

**Board of Trustees Regular Meeting  
Tuesday, November 19, 2019 6:00 PM  
District Office, Board Room, 3801 Market Street,  
Riverside CA 92501**

**ORDER OF BUSINESS****Pledge of Allegiance**

Anyone who wishes to make a presentation to the Board on an agenda item is requested to please fill out a "REQUEST TO ADDRESS THE BOARD OF TRUSTEES" card, available from the Public Affairs Officer. However, the Board Chairperson will invite comments on specific agenda items during the meeting before final votes are taken. Please make sure that the Secretary of the Board has the correct spelling of your name and address to maintain proper records. Comments should be limited to five (5) minutes or less. (This time limit will be doubled for members of the public utilizing a translator to ensure the non-English speaker receives the same opportunity to directly address the Board, unless simultaneous translation equipment is used.)

Anyone who requires a disability-related modification or accommodation in order to participate in any meeting should contact the Chancellor's Office at (951) 222-8801 and speak to an Executive Administrative Assistant as far in advance of the meeting as possible.

Any public records relating to an open session agenda item that is distributed within 72 hours prior to the meeting is available for public inspection at the Riverside Community College District Chancellor's Office, 3rd Floor, 3801 Market Street, Riverside, California, 92501 or online at [www.rccd.edu/administration/board](http://www.rccd.edu/administration/board).

**I. COMMENTS FROM THE PUBLIC**

*Board invites comments from the public regarding any matters within the jurisdiction of the Board of Trustees. Pursuant to the Ralph M. Brown Act, the Board cannot address or respond to comments made under Public Comment.*

**II. APPROVAL OF MINUTES**

**II.A. [Minutes of the Board of Trustees Regular/Committee Meeting of October 1, 2019](#)  
*Recommend approving the October 1, 2019 Board of Trustees Regular/Committee meeting minutes as prepared.*  
[10012019 Minutes](#)**

**II.B. [Minutes of the Board of Trustees Regular Meeting of October 15, 2019](#)  
*Recommend approving the October 15, 2019 Board of Trustees Regular meeting minutes as prepared.*  
[10152019 Minutes](#)**

III. PUBLIC HEARING

IV. CHANCELLOR'S REPORTS

IV.A. [Chancellor Communications](#)  
*Information Only*

IV.B. [Resolution No. 30-19/20: Resolution of the Board of Trustees of the Riverside Community College District Ordering an Election, and Specifications of the Election Order](#)  
*Recommend approving Resolution No. 30-19/20 authorizing a bond election for March 3, 2020.*  
[11192019 Resolution No. 30-19/20 - Order an Election for March 3, 2020](#)  
[11192019 Tax Rate Statement](#)

IV.C. [Five to Thrive Presentation - "MUSE," the Annual Literary Journal of Riverside City College](#)  
*Information Only*  
[Five to Thrive RCCD Board presentation 2019](#)

IV.D. [Healthcare Update](#)  
*Information Only*

IV.E. [Future Monthly Committee Agenda Planner and Annual Master Planning Calendar](#)  
*Information Only*  
[11192019 Planning Calendar](#)

V. STUDENT REPORT

V.A. [Student Report](#)  
*Information Only*  
[Moreno Valley College Report](#)  
[Norco College Report](#)  
[Riverside City College Report](#)

VI. CONSENT AGENDA ACTION

VI.A. [Academic Personnel](#)  
*Recommend approving/ratifying the academic personnel actions.*  
[20191119 Academic Personnel](#)



- VI.B. [Classified Personnel](#)  
*Recommend approving/ratifying the classified personnel actions.*  
[20191119 Classified Personnel](#)
  
- VI.C. [Other Personnel](#)  
*Recommend approving/ratifying the other personnel actions.*  
[20191119 Other Personnel](#)  
[20191119 Other Personnel-Backup](#)
  
- VI.D. [Purchase Order and Warrant Report - All District Resources](#)  
*Recommend approving/ratifying the Purchase Orders and Purchase Order Additions totaling \$5,470,316, and District Warrant Claims totaling \$13,802,813.*  
[11192019 Purchase Order and Warrant Report](#)
  
- VI.E. [Budget Adjustments](#)  
*Recommend approving the budget transfers as presented.*  
[11192019 Budget Adjustments](#)
  
- VI.F. [Resolution to Amend Budget](#)  
[Resolution No. 18-19/20 2019-20 Strong Workforce Program](#)  
*Recommend adding the revenue and expenditures of \$19,430 to the budget.*  
[11192019 Resolution No. 18-19/20](#)  
[11192019 Resolution No. 18-19/20 Income and Expenditures](#)
  
- VI.G. [Resolution to Amend Budget](#)  
[Resolution No. 19-19/20 – 2019-2020 STEM En Familia](#)  
*Recommend adding the revenue and expenditures of \$198,690 to the budget.*  
[11192019 Resolution No. 19-19/20](#)  
[11192019 Resolution No. 19-19/20 Income and Expenditures](#)
  
- VI.H. [Resolution to Amend Budget](#)  
[Resolution No. 20-19/20 – 2019-2020 Upward Bound TRIO- Patriot HS Grant](#)  
*Recommend adding the revenue and expenditures of \$30,037 to the budget.*  
[11192019 Resolution No. 20-19/20](#)  
[11192019 Resolution No. 20-19/20 Income and Expenditures](#)
  
- VI.I. [Resolution to Amend Budget](#)  
[Resolution No. 21-19/20 – 2019-2020 Upward Bound TRIO- Jurupa Valley Grant](#)

*Recommend adding the revenue and expenditures of \$31,538 to the budget.*  
11192019 Resolution No. 21-19/20  
11192019 Resolution No. 21-19/20 Income and Expenditures

VI.J. Resolution to Amend Budget  
Resolution No. 22-19/20 – 2019-2020 Student Support Services Trio Grant  
*Recommend adding the revenue and expenditures of \$21,815 to the budget.*  
11192019 Resolution No. 22-19/20  
11192019 Resolution No. 22-19/20 Income and Expenditures

VI.K. Resolution to Amend Budget  
Resolution No. 23-19/20 – 2019-2020 Student Support Services Rise Grant  
*Recommend adding the revenue and expenditures of \$20,767 to the budget.*  
11192019 Resolution No. 23-19/20  
11192019 Resolution No. 23-19/20 Income and Expenditures

VI.L. Resolution to Amend Budget  
Resolution No. 24-19/20 – 2019-2020 PACES: Pathways to Access, Completion, Equity and Success Grant  
*Recommend adding the revenue and expenditures of \$535,449 to the budget.*  
11192019 Resolution No. 24-19/20  
11192019 Resolution No. 24-19/20 Income and Expenditures

VI.M. Resolution to Amend Budget  
Resolution No. 25-19/20 - 2019-2020 Childcare Access Means Parents in School (CCAMPIS) Grant  
*Recommend adding the revenue and expenditures of \$53,247 to the budget.*  
11192019 Resolution No. 25-19/20  
11192019 Resolution No. 25-19/20 Income and Expenditures

VI.N. Resolution to Amend Budget  
Resolution No. 26-19/20 - 2019-2020 TRIO Talent Search Grant  
*Recommend adding the revenue and expenditures of \$40,000 to the budget.*  
11192019 Resolution No. 26-19/20  
11192019 Resolution No. 26-19/20 Income and Expenditures

VI.O. Resolution to Amend Budget  
Resolution No. 27-19/20 – 2019-2020 Basic Skills Grant  
*Recommend adding the revenue and expenditures of \$15,665 to the budget.*  
11192019 Resolution No. 27-19/20  
11192019 Resolution No. 27-19/20 Income and Expenditures

- VI.P. [Resolution to Amend Budget](#)  
[Resolution No. 28-19/20 - 2019-2020 Spruce Street Capital Fund](#)  
*Recommend adding the revenue and expenditures of \$2,690,000 to the budget.*  
[11192019 Resolution No. 28-19/20](#)  
[11192019 Resolution No. 28-19/20 Income and Expenditures](#)
- VI.Q. [Bid Award](#)  
[Bid Award for Norco College Parking Lot A – Repair & Seal](#)  
*Recommend awarding Bid No. 14-19/20-04-BC32, Norco College Parking Lot A – Repair & Seal project, in the total amount of \$98,888 to NPG, Inc.*  
[11192019 Bidders Summary](#)
- VI.R. [Bid Award](#)  
[Purchase of Scientific Equipment Utilizing the Foundation for California Community Colleges \(FCCC\) Contract Number CB-220-17](#)  
*Recommend approving the purchase of scientific equipment from Fisher Scientific, utilizing FCCC Contract Number CB-220-17.*
- VI.S. [Grants, Contracts and Agreements](#)  
[Contracts and Agreements Report Less Than \\$92,600 - All District Resources](#)  
*Recommend ratifying contracts totaling \$750,254 for the period of October 1, 2019 through October 31, 2019.*  
[11192019 Contracts and Agreements Less than \\$92,600](#)
- VI.T. [Out-of-State Travel](#)  
*Recommend approving out-of-state travel.*  
[11192019 Out-of-State Travel](#)
- VI.U. [Other Items](#)  
[MVC Student Services Welcome Center CEQA Initial Study and Mitigated Negative Declaration](#)  
*Recommend approving the Initial Study and Mitigated Negative Declaration (IS/MND), Mitigation Monitoring and Reporting Program (MMRP), for the Moreno Valley College Student Services Welcome Center Project.*  
[11192019 MVC Welcome Center Project Final ISMND](#)
- VI.V. [Other Items](#)  
[Destruction of Records](#)  
*Recommend approving the destruction of the records on the attached listing.*

[11192019 Destruction of Records](#)

VI.W. [Other Items](#)

[Signature Authorization](#)

*Recommend authorizing John Garaghty, Controller, to sign vendor warrant orders, salary payment orders, notices of employment, bank checks, investment and brokerage accounts, purchase orders, change orders, and grant documents.*

[11192019 Certification of Signatures](#)

VI.X. [Other Items](#)

[Surplus Property](#)

*Recommend by unanimous vote declaring the property on the attached list to be surplus; find the property does not exceed the total value of \$5,000; and authorize the property to be consigned to The Liquidation Company to be sold on behalf of the District.*

[11192019 Surplus Property List](#)

VII. CONSENT AGENDA INFORMATION

VII.A. [Capital Program Executive Summary Report as of October 31, 2019](#)

*Information Only*

[11192019 CPES Report](#)

VII.B. [Monthly Financial Report for Month Ending – October 31, 2019](#)

*Information Only*

[11192019 Financial Report for July 2019 - October 2019](#)

VII.C. [CCFS-311Q – Quarterly Financial Status Report for the 1st Quarter Ended September 30, 2019](#)

*Information Only*

[11192019 CCFS-311Q First Quarter Financial Status Report](#)

VIII. BOARD COMMITTEE REPORTS

VIII.A. [Teaching and Learning](#)

[Proposed Curricular Changes](#)

*Recommend approving the proposed curricular changes for inclusion in the college catalogs and in the schedule of class offerings.*

[Proposed Curricular Changes 100119](#)

[Proposed Curricular Changes 101519](#)

VIII.B. [Teaching and Learning  
Proposed Academic Calendar 2021-2022](#)  
*Recommend approving the proposed academic calendar for 2021-2022*  
[2021-2022 Academic Calendar](#)

IX. ADMINISTRATIVE REPORTS

IX.A. [Vice Chancellor](#)

IX.B. [Presidents](#)

X. ACADEMIC SENATE REPORTS

X.A. [Moreno Valley College](#)

X.B. [Norco College](#)

X.C. [Riverside City College/Riverside Community College District](#)

XI. BARGAINING UNIT REPORTS

XI.A. [CTA - California Teachers Association](#)

XI.B. [CSEA - California School Employees Association](#)

XII. BUSINESS FROM BOARD MEMBERS

XII.A. [Update from Members of the Board of Trustees on Business of the Board](#)  
*Information Only*

XIII. CLOSED SESSION

XIII.A. [Conference with Legal Counsel - Anticipated Litigation - Significant Exposure to Litigation Pursuant to Government Code Section 54956.9\(d\)\(2\)  
One Potential Case \(Claim Filed October 29, 2019\)](#)  
*To Be Determined*

XIV. ADJOURNMENT

## Board of Trustees Regular Meeting (II.A)

Meeting	November 19, 2019
Agenda Item	Minutes (II.A)
Subject	Minutes of the Board of Trustees Regular/Committee Meeting of October 1, 2019
College/District	District
Funding	N/A
Recommended Action	Recommend approving the October 1, 2019 Board of Trustees Regular/Committee meeting minutes as prepared.

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### Background Narrative:

Recommend approving the October 1, 2019 Board of Trustees Regular/Committee meeting minutes as prepared.

Prepared By: Wolde-Ab Isaac, Chancellor

MINUTES OF THE BOARD OF TRUSTEES REGULAR  
AND COMMITTEE MEETINGS OF THE GOVERNANCE,  
TEACHING AND LEARNING, PLANNING AND OPERATIONS,  
RESOURCES AND FACILITIES COMMITTEES  
OF OCTOBER 1, 2019

President Vackar called the Board of Trustees meeting to order at 6:00 p.m. in the District Office, Board Room, 3801 Market Street, Riverside, California CALL TO ORDER

Trustees Present

Tracey Vackar, President  
Mary Figueroa, Vice President  
Bill Hedrick, Secretary  
Jose Alcala, Member  
Virginia Blumenthal, Member  
Jorge Zavala, Student Trustee

Staff Present

Dr. Wolde-Ab Isaac, Chancellor  
Mr. Aaron Brown, Vice Chancellor, Business and Financial Services  
Dr. Susan Mills, Vice Chancellor, Educational Services and Strategic Planning  
Dr. Terri Hampton, Vice Chancellor, Human Resources and Employee Relations  
Ms. Rebecca Goldware, Vice Chancellor, Institutional Advancement and Economic Development  
Dr. Robin Steinback, President, Moreno Valley College  
Dr. Monica Green, Interim President, Norco College  
Dr. Gregory Anderson, President, Riverside City College

Guests Present

Dr. Jose Leyba, Facilitator, Association of Community College Trustees (ACCT)

Student Trustee Zavala led the Pledge of Allegiance. PLEDGE OF ALLEGIANCE

Michael Simmons spoke on the hiring process for the Chief of Police. PUBLIC COMMENTS

CHANCELLOR'S REPORT

Dr. Leyba shared the results of the Board of Trustees Annual Self Evaluation. Discussion followed. Annual Self Evaluation for Board of Trustees

The Committee Chair Virginia Blumenthal convened the meeting at 6:19 p.m. Committee members in attendance: Academic Senate Representatives: Ms. Jennifer Floerke, Moreno Valley College, Dr. Quinton Bemiller, Norco College and Dr. Mark Sellick, Riverside City College/RCCD; CTA Representative: Mr. Peter Boelman, Norco College; CSEA Representative: Mr. Gustavo Segura; and Management Association Representative: Ms. Terry Welker. GOVERNANCE COMMITTEE



Ms. Goldware led the committee review of Resolution No. 08-19/20 declaring October 14-18, 2019, and every third week of October thereafter, as Undocumented Student Action Week that will be presented to the Board for approval at the October 15 regular meeting. Discussion followed.

Resolution No. 08-19/20 In Support of Declaring October 14-18, 2019, and Every Third Week of October Thereafter, as Undocumented Student Action Week

The committee adjourned the meeting at 6:21 p.m.

Adjourned

The Committee Chair Tracey Vackar convened the meeting at 6:21 p.m. Committee members in attendance: Academic Senate Representatives: Ms. Jennifer Floerke, Moreno Valley College, Dr. Quinton Bemiller, Norco College and Dr. Mark Sellick, Riverside City College/RCCD; CTA Representative: Mr. Peter Boelman, Norco College; CSEA Representative: Mr. Gustavo Segura; and Management Association Representative: Ms. Terry Welker.

TEACHING AND LEARNING COMMITTEE

Dr. Mills led the committee review of the 2019-2024 District Strategic Plan that will be presented to the Board for approval at the October 15 regular meeting. Discussion followed.

District Strategic Plan

Dr. Mills led the committee review of the proposed curricular changes for inclusion in the college catalogs and in the schedule of class offerings that will be presented to the Board for approval at the October 15 regular meeting. Discussion followed.

Proposed Curricular Changes

Dr. Mills led the committee review of the proposed academic calendars for 2020-2021 and 2021-2022 that will be presented to the Board for approval at the October 15 regular meeting. Discussion followed.

Proposed Academic Calendar(s) 2020-2021 and 2021-2022

The committee adjourned the meeting at 6:50 p.m.

Adjourned

The Committee Chair Jose Alcala convened the meeting at 6:50 p.m. Committee members in attendance: Academic Senate Representatives: Ms. Jennifer Floerke, Moreno Valley College, Dr. Quinton Bemiller, Norco College and Dr. Mark Sellick, Riverside City College/RCCD; CTA Representative: Mr. Peter Boelman, Norco College; CSEA Representative: Mr. Gustavo Segura; and Management Association Representative: Ms. Terry Welker.

RESOURCES COMMITTEE

Dr. Hampton presented a report to the committee on the current Classified Classification and Compensation Study. Discussion followed. This item will be brought back at a future meeting under Closed Session.

Presentation on Classified Classification and Compensation Study

The committee adjourned the meeting at 7:15 p.m.

Adjourned

The Board adjourned the meeting at 7:16 p.m.

ADJOURNMENT

Official Minutes

Approved on 11/19/19

Certified By: \_\_\_\_\_

## Board of Trustees Regular Meeting (II.B)

Meeting	November 19, 2019
Agenda Item	Minutes (II.B)
Subject	Minutes of the Board of Trustees Regular Meeting of October 15, 2019
College/District	District
Funding	N/A
Recommended Action	Recommend approving the October 15, 2019 Board of Trustees Regular meeting minutes as prepared.

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### Background Narrative:

Recommend approving the October 15, 2019 Board of Trustees Regular meeting minutes as prepared.

Prepared By: Wolde-Ab Isaac, Chancellor

MINUTES OF THE REGULAR BOARD OF TRUSTEES MEETING  
OF OCTOBER 15, 2019

President Vackar called the Board of Trustees meeting to CALL TO ORDER  
order at 6:00 p.m. in the District Office, Board Room,  
3801 Market Street, Riverside, California.

Trustees Present

Tracey Vackar, President  
Mary Figueroa, Vice President  
Bill Hedrick, Secretary  
Jose Alcala, Board Member  
Virginia Blumenthal, Board Member  
Jorge Zavala, Student Trustee

Staff Present

Dr. Wolde-Ab Isaac, Chancellor  
Mr. Aaron Brown, Vice Chancellor, Business and Financial Services  
Dr. Susan Mills, Vice Chancellor, Educational Services and Strategic Planning  
Ms. Rebeccah Goldware, Vice Chancellor, Institutional Advancement and Economic  
Development  
Dr. Terri Hampton, Vice Chancellor, Human Resources and Employee Relations  
Dr. Robin Steinback, President, Moreno Valley College  
Dr. Monica Green, Interim President, Norco College  
Dr. Gregory Anderson, President, Riverside City College  
Ms. Jennifer Floerke, Academic Senate Representative, Moreno Valley College  
Dr. Quinton Bemiller, Academic Senate Representative, Norco College  
Dr. Mark Sellick, Academic Senate Representative, Riverside City College/RCCD

Guests Present

Mr. Albert Jimenez, Director, Learning Resource Center, Norco College  
Ms. Arezoo Marashi, Supplemental Instruction Coordinator, Norco College  
Mr. Daren Koch, Tutorial Services Technician, Norco College  
Ms. Jorine Campbell, Account Manager, Keenan and Associates  
Dr. Rhonda Taube, President, California Teachers Association (CTA)

Student Trustee Zavala led the Pledge of  
Allegiance.

PLEDGE OF ALLEGIANCE

Lisa Dryan-Zagala spoke on the need for services  
and assistance for people with intellectual delays.

PUBLIC COMMENTS

Ann Pfeifle made comments on the Press  
Enterprise news story regarding the release of a  
Moreno Valley College faculty member.

Figueroa/Blumenthal moved that the Board  
of Trustees approve the minutes of the  
Board of Trustees Regular/Committee  
Meeting of September 3, 2019. Motion  
carried. (5 ayes)

MINUTES OF THE BOARD OF  
TRUSTEES REGULAR/COMMITTEE  
MEETING OF SEPTEMBER 3, 2019

Figuroa/Hedrick moved that the Board of Trustees approve the minutes of the Board of Trustees Special Meeting of September 12, 2019. Motion carried. (5 ayes)

MINUTES OF THE BOARD OF TRUSTEES SPECIAL MEETING OF SEPTEMBER 12, 2019

Blumenthal/Figuroa moved that the Board of Trustees approve the minutes of the Board of Trustees Regular Meeting of September 17, 2019. Motion carried. (5 ayes)

MINUTES OF THE BOARD OF TRUSTEES REGULAR MEETING OF SEPTEMBER 17, 2019

Figuroa/Alcala moved that the Board of Trustees approve the minutes of the Board of Trustees Special Meeting of September 24, 2019. Motion carried. (5 ayes)

MINUTES OF THE BOARD OF TRUSTEES SPECIAL MEETING OF SEPTEMBER 24, 2019

CHANCELLOR'S REPORTS

Chancellor Isaac recognized the following faculty who were granted the Rank of Emeritus: Dr. Ellen Lipkin, Microbiology; Dr. Kathleen Saxon, Mathematics; Dr. Ingrid Wicken, Kinesiology; Dr. David Nelson, Theater Arts; and Dr. Susan St. Peters, English.

Presentation of Rank of Emeritus for 2019-2020

Mr. Jimenez, Ms. Marashi and Mr. Koch presented on the Learning Resource Center at Norco College.

Presentation on the Learning Resource Center at Norco College

Dr. Bemiller shared on the recent Art of Women Leadership Conference held at Norco College.

Five to Thrive Presentation on The Art of Women Leadership Conference at Norco College

Ms. Campbell provided a healthcare update and reported there are currently two open cases.

Healthcare Update

The Board of Trustees received information on documents used to monitor and review upcoming action items, information items, and presentations, as well as planning for the monthly Committee and Board meetings.

Future Monthly Committee Agenda Planner and Annual Master Planning Calendar

Student Trustee Zavala presented a report about recent and future student activities at Moreno Valley, Norco, and Riverside City colleges and Riverside Community College District events.

STUDENT REPORT

CONSENT ITEMS

Action

Figuroa/Blumenthal moved that the Board of Trustees:

Approve/ratify the listed academic appointments, separations, and assignment and salary adjustments;	Academic Personnel
Approve/ratify the listed classified appointments, separations, and assignment and salary adjustments;	Classified Personnel
Approve/ratify the listed other personnel appointments, and assignment and salary adjustments;	Other Personnel
Approve/ratify the Purchase Orders and Purchase Order Additions totaling \$4,660,837 and District Warrant Claims totaling \$6,151,792;	Purchase Order and Warrant Report – All District Resources
Approve the budget transfers as presented;	Budget Adjustments
Approve adding the revenue and expenditures of \$88,405 to the budget;	Resolution No. 07-19/20 – 2019-2020 TANF and CalWORKs Program
Approve adding the revenue and expenditures of \$327,601 to the budget;	Resolution No. 09-19/20 – 2019-2020 GO-Biz Grant
Approve adding the revenue and expenditures of \$102,000 to the budget;	Resolution No. 10-19/20 – 2019-2020 Garrett Lee Smith Suicide Prevention Program
Approve adding the revenue and expenditures of \$25,891 to the budget;	Resolution No. 11-19/20 – 2019-2020 National Institutes of Health
Approve adding the revenue and expenditures of \$62,354 to the budget;	Resolution No. 12-19/20 – 2019-2020 Song-Brown Health Care Workforce Training
Approve adding the revenue and expenditures of \$1,000,000 to the budget;	Resolution No. 13-19/20 – 2019-2020 CCAP STEM Pathways Academy Grant
Approve adding the revenue and expenditures of \$33,032 to the budget;	Resolution No. 15-19/20 – 2019-2020 Student Support Services Program
Approve adding the revenue and expenditures of \$33,032 to the budget;	Resolution No. 16-19/20 – 2019-2020 Disabled Student Support Services Program

Approve adding the revenue and expenditures of \$33,032 to the budget;

Resolution No. 17-19/20 – 2019-2020 Veterans Student Support Services Program

Ratify contracts totaling \$499,026 for the period of September 1, 2019 through September 30, 2019;

Contracts and Agreements Report Less than \$92,600 – All District Resources

Approve the sub-award agreement with the Regents of the University of California, Riverside for the National Science Foundation Stem en Familia Grant;

National Science Foundation Stem en Familia Grant – Sub Award

Approve out-of-state travel;

Out-of-State Travel

Declare the property on the attached list to be surplus; find the property does not exceed the total value of \$5,000; and authorize the property to be consigned to The Liquidation Company to be sold on behalf of the District;

Surplus Property

Motion carried. (5 ayes)

#### Information

The Board received the 2018-2019 CCFS-311 Annual Financial and Budget Report.

2018-2019 CCFS-311 – Annual Financial and Budget Report

The Board received the Capital Program Executive Summary Report as of September 30, 2019.

Capital Program Executive Summary Report as of September 30, 2019

#### BOARD COMMITTEE REPORTS

##### Governance

Blumenthal/Hedrick moved that the Board of Trustees approve Resolution No. 08-19/20 In Support of Declaring October 14-18, 2019, and every third week of October thereafter, as Undocumented Student Action Week. Motion carried. (5 ayes)

Resolution No. 08-19/20 In Support of Declaring October 14-18, 2019, and Every Third Week of October Thereafter, as Undocumented Student Action Week

##### Teaching and Learning

Vackar/Figueroa moved that the Board of Trustees approve the proposed curricular changes for inclusion in the college catalogs and schedule of class offerings. Motion carried. (5 ayes)

Proposed Curricular Changes

Figueroa/Alcala moved that the Board of Trustees approve the proposed academic calendar for 2020-2021.  
Motion carried  
(5 ayes)

Proposed Academic Calendar 2020-2021

Vackar/Figueroa moved that the Board of Trustees approve the District Strategic Plan for 2019-2024. Motion carried. (5 ayes)

District Strategic Plan

#### ADMINISTRATIVE REPORTS

Dr. Steinback, President, Moreno Valley College, Dr. Green, Interim President, Norco College, and Dr. Anderson, President, Riverside City College updated the Board on upcoming events and activities occurring at their colleges.

Presidents

#### ACADEMIC SENATE REPORTS

Ms. Floerke presented the report on behalf of Moreno Valley College.

Moreno Valley College

Dr. Bemiller presented the report on behalf of Norco College.

Norco College

Dr. Sellick presented the report on behalf of Riverside City College and Riverside Community College District Senate.

Riverside City College/Riverside Community College District

#### BARGAINING UNIT REPORTS

Dr. Taube presented the report on behalf of the CTA.

CTA – California Teachers Association

#### BUSINESS FROM BOARD MEMBERS

Trustee Blumenthal commented on the events she attended last month.

Update from Members of the Board of Trustees on Business of the Board

Trustee Figueroa commented on the efforts involved in the use of the Stokoe Building for the Norco College Child Care Center; the importance of Halloween Town at RCC; Eastside Think Tank; and the high death rate of Native American women nationwide and requested a joint meeting with Sherman Indian High School.

Trustee Hedrick shared the events he attended last month; questioned the upcoming bond possibility becoming a green bond; impressed with the



newspaper insert and recent mailings; comments made regarding the academic calendar and the support of the Chancellor and Norco College faculty and programs.

Trustee Alcalá shared the events he attended last month.

Trustee Vackar thanked faculty and staff for the conferences and workshops they provide.

The Board adjourned to closed session at 8:16 p.m. and reconvened at 9:59 p.m. after considering the following closed session items:

CLOSED SESSION

No reportable action.

Conference with Legal Counsel – Existing Litigation  
Paragraph (1) of Subdivision(d) of Government Code 54596.9  
Name of Case: Riverside Community College District vs. Marcia L. Campbell, CPA, et al.  
Case No: RIC1905026

No reportable action.

Conference with Labor Negotiators  
Gov. Code Section 54957.6  
Agency Designated Representative: Chief Negotiator – Terri L. Hampton, D.P.A.  
Employee Organization: California School Employees’ Association, Chapter 535

The Board adjourned the meeting at 10:00 p.m.

ADJOURNMENT

Official Minutes  
Approved on 11/19/19

Certified By: \_\_\_\_\_

## Board of Trustees Regular Meeting (IV.A)

Meeting	November 19, 2019
Agenda Item	Other Items (IV.A)
Subject	Chancellor Communications
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

Chancellor will share general information to the Board of Trustees, including federal, state and local interests and District information.

Prepared By: Wolde-Ab Isaac, Chancellor

## Board of Trustees Regular Meeting (IV.B)

Meeting	November 19, 2019
Agenda Item	Other Items (IV.B)
Subject	Resolution No. 30-19/20: Resolution of the Board of Trustees of the Riverside Community College District Ordering an Election, and Specifications of the Election Order
College/District	District
Funding	N/A
Recommended Action	Recommend approving Resolution No. 30-19/20 authorizing a bond election for March 3, 2020.

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### Background Narrative:

The resolution before the Board calls an election within the District on March 3, 2020 for the purpose of approving general obligation bonds, requests that the Riverside County Registrar of Voters conduct the election on behalf of the District, and authorizes the preparation of election materials, including ballot arguments and tax rate statement, to be included in the ballot pamphlet.

State law requires the Board of Trustees to order community college district bond elections. The Registrar of Voters will conduct the election on behalf of the District, including publishing all required notices. This resolution meets the statutory requirements for describing the projects to be funded with the proceeds of the bonds, which are included as Exhibit B to the resolution. A 75-word summary of the measure, as it will appear on the ballot, is also included in the resolution as Exhibit A. The resolution also authorizes the preparation and filing of a tax rate statement, which must be included in the ballot pamphlet and describes the anticipated rates of tax throughout the life of the bond issue. It is attached for the Board's information. The resolution also authorizes, but does not commit, the Board and/or individual members of the Board to prepare and sponsor a ballot argument in support of the bond measure. No more than five (5) persons may sign the ballot argument.

This election will be called under constitutional and statutory provisions that require fifty-five percent (55%) voter approval, and certain accountability requirements, including annual independent financial and performance audits of how funds are spent, and the formation of a Citizens' Bond Oversight Committee. Following adoption, the resolution (including the signed tax rate statement) must be delivered to the Registrar of Voters and the Board of Supervisors. State law requires that 2/3rd of a school board support the resolution calling an election requiring 55% voter approval. At least four (4) Board members must vote "Yes" in order to call the election.

Prepared By: Wolde-Ab Isaac, Chancellor

**RESOLUTION NO. 30-19/20**

**RESOLUTION OF THE BOARD OF TRUSTEES OF  
RIVERSIDE COMMUNITY COLLEGE DISTRICT  
ORDERING AN ELECTION, AND ESTABLISHING SPECIFICATIONS  
OF THE ELECTION ORDER**

**WHEREAS**, the Board of Trustees (the “Board”) of the Riverside Community College District (the “District”) has determined that certain educational facilities need to be constructed, renovated, acquired and equipped, in a fiscally prudent manner, to enable the District to maintain each of Moreno Valley College, Norco College, and Riverside City College as valuable community resources that provide an **affordable education** to local students who desire to learn **job skills** and **transfer** to four-year universities; and

**WHEREAS**, since the costs of attending California’s public universities have risen to at least five times that of attending a community college, more local lower and middle income families and students rely on their local community colleges to provide an affordable, high-quality education in Riverside County; and

**WHEREAS**, nearly 40% of all local high school graduates rely on Moreno Valley College, Norco College, and Riverside City College for higher education and career preparation, the District needs to repair and upgrade its colleges so they can continue to serve the community well for decades to come; and

**WHEREAS**, since the District provides job training and counseling to over 1,800 military Veterans every day, each of Moreno Valley College, Norco College, and Riverside City College must expand and improve their Veteran’s centers to support military veterans and their families; and

**WHEREAS**, Moreno Valley College, Norco College, and Riverside City College must increase opportunities for local students to earn college credits, certifications and job skills at a reasonable price and transfer to four-year universities as the standards rise for what it takes to compete for good-paying jobs in our changing economy; and

**WHEREAS**, Moreno Valley College, Norco College, and Riverside City College are vital community and economic resources that educate the healthcare professionals that serve our medical needs, the law enforcement officers and the firefighters that keep us safe, and the skilled workers that fuel our economy; and

**WHEREAS**, because of our changing economy our classrooms and labs must be upgraded to provide students with up-to-date skills and modern technology that will allow for needed programs to keep our local economy strong and stimulate job creation; and

**WHEREAS**, upgrading facilities to meet current standards requires the repair or replacement of leaky roofs, old plumbing and faculty electrical systems; and

**WHEREAS**, Moreno Valley College, Norco College, and Riverside City College must continue to provide their students with access to a well-rounded education by continuing to offer the broad science, technology, arts, math, computer science and vocational opportunities students need to be prepared for four-year universities and careers; and

**WHEREAS**, Moreno Valley College, Norco College, and Riverside City College must expand their online education programs, which have course offerings not available on campus and

which allow students to continue their studies even when they have hectic work schedules that keep them from campus; and

**WHEREAS**, the State does not provide the District with enough money for the District to adequately maintain Moreno Valley College's, Norco College's, and Riverside City College's educational facilities and academic programs; and

**WHEREAS**, the Board has received information regarding the feasibility of a local bond measure and the District's bonding capacity; and

**WHEREAS**, a local measure will provide funds that cannot be taken away by the State to support local job training and facilitate transfer to four-year universities; and

**WHEREAS**, a local measure will update college facilities to prepare students for jobs in healthcare, law enforcement, firefighting, and first-response emergency medical care; and

**WHEREAS**, a local measure would allow the District to upgrade campus security to keep students safe by installing security cameras, lighting, and up-to-date security equipment, including security and emergency communication systems; and

**WHEREAS**, such a local measure will include mandatory taxpayer protections, including an independent citizens' oversight of all funds and mandatory annual financial audits to ensure funds are spent only as authorized; and

**WHEREAS**, the Board and District has solicited stakeholder and community input on priorities from students, faculty, staff, business and civic leaders, and the community; and

**WHEREAS**, in the judgment of the Board, it is advisable to provide additional funding for job training and workforce preparation for students and veterans of all ages and local residents and to improve facilities for course opportunities in technical vocational careers, by means of a general obligation bond issued in a financially prudent manner; and

**WHEREAS**, on November 7, 2000, the voters of California approved the Smaller Classes, Safer Schools and Financial Accountability Act ("Proposition 39") which reduced the voter threshold for *ad valorem* tax levies used to pay for debt service or bonded indebtedness to 55% of the votes cast on a community college district general obligation bond; and

**WHEREAS**, concurrent with the passage of Proposition 39, Chapter 1.5, Part 10, Division 1, Title 1 (commencing with Section 15264) of the Education Code (the "Act") became operative and established requirements associated with the implementation of Proposition 39; and

**WHEREAS**, the Board desires to make certain findings herein to be applicable to this election order and to establish certain performance audits, standards of financial accountability and citizen oversight which are contained in Proposition 39 and the Act; and

**WHEREAS**, the Board determines that, in accordance with Opinion No. 04-110 of the Attorney General of the State of California, the restrictions in Proposition 39, which prohibit any bond money to be used for administrator salaries and other operating expenses of the District shall be strictly monitored by the District's Citizens' Oversight Committee; and

**WHEREAS**, pursuant to Education Code Section 15270, based upon a projection of assessed property valuation, the Board has determined that, if approved by voters, the tax rate levied to meet

the debt service requirements of the bonds proposed to be issued will not exceed the Proposition 39 limits per year per \$100,000 of assessed valuation of taxable property; and

**WHEREAS**, Elections Code Section 9400 *et seq.* of the Elections Code requires that a tax rate statement be contained in all official materials, including any ballot pamphlet prepared, sponsored or distributed by the District, relating to the election; and

**WHEREAS**, the Board now desires to authorize the filing of a tax rate statement and ballot argument in favor of the proposition to be submitted to the voters at the election; and

**WHEREAS**, pursuant to the Elections Code, it is appropriate for the Board to request consolidation of the election with any and all other elections to be held on March 3, 2020, and to request the Riverside County Registrar of Voters to perform certain election services for the District; and

**WHEREAS**, in the judgment of the Board, it is advisable to request the Riverside County Registrar of Voters to call an election pursuant to Proposition 39 on the question of whether general obligation bonds shall be issued and sold on behalf of the District for purposes set forth below.

**NOW THEREFORE, THE BOARD OF TRUSTEES OF RIVERSIDE COMMUNITY COLLEGE DISTRICT DOES HEREBY RESOLVE, DETERMINE AND ORDER AS FOLLOWS:**

Section 1. That the Board, pursuant to Education Code Sections 15100 *et seq.*, Sections 15264 *et seq.* and Government Code Section 53506, hereby requests the Riverside County Registrar of Voters to call an election under the provisions of Proposition 39 and the Act and submit to the electors of the District the question of whether bonds of the District in the aggregate principal amount of \$715,000,000 (the “Bonds”) shall be issued and sold to raise money for the purposes described in Exhibits “A” and “B” hereto. Both exhibits are directed to be printed in the voter sample ballot pamphlet. The District’s Chancellor, or the Chancellor’s designee, is hereby authorized and directed to make any changes to the text of the measure, or to the abbreviated form of the measure, as may be convenient or necessary to comply with the intent of this Resolution, the requirements of election officials, and requirements of law.

Section 2. That the date of the election shall be March 3, 2020.

Section 3. That the purpose of the election shall be for the voters in the District to vote on a proposition, a copy of which is attached hereto and marked Exhibit “A” and incorporated by reference herein, containing the question of whether the District shall issue the Bonds to pay for improvements to the extent permitted by such proposition. In compliance with Proposition 39 and the Act, the ballot proposition in Exhibit “A” is subject to the following requirements and determinations:

(a) that the proceeds of the sale of the bonds shall only be used for the purposes set forth in the ballot measure and not for any other purpose, including teacher, faculty and administrator salaries and other college operating expenses;

(b) that the Board, in compliance with Proposition 39, and in establishing the projects set forth in Exhibit “B”, evaluated, safety, university transfer, enrollment trends, class size reduction, class availability, information technology and the technical job training facilities of the District;

(c) that the Board will cause to be conducted an annual, independent performance audit to ensure that the Bond moneys get expended for the types of projects identified in Exhibits “A” and “B” hereto;

(d) that the Board will cause an annual, independent financial audit of the proceeds from the sale of Bonds to be conducted until all of the Bond proceeds have been expended and accounted for;

(e) that the Board will cause the appointment of a Citizens’ Oversight Committee in compliance with Education Code Section 15278 no later than 60 days after the Board enters the election results in its minutes pursuant to Education Code Section 15274. The Citizens’ Oversight Committee shall initially consist of at least seven (7) members and at no time consist of less than seven (7) members, with the possible exception of brief periods to fill any unexpected vacancies. The Citizens’ Oversight Committee may not include any employee or official of the District or any vendor, contractor or consultant of the District. The Citizens’ Oversight Committee shall include all of the following: One (1) member who is active in a business organization representing the business community located within the District; One (1) member who is active in a senior citizens’ organization; One (1) member who is active in a bona fide taxpayer association; and shall have the responsibilities set forth in Education Code Section 15278 and in the Bylaws of the Citizens’ Oversight Committee as approved by the Board of Trustees. In furtherance of its specifically enumerated purposes, the Citizens’ Oversight Committee may engage in any of the following activities relating solely and exclusively to the expenditure of the Proposition 39 bond proceeds:

(i) Receive and review copies of the annual, independent financial and performance audits performed by independent consultant(s);

(ii) Inspect District facilities and grounds to ensure that Proposition 39 bond revenues are expended in compliance with applicable law;

(iii) Receive and review copies of all scheduled maintenance proposals or plans developed by the District;

(iv) Review efforts of the District to maximize Proposition 39 bond revenues by implementing cost-saving programs; and

(f) that the tax levy authorized to secure the bonds of this election shall not exceed the Proposition 39 limits per \$100,000 of taxable property in the District when assessed valuation is projected by the District to increase in accordance with Article XIII A of the California Constitution.

Section 4. That the authority for ordering the election is contained in Education Code Sections 15100 *et seq.*, 15340 *et seq.* and 15264 *et seq.* and Government Code Section 53506.

Section 5. That the authority for the specifications of this election order is contained in Education Code Section 5322. In connection with ordering the election pursuant to the abovementioned provisions, the District has obtained reasonable and informed projections of assessed property valuations that take into consideration projections of assessed valuations made by the Riverside County Assessor that are available to the District.

Section 6. That the Riverside County Registrar of Voters and the Riverside County Board of Supervisors are hereby requested to consolidate the election ordered hereby with any and all other elections to be held on March 3, 2020 within the District, and pursuant to Elections Code

Section 10403, the District acknowledges that the consolidation election will be held and conducted in the manner described in Election Code Section 10418.

Section 7. That this Resolution shall stand as the “order of election” to the Riverside County Registrar of Voters to call an election within the boundaries of the District on March 3, 2020.

Section 8. That the Secretary of the Board is hereby directed to send a certified copy of this Resolution to the Riverside County Registrar of Voters no later than December 6, 2019.

Section 9. That the bonds shall be issued pursuant to Education Code Section 15300 *et seq.* or issued pursuant to Government Code Section 53506. The maximum rate of interest on any bond shall not exceed the maximum rate allowed by Education Code Sections 15140 to 15143, as modified by Government Code Section 53531. The Board approves the filing of a Tax Rate Statement and primary and rebuttal arguments, as appropriate, and directs their publication in accordance with the requirements of the Elections Code.

Section 10. That the Board requests the governing body of any such other political subdivision, or any officer otherwise authorized by law, to partially or completely consolidate such election and to further provide that the canvass be made by any body or official authorized by law to canvass the returns of the election, and that the Board consents to such consolidation.

Section 11. Pursuant to Education Code Section 5303 and Elections Code Section 10002, the Riverside County Board of Supervisors is requested to permit its Registrar of Voters to render all services specified by Elections Code Section 10418, for which services the District agrees to reimburse Riverside County for such services to include the publication of a Formal Notice of School Bond Election and the mailing of the sample ballot and tax rate statement (described in Elections Code Section 9401) pursuant to the terms of Education Code Section 5363 and Elections Code Section 12112.

ADOPTED, SIGNED AND APPROVED this 19th day of November, 2019.

BOARD OF TRUSTEES OF THE RIVERSIDE  
COMMUNITY COLLEGE DISTRICT

By \_\_\_\_\_  
Board President

Attest:

\_\_\_\_\_  
Board Secretary



STATE OF CALIFORNIA  
RIVERSIDE COUNTY

I, \_\_\_\_\_, do hereby certify that the foregoing is a true and correct copy of Resolution No. \_\_\_\_\_ duly adopted by the Board of Trustees of the Riverside Community College District at a meeting thereof held on the 19th day of November, 2019 by the following vote:

AYES:

NOES:

ABSENT:

ABSTENTIONS:

By \_\_\_\_\_  
Board Secretary

EXHIBIT A

**“MORENO VALLEY/NORCO/RIVERSIDE CITY COLLEGES AFFORDABLE, QUALITY HIGHER EDUCATION, JOB CREATION, CLASSROOM REPAIR MEASURE.** To improve classrooms/access for students/Veterans to quality, affordable college education by repairing, constructing/acquiring classrooms, facilities, sites/equipment for science, engineering, technology, healthcare, college/career-training/skilled trades; shall Riverside Community College District’s measure authorizing \$715,000,000 in bonds at legal rates, levying 2¢/\$100 assessed valuation (\$42,000,000 annually) while bonds are outstanding, be approved, with citizen oversight/all money locally controlled?”

Bonds - Yes

Bonds – No

EXHIBIT B

FULL TEXT BALLOT PROPOSITION

**MORENO VALLEY COLLEGE, NORCO COLLEGE AND RIVERSIDE CITY COLLEGE  
AFFORDABLE, QUALITY HIGHER, EDUCATION, JOB CREATION, CAREER TRAINING  
AND CLASSROOM REPAIR MEASURE**

ELECTION MARCH 3, 2020

**“MORENO VALLEY/NORCO/RIVERSIDE CITY COLLEGES AFFORDABLE , QUALITY HIGHER EDUCATION, JOB CREATION, CLASSROOM REPAIR MEASURE.** To improve classrooms/access for students/Veterans to quality, affordable college education by repairing, constructing/acquiring classrooms, facilities, sites/equipment for science, engineering, technology, healthcare, college/career-training/skilled trades; shall Riverside Community College District’s measure authorizing \$715,000,000 in bonds at legal rates, levying 2¢/\$100 assessed valuation (\$42,000,000 annually) while bonds are outstanding, be approved, with citizen oversight/all money locally controlled?”

PROJECTS

The Board of Trustees of the Riverside Community College District, to be responsive to the needs of its community, evaluated Moreno Valley College’s, Norco College’s, and Riverside City College’s urgent and critical facility needs, and their capacity to provide students a well-rounded and **affordable education and job training** facilities, and prepare them for success in local jobs and in transferring to four-year universities. Job training and college transfer facilities, **safety** issues, class size and offerings, and information and computer technology were each considered in developing the types of projects to be funded by this measure. In developing the types of projects described herein, job training facilities, facilities supporting **college transfer** and career training classrooms, and the expansion of opportunities for **local students and Veterans** to receive an **affordable**, high-quality **education**, were **prioritized**. If these facility needs are not addressed now, each of Moreno Valley, Norco and Riverside City Colleges would be unable to remain competitive in preparing students for jobs in high demand industries and **transfer to four-year colleges and universities**.

The **Board of Trustees** determines that Riverside Community College District **must**:

- (i) **Maintain classrooms and student service centers by repairing or replacing leaky roofs, old rusty plumbing, and faulty electrical systems;**
- (ii) **Improve student safety and campus security systems, including security cameras, emergency communications systems, smoke detectors, and fire alarms;**
- (iii) **Expand and improve the Veterans Centers at all three campuses, which provide job training, job placement, counseling and support services to military Veterans and their families;**
- (iv) **Upgrade classrooms and labs to help local students complete the first two years of college affordably, and then transfer to the Cal State or UC systems;**
- (v) **Upgrade classrooms and career training facilities for science, technology, engineering, math and computer science.**

The types of projects which are authorized to be undertaken at Moreno Valley College, Norco College and Riverside City College campuses include:

**PROVIDE LOCAL STUDENTS AN AFFORDABLE EDUCATION:**

**Improvements Needed To Allow Moreno Valley, Norco and Riverside City Colleges  
Provide Affordable Job Training and Vocational  
Programs Required To Prepare Students For In-Demand Careers**

**Goals and Purposes:**

Because the cost of attending California’s public universities is so expensive, many more local students are starting their education at community colleges. As a result, more students and their families rely on their local community college to save tens of thousands of dollars. This measure will ensure local students have access to an affordable, high-quality education in Riverside County.

Passing this measure will add classrooms, labs and career-training facilities needed to allow both MORENO VALLEY COLLEGE and NORCO COLLEGE to be COMPREHENSIVE colleges, expanding the range of classes, degrees, and career-training courses offered to better serve the needs of local residents.

- Repair or replace aging plumbing systems to prevent flooding and water damage.
- **Improve access to college facilities for students with disabilities.**
- Improve deteriorating gas, electrical, sewer and plumbing lines and systems.
- **Repair or replace leaky roofs.**
- Upgrade classrooms and labs for science, technology, engineering, biotech, and math-related fields.
- Construct new classroom and job training facilities.
- Replace aging internet and electrical wiring.
- **Improve student safety and campus security systems**, including security lighting, cameras, emergency communications systems, smoke detectors, and fire alarms.

**PROVIDE JOB TRAINING AND COLLEGE TRANSFER:**

**Classroom and Program Improvements To Help Local Students and Veterans  
Transfer to Four-Year Universities;  
Be Trained For Careers in Healthcare, Engineering, Technology, Law Enforcement and  
Firefighting**

**Goals and Purposes:**

Moreno Valley College, Norco College, and Riverside City College each provide essential job training and workforce preparation for students of all ages, military veterans and local residents. The measure would upgrade classrooms, facilities and technology and expand access to training programs that help students learn new skills and find better paying jobs.

**Nearly 40% of all local high school graduates rely on our local community colleges for higher education and to prepare for careers. We need to repair and upgrade our local colleges so they can continue to serve our community well for the decades to come.**

- Upgrade classrooms and career training facilities for healthcare and nursing.
- **Upgrade classrooms and labs to help local students complete the first two years of college affordably, and transfer to the Cal State or UC systems.**
- Expand and improve the Veteran’s Centers at all three campuses, which provide job training, job placement, counseling, and support to military veterans and their families.
- **Construct new or upgrade outdated classrooms, labs, career training facilities, and equipment to keep pace with current industry standards and technology.**
- **Improve classrooms and career training facilities in public safety, fire protection, emergency medical treatment, law enforcement, and physical sciences.**
- Repair deteriorating classrooms and facilities.
- Build new or improve existing facilities for science, technology, engineering, math and computer science instruction and job training.

In addition to the listed types of projects stated above, the types of authorized projects of the measure also include the acquisition of a variety of instructional, maintenance and operational equipment, including interim funding incurred to advance fund projects and the refinancing of outstanding lease obligations, payment of the costs of preparation of all facility planning, fiscal reporting, facility studies, assessment reviews, facility master plan preparation and updates, environmental studies (including environmental investigation, remediation and monitoring), design and construction documentation, project management information systems, permit fees, and temporary housing of dislocated college activities caused by construction projects. In addition to the projects listed above, repair, renovation and construction projects may include, but not be limited to, some or all of the following: renovate student and staff restrooms; replace aging electrical and plumbing systems; repair and replace heating, ventilation and air conditioning systems; install building management and energy management systems; upgrade of facilities for energy efficiencies, including, as an example, the installation of solar panels or arrays, electric charging stations, chiller replacements, and decarbonization programs; repair and replace worn-out and leaky roofs, windows, walls doors and drinking fountains; replace or remove outdated buildings and classrooms and construct new classrooms and support buildings; upgrade wiring and electrical systems to safely accommodate computers, technology and other electrical devices and needs; upgrade facilities to meet current environmental sustainability, State compliance standards and earthquake safety; repair and replace fire alarms, emergency communications and security systems; upgrade, resurface, replacing or relocate hard courts, fields, turf and irrigation systems; replace turf on athletic fields; upgrade classrooms; build new or renovate existing facilities such as science buildings, advanced technology buildings, wellness/allied health facilities, early childhood education center, business and technical support facilities, cosmetology building, emergency operations center, career and technical education buildings, child development center, student and welcome centers, bookstore, parking structures and lots; build new or upgrade sports fields, gymnasiums, athletics complex/stadium, pools, volleyball and tennis courts, and other athletic facilities; upgrade, resurface and recondition existing parking lots, roads and sidewalks; construct or upgrade on-site and off-site roads and roadways and related off-site improvements; improve vehicular access and circulation; improve drop-off zones; repair, upgrade and install interior and exterior lighting systems; replace water lines and valves and sewer lines; construct, upgrade, acquire or expand, multi-use classrooms and labs, swing space, student/learning resources centers, student libraries, planetarium, outdoor

classrooms/performance space, fine/ theater and visual arts, music and performing arts facilities, greenhouse, kinesiology buildings, police facilities, field lights, bleachers, press box, track replacement, collaborative office suites and administrative offices, purchasing, warehouse and maintenance facilities, and public safety facilities; improve water conservation and energy efficiency; acquire land; replace existing window systems with energy-efficient systems to reduce costs; improve insulation, weatherproofing and roofs to reduce costs; improve access for the disabled; install and repair fire safety equipment, including alarms, smoke detectors, sprinklers, emergency lighting, and fire safety doors; replace broken concrete walks, deteriorated asphalt; replace/upgrade existing signage to reflect better wayfinding, bells and clocks; replace, modernize and upgrade existing elevator systems; demolition of unsafe or outdated facilities; install or upgrade new security systems, such as security (surveillance) cameras, burglar alarms, handrails, outdoor lighting, fencing, landscaping, gates, gateways and classroom key cards/door locks; replace sewer lines and improve drainage systems to prevent flooding; abate, remove, remediate existing above and below ground hazardous materials; replace, upgrade, construct, map and improve underground utilities infrastructure and above ground utilities structures; upgrade roadway and pedestrian paths and pathways and bridges for improved safety and access for emergency vehicles, site parking, utilities and grounds. Current priority projects at the three colleges include, at Moreno Valley College, the construction of a library and learning resource center and a biological and physical sciences facility; at Norco College, the construction of STEM buildings, and the reconstruction of the Applied Technology Education Center/Information Technology; and at Riverside City College the construction of a Visual Arts Complex, and an Advanced Technology Building. The upgrading of technology infrastructure includes, but is not limited to, upgrading classroom technology, expanding wireless internet access throughout each college campus, acquire portable interface devices, servers, switches, routers, modules, sound projection systems, information systems, printers, digital white boards, upgrade voice-over-IP, communication systems, audio/visual and telecommunications systems, call manager and network security/firewall, Internet connectivity, wireless systems, technology infrastructure, and other miscellaneous IT and instructional equipment, DATA storage, fiber/copper infrastructure, phones, identity access cards and the construction and installation of a data center in the cloud for District's enterprise systems, such as resource planning, websites, domain name systems, cloud applications and information security, as well as the necessary software and licenses associated therewith.

The listed projects will be completed as needed. Each project is assumed to include its share of furniture, equipment, architectural, engineering, and similar planning costs, program/project management, staff training expenses, a customary contingency, and costs associated with the Total Cost of Ownership of facilities and equipment. The allocation of bond proceeds may be affected by the final costs of each project. Some projects may be undertaken as joint use or public/private partnership projects in cooperation with other local public, non-profit agencies or other entities. The budget for each project is an estimate and may be affected by factors beyond the District's control. The final cost of each project or decisions will be determined as plans and construction documents are finalized, construction bids are received, construction contracts are awarded and projects are completed. Based on the final budgets of projects or on the then current priorities of the District, certain of the projects described above may be delayed or may not be undertaken. Demolition of existing facilities and reconstruction of facilities scheduled for repair and upgrade may occur, if the Board determines that such an approach would be more cost-effective in creating more enhanced and operationally efficient campuses. Necessary site preparation/restoration, including the acquisition and installation of temporary facilities (swing space) may occur in connection with new construction, renovation or remodeling, or installation or removal of relocatable classrooms, including ingress and egress, removing, replacing, or installing irrigation, utility lines, trees and landscaping, relocating fire access roads, and acquiring any necessary easements, licenses, or rights of way to the property. Proceeds of the bonds may be used to pay or reimburse the District for the cost of District staff when

performing work on or necessary and incidental to bond projects. Bond proceeds shall only be expended for the types of projects and purposes identified herein. The District shall create an account into which proceeds of the bonds shall be deposited and comply with the reporting requirements of Government Code Section 53410.

### FISCAL ACCOUNTABILITY

**This bond measure has strict accountability requirements including:**

1. All money will benefit Moreno Valley College, Norco College and Riverside City College and CANNOT BE TAKEN BY THE STATE.

2. NO MONEY can be used for ADMINISTRATOR SALARIES or pensions.

3. Require TAXPAYER OVERSIGHT and yearly audits to ensure all funds are used locally, effectively and as promised.

4. NO ADMINISTRATOR SALARIES. Proceeds from the sale of the bonds authorized by this proposition shall be used only for the acquisition, construction, reconstruction, rehabilitation, or replacement of school facilities, including the furnishing and equipping of school facilities, and not for any other purpose, including teacher, faculty and college administrator salaries, pensions and other operating expenses.

5. **FISCAL ACCOUNTABILITY. THE EXPENDITURE OF BOND MONEY ON THESE PROJECTS IS SUBJECT TO STRINGENT FINANCIAL ACCOUNTABILITY REQUIREMENTS. BY LAW, PERFORMANCE AND FINANCIAL AUDITS WILL BE PERFORMED ANNUALLY, AND ALL BOND EXPENDITURES WILL BE MONITORED BY AN INDEPENDENT CITIZENS' OVERSIGHT COMMITTEE TO ENSURE THAT FUNDS ARE SPENT AS PROMISED AND SPECIFIED. THE CITIZENS' OVERSIGHT COMMITTEE MUST INCLUDE, AMONG OTHERS, REPRESENTATION OF A BONA FIDE TAXPAYERS ASSOCIATION, A BUSINESS ORGANIZATION AND A SENIOR CITIZENS ORGANIZATION. NO DISTRICT EMPLOYEES OR VENDORS ARE ALLOWED TO SERVE ON THE CITIZENS' OVERSIGHT COMMITTEE.**

## Tax Rate Statement

An election will be held in the Riverside Community College District (the “District”) on March 3, 2020 to authorize the sale of \$715,000,000 in general obligation bonds. If such bonds are authorized and sold, principal and interest on the bonds will be payable only from the proceeds of tax levies made on the taxable property in the District. These estimates are based on projections derived from information obtained from official sources and other demonstrable factors. The actual tax rates and the years in which they will apply may vary depending on the timing of bond sales, the amount of bonds sold at each sale, and actual increases in assessed valuations. The following information is submitted in compliance with Sections 9400-9404 of the California Elections Code.

- i. The best estimate of the average annual tax rate that would be required to fund this bond issue over the entire duration of bond debt service, based on estimated assessed valuations available at the time of filing of this statement, is \$0.02 per \$100 (\$20.00 per \$100,000) of assessed valuation.
- ii. The best estimate of the final fiscal year in which the tax required to fund this bond issue is anticipated to be collected is fiscal year 2053-54.
- iii. The best estimate of the highest tax rate that would be required to fund this bond issue, based on estimated assessed valuations available at the time of filing this statement, is \$0.02 per \$100 (\$20.00 per \$100,000) of assessed valuation, which is projected to be the same in every fiscal year the bonds remain outstanding.
- iv. The best estimate from official sources of the total debt service, including the principal and interest, that would be required to be repaid if all the bonds are issued and sold will be approximately \$1.43 billion.

Based upon the forgoing and projections of the District’s assessed valuation, the timing of the bond sales and the amount of bonds sold at any given time will be determined by the needs of the District and other factors. Actual assessed valuations will depend upon the amount and value of taxable property within the District as determined by the County Assessor in the assessment and the equalization process.

Voters should note that the estimated tax rates are based on the ASSESSED VALUE of taxable property in the District as shown on the County’s official tax rolls, not on the property’s market value. Property owners should consult their own property tax bills to determine their property’s assessed value and any applicable tax exemptions.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Wolde-Ab Isaac, Ph.D.  
Chancellor  
Riverside Community College District



## Board of Trustees Regular Meeting (IV.C)

Meeting	November 19, 2019
Agenda Item	Other Items (IV.C)
Subject	Five to Thrive Presentation - "MUSE," the Annual Literary Journal of Riverside City College
College/District	Riverside City College
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

Each month a faculty member is invited through the Academic Senate to present on teaching and programs. This month, Professors Jo Scott-Coe and James Ducat will provide a presentation regarding "MUSE," the annual literary journal of RCC.

Prepared By: Gregory Anderson, President, Riverside City College

# muse

RCCD Board Meeting

“Five to Thrive” Presentation  
19 November 2019

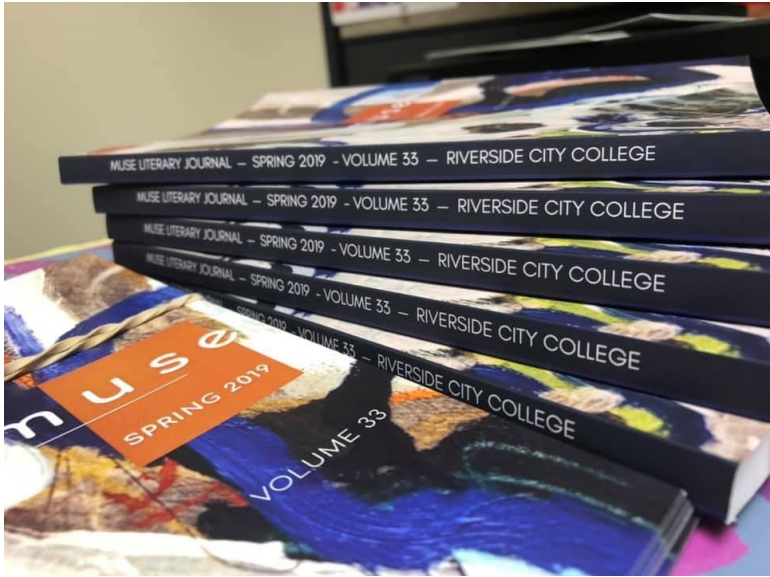
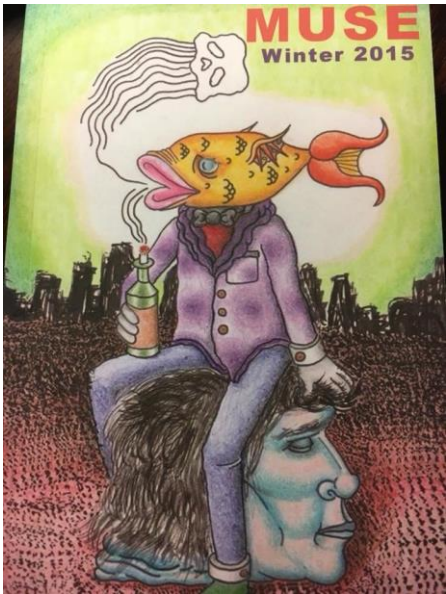
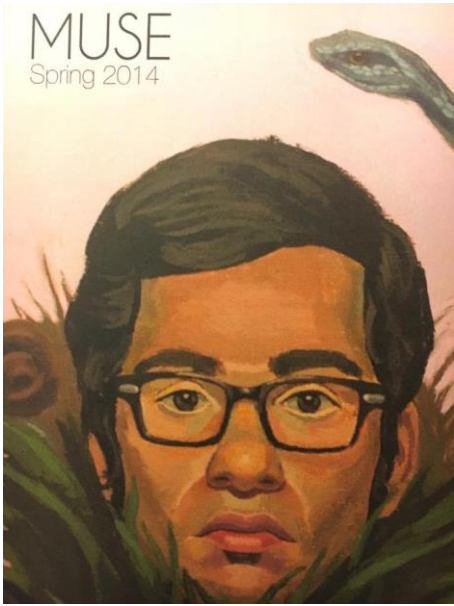
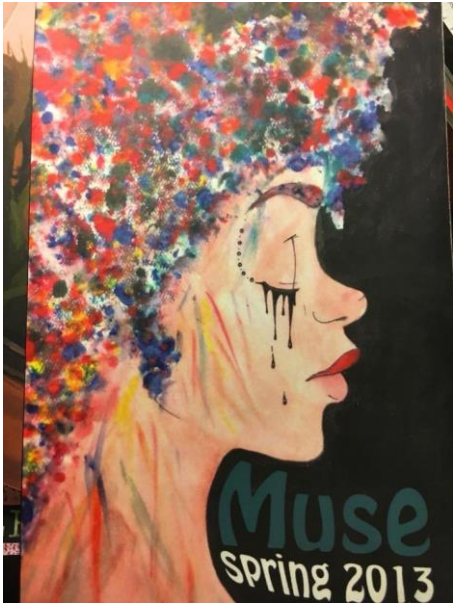
**Co-advisory Editors:**

- *Jo Scott-Coe and James Ducat*
- *RCC Dept. of English & Media Studies*

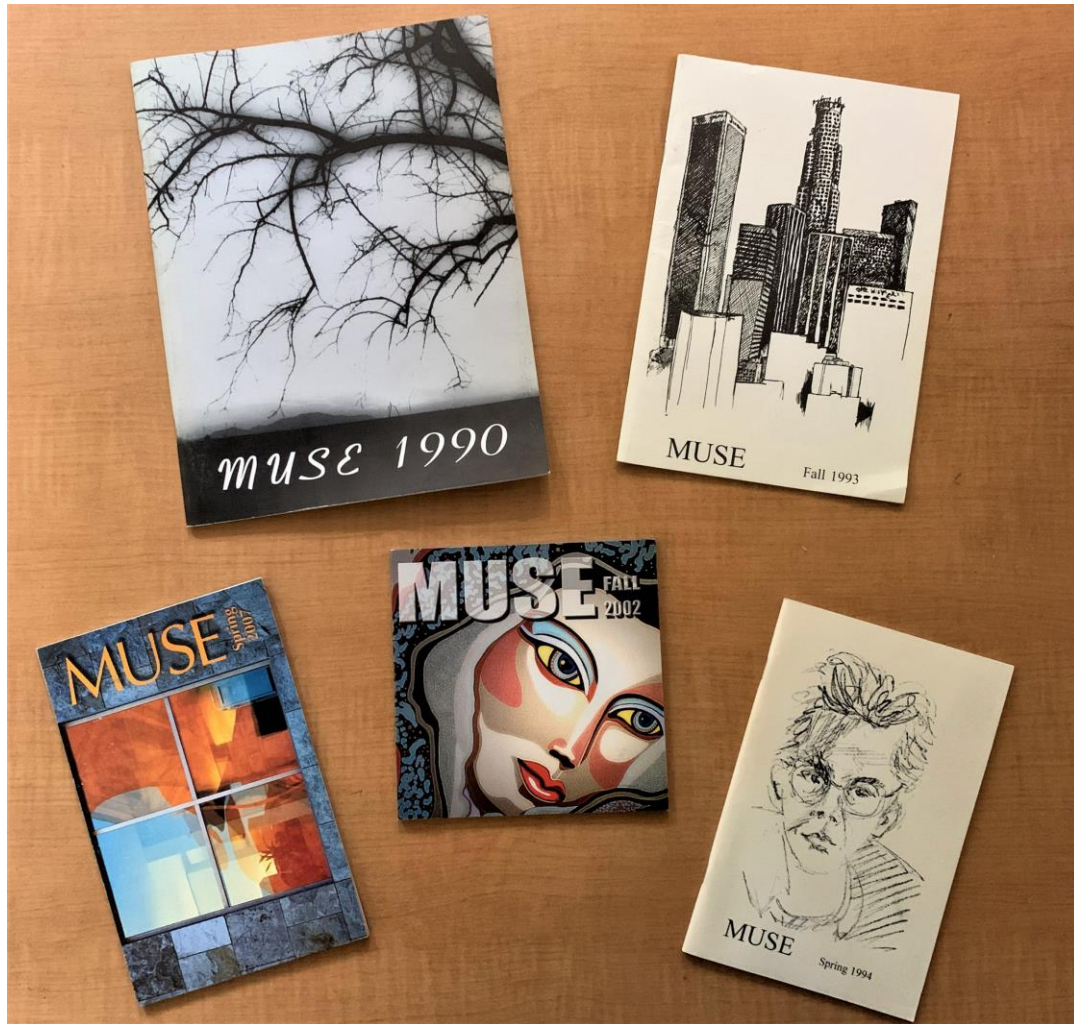
**Student and Alumni Representatives:**

- *Andrew Adjei*
- *Kayla Fernandez*
- *Angel Neri*

# MUSE is the annual literary journal of Riverside City College.







## RCC MUSE History

Starting in 1986, MUSE was the literary journal of RCC.

**MUSE began** as a student club with a faculty advisor, and publishing work from the RCC community.

**The original advisor was Linda Sherman, now the owner of Cellar Door Books.**

**In the '90s,** MUSE was produced within a newly designed 2-unit course, ENG 17.

**Faculty instructors and advocates from the mid 1990s have included:**

Professor Kristine Anderson

Dr. Tammy Kearn

Professor Christine Sandoval

Professor Susan St. Peters

Dr. Su Acharya

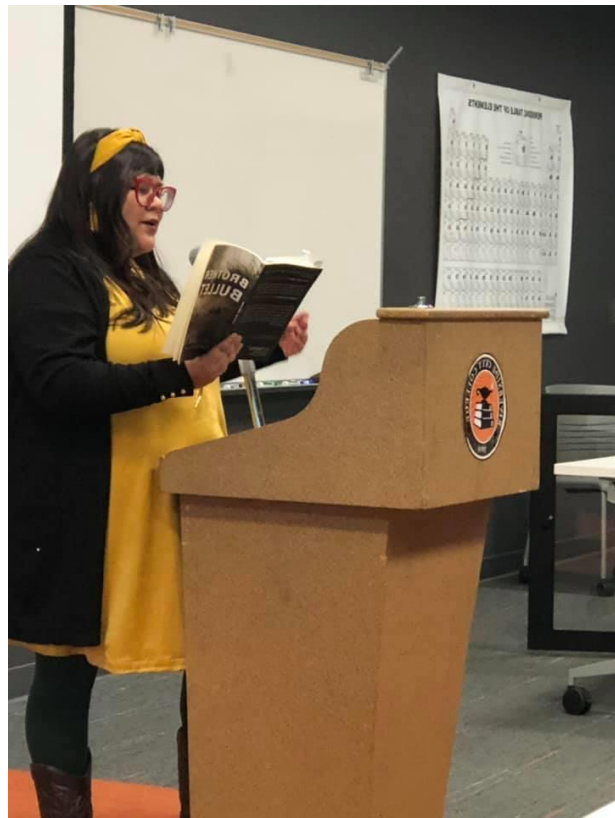
# MUSE Innovations

In **2013**, Professor Jo Scott-Coe opened submissions to the regional, national (and international) literary and artistic community, enabling student editors to expand their reviewing experience.

**Also in 2013**, MUSE became a platform for bringing literary guests to share their work with the RCC community. In the past seven years alone, MUSE has brought more nearly 50 writers to campus.

**Since 2013**, MUSE has showcased RCC student poetry, fiction, creative nonfiction/memoir, art, and other editorial material alongside the works of new, emerging, and established authors and artists from across the U.S. and around the world.

**MUSE is also now produced with print-on-demand technology**, which has reduced cost and become more environmentally-efficient. It also facilitates immediate re-printing of editions from 2013 forward.





In 2018, Professor Scott-Coe and Professor James Ducat developed curriculum to emphasize the apprenticeship and pre-professional elements of **ENG 17 for the ADT in English**, and **17ABC was re-launched as 3-unit degree-applicable course**.

In **ENG 17ABC**, students receive **applied practice** and pre-professional/apprenticeship training in editing, curating, publishing, marketing, and events-planning for a literary publication that is shared around the world.

**ENG 17ABC** also enables students across disciplines of study to practice **community engagement** on a variety of levels, both on and off campus. MUSE editors have hosted interactive displays at Riverside Arts Walk, as well as at RCC Welcome Days.





**MUSE has represented twice at the national Association of Writers and Writing Program Conference.**

**In 2018:** Marcos Corona, senior editor from 2014-2018, spoke on a panel about applied practice/apprenticeship experience opportunities in an Hispanic Serving Institution.

**In 2019:** Professor Scott-Coe spoke on a panel with other community college faculty from across the country about how MUSE brings literary guests to RCC for live events at no cost to students and community.



**Other events MUSE sponsors and co-hosts:** presentation at Inlandia Literary Laureate Launch; reading at the Long Beach Poetry Festival (2016) and Pasadena Litfest (2017); reading with students at CSUSB (2018); multiple workshops in the business and craft of local and regional publishing.

**RCC MUSE editors** have also led presentations about writing and book publishing to literature classes on campus.

**MUSE is also the home for the annual Holden Spangler Award** (established 2019), endowed by a member of the community to commemorate the life of an RCC faculty member's child who died tragically.

**Since 2013, MUSE has awarded approximately \$1500 in scholarships** to RCC student writers and artists.





## **MUSE Ambassador: Kayla Fernandez**

Editor, Spring 2013 and Spring 2014

*RCC: AA's in Social & Behavioral Studies; Communication & Languages; Humanities, Philosophy, Arts; Math & Science*

*Cal State San Bernardino: BA Social Work, 2017*

*Cal State Long Beach: Master's in Social Work, 2018*

**ENG 17ABC facilitates intentional collaboration** among student editors of various majors and disciplines and expertise.

**Since the 17ABC re-design in 2018**, co-advisors and staff are working to collect demographic “census” data from editors and contributors so that we can consider publishing with an eye towards equity and inclusion in publishing.

### **Demographics of editorial staff MUSE (2018-19)**

59% female identified, 34% male identified, 4% non-binary

71% self-identified persons of color (incl. Latinx), 29% self-identified white

33% self-identified LGBTQIA

### **Contributors Published (fiction, art, poetry) from 2013-2019:**

MUSE averaged 28% RCC contributors, 72% non RCC contributors.

MUSE averaged 57% California contributors, 38% US/non-CA contributors, 5% international contributors.

MUSE averaged 2.3 international contributors per issue.

**MUSE has frequently had the honor of publishing the work of incarcerated and formerly incarcerated people**, including the 2018 PEN Poetry Award-winning poet Matthew Mendoza.



## **MUSE Ambassador: Andrew Adjei**

Editor, Spring 2015

Published Fiction Author, Spring 2017

*RCC: AA in English 2016*

*Cal State Long Beach: BA English, Creative Writing 2018*

### **Increase in Submissions to MUSE**

Over the past three years, submissions have increased to an average of more than 300 individual pieces annually for consideration by student editors, for approximately 50 spots in the spring edition.

**Student editors screen and review all submissions**, communicating acceptance and rejection to all submitters. A 15% acceptance rate makes MUSE a competitive—and vibrant—journal with a national circulation.

**In 2019 MUSE published 52% men, 48% women.**

**Approximately 2000 copies of MUSE** have been distributed, both locally, nationally, and internationally.

**MUSE is now often used as a text in creative writing courses**—and was piloted this semester as a text for English 1B





## MUSE Ambassador: Angel Neri

Editor, Spring 2018-current

Current RCC Student

Major: ADT in English

**Student editors learn to plan events** for book celebration and launch, manage publicity and recruitment both on and off campus, learn about distribution and best practices in the literary marketplace, revise and set goals. Editors also manage outreach through Facebook and Instagram.

**Editors participate in panel discussions** for RCC creative writing students, and **have collaborated in events** with the Inlandia Institute, Cal State University San Bernardino, the Long Beach Poetry Festival, and Litfest Pasadena.

**MUSE has hosted** book celebrations, the MUSE 30-year reunion, and “open-mic” events at various locations, including the 7<sup>th</sup> Floor of City Hall, the Main Branch of the Riverside Public Library, Cellar Door Books, Back to the Grind, Riverside Arts Walk, and Mind & Mill.







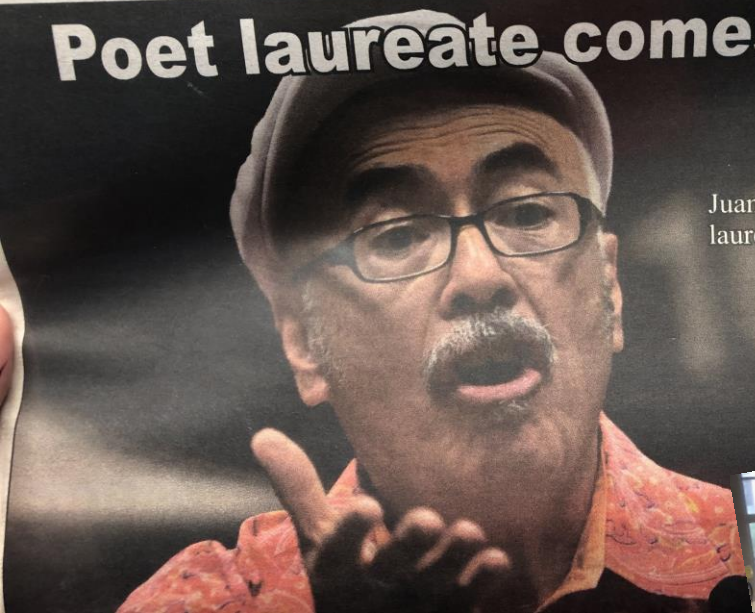


# Viewpoints

Riverside City Co

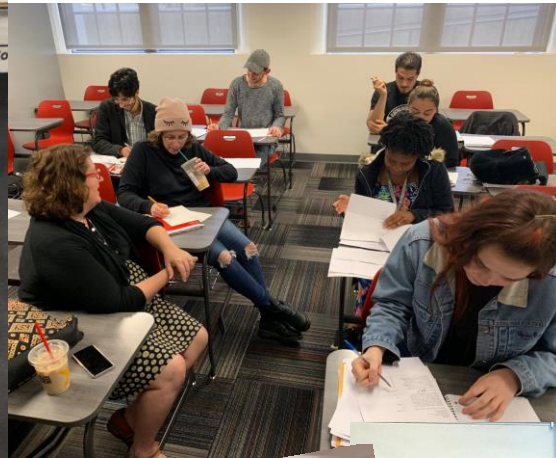
e, CA | www.viewpointsonline.org

## Poet laureate comes to RCC

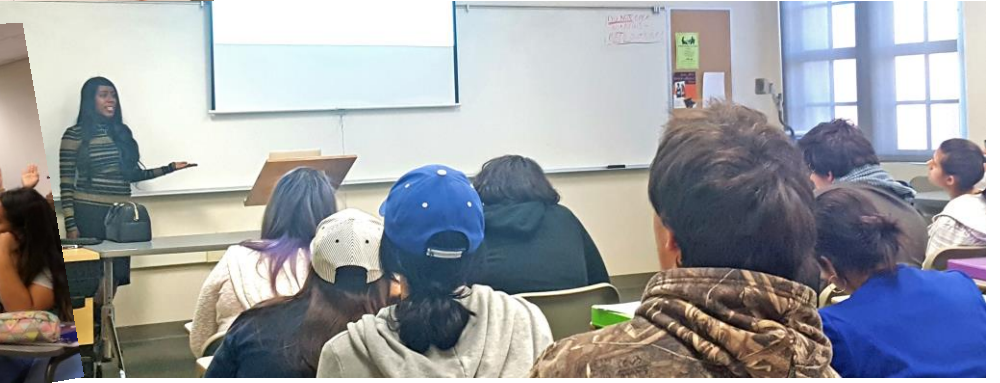


Juan Felipe Herrera, the state's poet laureate, visits RCC on May 22

For a NEWS STORY see Page 2



**RCC MUSE Visiting Writers Series:**  
*Nearly 50 Guests since 2013*



## Building Our Literary Future

**RCC MUSE seeks to model the RCC vision**—of education, innovation, and service—and to carry forward and renew traditions of excellence with students, campus advocates, and community partners.

**RCC MUSE seeks to continue intentional practices** of inclusion for its editorial team, contributors, and literary guests.

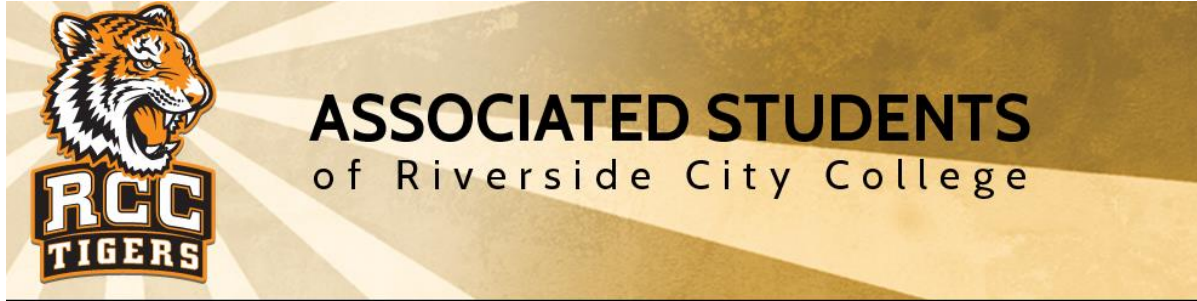
**RCC MUSE seeks to cultivate and expand its sources of sustainable funding** for production of the annual journal and support of its reading series.

**RCC MUSE seeks to network, collaborate, and share with other faculty and students** through professional and academic associations such as the Association of Writers & Writing Programs (AWP)—leading, learning, and collaborating about best practices for sustainable and equitable literary programs.

**RCC MUSE seeks to expand cross-disciplinary campus partnerships** for recruitment, events, and increased visibility both on and off-campus.







**RCC MUSE thanks ASRCC for its support.**

## Poets & Writers

**MUSE** also applies for and receives generous annual mini-grants from Poets & Writers, Inc., through a grant from the Lannan Foundation.

**MUSE also appreciates the annual support received via donations** from faculty, businesses, and community members.

### **Contact:**

**advisory editors** Jo Scott-Coe ([Jo.Scott-Coe@rcc.edu](mailto:Jo.Scott-Coe@rcc.edu)) and James Ducat ([James.Ducat@rc.edu](mailto:James.Ducat@rc.edu));

**MUSE staff,** [muse@rcc.edu](mailto:muse@rcc.edu); **Instagram** @rccmuse; **Facebook** @RCCMuseMagazine

## Board of Trustees Regular Meeting (IV.D)

Meeting	November 19, 2019
Agenda Item	Human Resources & Employee Relations (IV.D)
Subject	Healthcare Update
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

At the November 5, 2013 regular Board of Trustees meeting, the Board of Trustees requested an update of the healthcare issue at each Board meeting.

Any new claims or concerns will be brought forward.

Prepared By: Terri L. Hampton, Vice Chancellor, Human Resources & Employee Relations



## Board of Trustees Regular Meeting (IV.E)

Meeting	November 19, 2019
Agenda Item	Other Items (IV.E)
Subject	Future Monthly Committee Agenda Planner and Annual Master Planning Calendar
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

Monthly, the Board Committees meet to review upcoming action items or receive information items and presentations. Furthermore, annually the Board sees and takes action on items at the same time each year. For the purposes of planning the monthly committee and Board meetings, the Future Committee Agenda Planner and the Annual Master Planning Calendar is provided for the Board's information.

Prepared By: Wolde-Ab Isaac, Chancellor

## RECOMMENDED 2019-20 GOVERNING BOARD AGENDA MASTER PLANNING CALENDAR

Month	Planned Agenda Item *(Consent Item)
August	<ul style="list-style-type: none"> <li>• Resolution Regarding Appropriations Subject to Proposition 4 – Gann Limitation*</li> <li>• Resolutions – California Public Employees’ Retirement Incentive Plan Under Government Code Section 20904 – Two Additional Years of Service Credit</li> </ul>
September	<ul style="list-style-type: none"> <li>• CCFS-311Q-Quarterly Financial Status Report (4<sup>th</sup> Quarter) *</li> <li>• Public Hearing and Budget Adoption for the Fiscal Year RCCD Budget</li> <li>• Resolution Authorizing the Issuance of Measure C General Obligation Bonds, Series 2019F, and Actions Related Thereto</li> <li>• Annual Adoption of Education Protection Account Funding and Expenditures*</li> </ul>
October	<ul style="list-style-type: none"> <li>• Emeritus Awards, Faculty</li> <li>• Presentation of Annual Report by Measure C Citizens’ Bond Oversight Committee</li> <li>• CCFS 311 Annual Financial and Budget Report*</li> <li>• Measure C Update</li> <li>• Bond Survey Results</li> <li>• Business &amp; Financial Service Strategic Plan</li> <li>• Long-Term Capital Facilities Program</li> <li>• Clery Act Report</li> <li>• Fiscal Viability Assessment</li> <li>• Land Use Policy</li> </ul>
November	<ul style="list-style-type: none"> <li>• CCFS-311Q Financial and Budget Report (1<sup>st</sup> Quarter)*</li> <li>• Annual Master Grant Submission Schedule</li> <li>• 2020-21 BAM Phase II Implementation</li> <li>• Public Private Partnership Policies &amp; Standards/Protocols/Procedures</li> <li>• Resolution to Order an Election for March 2020</li> <li>• Total Cost of Ownership</li> </ul>
December	<ul style="list-style-type: none"> <li>• Organizational Meeting: Elect the President, Vice President and Secretary of the Board of Trustees; Board association and committee appointments.</li> <li>• Annual Board of Trustees Meeting Calendar for January-December</li> <li>• Annual District Academic Calendar</li> <li>• Annual Independent Audit Report for RCCD</li> <li>• Annual Independent Audit Report for RCCD Foundation</li> <li>• Annual Proposition 39 Financial and Performance Audits</li> <li>• Fall Scholarship Award to Student Trustee</li> <li>• Signature Authorization*</li> </ul>
January	<ul style="list-style-type: none"> <li>• Grants Office Annual Winter Report</li> <li>• Federal Legislative Update</li> <li>• Annual Nonresident Tuition and Capital Outlay Surcharge Fees*</li> <li>• Proposed Curricular Changes</li> </ul>
February	<ul style="list-style-type: none"> <li>• CCFS-311Q-Quarterly Financial Status Report (2<sup>nd</sup> Quarter)*</li> <li>• Presentation of Governor’s Budget Proposal</li> <li>• Recommendation Not to Employ (March 15<sup>th</sup> Letters)</li> </ul>
March	<ul style="list-style-type: none"> <li>• Agreement for Information Technology Support Services to the Galaxy System with Riverside County Superintendent of Schools*</li> </ul>
April	<ul style="list-style-type: none"> <li>• Academic Rank – Full Professors</li> <li>• Annual Authorization to Encumber Funds (Resolution for RCOE)</li> <li>• Proposed Curricular Changes</li> <li>• Future Bond Measure Survey Update</li> <li>• Economic Impact Study</li> <li>• Presentation for FY 2020-21 RCCD Budget Planning</li> </ul>
May	<ul style="list-style-type: none"> <li>• CCFS-311Q-Quarterly Financial Status Report (3<sup>rd</sup> Quarter)</li> <li>• Spring Scholarship Award to Student Trustee</li> <li>• Summer Workweek</li> <li>• College Closure – Holiday Schedule</li> <li>• Resolution to Recognize Classified School Employee Week</li> <li>• Board of Trustees Annual Self-Evaluation</li> <li>• Chancellor’s Evaluation</li> <li>• Annual Institutional Effectiveness Goals for Fiscal Viability and Programmatic Compliance with State and Federal Guidelines</li> <li>• Safety and Police Update</li> </ul>

June

- Administration of Oath of Office to Student Trustee
- Department Chairs and Stipends, Academic Year
- Coordinator Assignments
- Extra-Curricular Assignments
- 2022-2026 Five-Year Capital Construction Plan, Initial Project Proposals and Final Project Proposals
- Tentative Budget for FY 2020-21 and Notice of Public Hearing on the FY 2019-20 Final Budget
- Notices of Employment–Tenured Faculty; Contract Faculty; and Categorically Funded Academic Administrator Employment Contracts
- Moreno Valley College Catalog
- Norco College Catalog
- Riverside City College Catalog
- Board Self Evaluation – Reporting Out

Revised 8/14/2019

COMMITTEES OF THE BOARD OF TRUSTEES - PLANNING WORKSHEET

December 2019

Page 1

A. Governance	B. Teaching and Learning	C. Planning and Operations	D. Resources	E. Facilities
Chancellor	Vice Chancellor, Educational Services		Vice Chancellor, Business & Financial Services; Vice Chancellor, Human Resources & Employee Relations	
<ul style="list-style-type: none"> <li>▪ Board Policies Related to Business &amp; Financial Services (Pyle) <i>(TENTATIVE)</i></li> <li>▪ Board Policies Related to Institutional Advancement &amp; Economic Development (Pyle) <i>(TENTATIVE)</i></li> </ul>	<ul style="list-style-type: none"> <li>• Norco College 2030 Educational Master Plan</li> <li>▪ MVC ISER</li> <li>▪ MVC Mission, Vision, Values (Revision)</li> <li>▪ MVC Early Child Care Center Fee Increase</li> </ul> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <ul style="list-style-type: none"> <li>■ Board report and/or backup not yet complete – review pending.</li> <li>✓ Board report &amp; backup materials attached for review by the Cabinet.</li> <li>★ Approved by the Cabinet for placement on the Board agenda.</li> </ul> <p style="background-color: yellow; margin-top: 5px;"><b>ALL FINAL REPORTS DUE TO THE CHANCELLOR'S OFFICE BY 11/26/2019 &amp; 12/03/2019.</b></p> </div>	<ul style="list-style-type: none"> <li>▪ Annual Grants Updates (Goldware/Kim) <i>(TENTATIVE)</i></li> <li>▪ Census Resolution (Goldware) <i>(TENTATIVE)</i></li> <li>▪ CBOC Applications (Goldware) <i>(TENTATIVE)</i></li> </ul>	<ul style="list-style-type: none"> <li>▪ RCCD Foundation Audit Report (Brown/Bogle)</li> <li>▪ Prop 39 Audit Report (Brown/Bogle)</li> <li>▪ RCCD Audit Report (Brown/Bogle)</li> <li>▪ MVC Ben Clark Training Center Corrections Platform Training Facility project budget augmentation (Steinback/Jones)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Needs Assessment for BCTC Education Center Status (if we don't make the November Deadline)</li> </ul>

Updated 11/14/19

## Board of Trustees Regular Meeting (V.A)

Meeting	November 19, 2019
Agenda Item	Other Items (V.A)
Subject	Student Report
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

Student Trustee will be presenting the report about the recent and future student activities at Moreno Valley College, Norco College, Riverside City College, and Riverside Community College District events.

Prepared By: Jorge Zavala, Student Trustee

Over the month of October ASMVC has been working hard non stop. We have had college wide events almost every single Tuesday and Thursday. First and foremost, some members of the ASMVC team went to the CCCSAA conference up north. ASMVC also put on a breast cancer awareness week, where we brought awareness to the cancer as well as other cancers; in addition to that we held a walkathon for breast cancer awareness. Following that we put on several events throughout the Undocumented Students Week of Action. On one particular event we had President Steinbeck come and talk; as well as a panel where lawyers came and talked to the community. On that very same Friday ASMVC put on our annual Halloween Valley, the turn out for the even was extraordinary! Throughout Halloween Valley, we had the MVC dance team do a performance of Thriller. Throughout the last week of October we handed out candy to the little kids from head start, who were all dressed up and excited to receive candy. Now entering November, have already have a few events. We recently just held the Native American Celebration event where the theme was, "Native American History is American History." The week of November 11th will be a particularly busy one for ASMVC as we have a Veterans event Tuesday the 12th, then on Thursday the 14th we will have our Fall Banquet where the theme is Neverland. All board members and the chancellor are *highly* encouraged to attend considering it is the only Fall Banquet the district has in regards to Student Government. The week after the fall banquet is our annual Stress Less week where we will be having Henna tattoos, a masseuse, therapy dogs, and much more! Thank you so much for your time and we hope to see you around the MVC campus!

Best,

ASMVC President Juan Hernandez



### **ASNC Status Report**

This month past month we had a dance hosted last Thursday which was a success, the ASRCC president and a few of his ASO members attended that event. We also had our harvest fest which had a huge turnout! There was over 2000 people there, and in my person opinion it seemed bigger than last year. I am so excited to see this, because it only means that we are expanding as a college. Our student Engagement centers also opened this past month, and they have been hosting an open house where they give away food, and other things like water bottles. I heard that our first two hydration stations are set to be installed this week, on Thursday Nov. 14. We will be having a quest speaker this week as well. Our last event for the year will be angel tree where we have children of all ages participate. Lastly we plan on having a Christmas party for all our ASO members and Advisor, where we plan on doing secret Santa.

One thing that has been an issue is the parking proposal regarding the veterans. We talked to Dr. Flemings during our past senate meeting which was on Friday Nov. 8. We shared our concerns as a student body but it seems like the decision was already made. Dr. Flemings stated that there was student representation on the committee it was presented in (BFPC) but he failed to mention that the student rep. does not get a vote. We believe it is unjust to take away more parking for students. This system makes it seem like a hierarchy, and that it not what equity means. If we are trying to make the college more equitable, this will cause more problems than what is was meant. We already have a parking problem in STEM, so it does not make sense to take away TWO spots from the students.



## Board of Trustee's Report

### November

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#### ASRCC Activities

- Club Fundraising Week
  - This event was a majority for the clubs of RCC to have an opportunity to fundraise money for themselves. A total of 8 clubs participated in this event on both days. The dates were Wednesday the 6th and Thursday the 7th. Also on Thursday the 7th students had the chance to get a sneak peak on Theatre's Spring Awakening show.
- Veterans Week
  - ASRCC was in collaboration with the Veterans Club in a week of activities to honor our Veteran students. We had a Veterans BBQ, A guest speaker, Military Branch Fair, and the Saturday Football game dedicated to the Veterans..
- Tiger Pride
  - ASRCC will be giving out free food to the students during College Hours. The food will be enchiladas, rice, and beans. Purpose is to serve the students because they paid their student services fees and to have their college experience greater.
- Super Smash Ultimate Tournament
  - ASRCC and Universal Gaming Club will be collaborating on this event to have the students get a taste of gaming. Students will have the chance to compete in the tournament and have fun.



This event will be in the cafeteria from 12-2. There will be a rubric for the tournament leading to the 1st, 2nd, and 3rd place winners. ASRCC will be contributing food for the first 120 students who attend.

- International Taste of Nations
  - For International Education Week, The MultiCultural Activities Council will be hosting International Taste of Nations. This event is for students to have a chance to understand and taste foods from different cultures. Students will be given a passport booklet that they take to each stand. They will be given a sample of the food and a stamp in their passport. Purpose is to have the students appreciate and understand the diversity we have here on campus from our international students.
- Day of Thanks
  - This event is hosted by the Hungry Tigers Program. They will be serving a Thanksgiving dinner for both the afternoon and evening students. Purpose is to give students that thanksgiving feel and to also be thankful for everything. To also feed those who maybe won't have a thanksgiving.

#### What ASRCC is Working On?

- Senate Corner- How to inform students on events
  - On Thursday the 7th, Student Senate conducted their monthly survey in November. This month's survey was on "How do you want to be informed on ASRCC events" and " What events students would want to come to." The Student Senate branched off to three different locations on Campus.

- At Cosmetology, 30-40 students filled out the survey and were given food.
    - At Athletics, 10 students filled out the survey and were given food.
    - At the Quad, 135 students filled out the survey and were given food.
  - Attachment on results will be included in email.
- Supreme Court Open Forum- Informing Students on Resources
  - Supreme Court had their monthly forum for the students. This topic was on “ Are students aware of the resources on campus that can help students succeed”. A total of 168 students took the survey. The Resources were:
    - The Resource Center
    - Food Pantry
    - Student Health Services
    - Psychological Services
    - Tiger Bowls
    - Admissions Building
  - Supreme Court’s purpose was to find out if students are aware of these resources. If not, what can we do to improve/better this issue.
  - Results on this link:
 

<https://docs.google.com/forms/d/1r9xCWH8CPhFsBIeoBqhckf2nlmL050pt8gX3oEPrSHg/edit?ts=5dc9c4ad#responses>
- Parking Issues
  - ASRCC has been pushing for a parking counter since spring 2019. After ASRCC President, Angel Contreras, bringing the issue up to the Vice President of Business, Chip West, Chip finally proposed this Parking Meter Counter for the front of the COLlege to show how many spots are in the parking structure. This would help the students because they won’t waste their time finding parking their if there’s

only a small amount of parking. They would spend their time finding parking somewhere else.

- This is currently going through shared governance as a proposal. The proposal needs to be passed by Resource Development and Administration Services (RDAS). If this passes, it then moves up to Educational Planning and Oversight Committee (EPOC). If this passess, then we have our parking meter which will take full effect in spring 2020.
- Angel scheduled a meeting with Chip West to brainstorm ideas on how to help with the parking issue. They ended up with two options:
- Buy a lot outside of RCC for students to park and then have them shuttled to the main part of campus. The shuttle will be going all day long for students. This will be funded by Chip West to better the students.
- Use the biggest lot we have at RCC, which is a lot by Automotive, and have a Valet Service. Students would just drop off their cars to this valet and then the valet staff will stack the cars in this lot. Meaning park them as close together as possible to make more space available for more cars. This would also be funded by Chip West.

## Board of Trustees Regular Meeting (VI.A)

Meeting	November 19, 2019
Agenda Item	Human Resources & Employee Relations (VI.A)
Subject	Academic Personnel
College/District	District
Funding	N/A
Recommended Action	Recommend approving/ratifying the academic personnel actions.

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### Background Narrative:

Riverside Community College District, pursuant to the Board Policies, routinely makes academic personnel appointments and takes actions. The attached list of academic personnel actions are for the Board's approval/ratification.

Prepared By: Terri L. Hampton, Vice Chancellor, Human Resources & Employee Relations

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
HUMAN RESOURCES AND EMPLOYEE RELATIONS

Subject: Academic Personnel

Date: November 19, 2019

1. Appointments

Board Policy 2200 authorizes the Chancellor (or designee) to make an offer of employment to a prospective employee, subject to final approval by the Board of Trustees.

The Chancellor recommends approval for the following appointment(s) and authorizes the Vice Chancellor, Human Resources and Employee Relations to sign the employment contracts:

- a. Management Contract  
(None)
- b. Contract Faculty  
(None)
- c. Extra-Curricular, Academic Year 2019-20  
Additions/Changes to the list submitted/approved by the Board of Trustees on October 15, 2019.

<u>Name</u>	<u>Activity</u>	<u>Add/Change/Remove</u>
Moore, Eric	Assistant Coach, Cross Country	Remove 100%

2. Salary Reclassification

Board Policy 7160 establishes the procedures for professional growth and salary reclassification.

It is recommended the Board of Trustees grant a salary reclassification to the following faculty member(s) effective 12/01/19.

<u>Name</u>	<u>From Column</u>	<u>To Column</u>
Franco, Nicholas	E	F
Garcia, Richard	F	G
Hogan, Daniel	C	D

3. Salary Reclassification

Changes to the effective date of list submitted/approved by the Board of Trustees on October 15, 2019. The effective date is changed from 10/01/19 to 11/01/19.

It is recommended the Board of Trustees grant a salary reclassification to the following faculty member(s) effective 11/01/19.

<u>Name</u>	<u>From Column</u>	<u>To Column</u>
Render, Nicole	G	H
Whitton, Jude	D	E

4. Separation(s) – Resignation(s) and Retirement(s)

Board Policy 7350 authorizes the Chancellor to officially accept the resignation of an employee and the Chancellor has accepted the following resignation(s).

It is recommended the Board of Trustees approve the resignation of the individual(s) listed below:

<u>Name</u>	<u>Position Title</u>	<u>Last Day of Employment</u>
RESIGNATION(S)		
(None)		
RETIREMENTS(S)		
Briggs, Cordell	Professor, English	12/30/19
Brotherton, Catherine	Professor, Computer Information Systems	06/12/20
Carreras, Sofia	Professor, Dance	12/14/19
Gibbs, Travis	Professor, Psychology	06/29/20
Gobatie, Cynthia	Associate Professor, Philosophy	12/30/19
Honore, Cheryl	Professor, Accounting	06/12/20
Horn, Stephen	Professor, Art	12/14/19
Moncrieff, Melvin	Associate Professor, Nursing	12/29/19
Prior, Robert	Professor, Mathematics	06/12/20
Sternburg, Charles	Professor, Anatomy & Physiology	12/14/19
Stearns, Frank	Associate Professor, Accounting	12/30/19
Vincent, Eugenia	Dean, Student Services	12/30/19
Zwart, Gail	Professor, Business Administration	06/29/20

## Board of Trustees Regular Meeting (VI.B)

Meeting	November 19, 2019
Agenda Item	Human Resources & Employee Relations (VI.B)
Subject	Classified Personnel
College/District	District
Funding	N/A
Recommended Action	Recommend approving/ratifying the classified personnel actions.

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### Background Narrative:

Riverside Community College District, pursuant to the Board Policies, routinely makes classified personnel appointments and takes actions. The attached list of classified personnel actions are for the Board's approval/ratification.

Prepared By: Terri L. Hampton, Vice Chancellor, Human Resources & Employee Relations

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
HUMAN RESOURCES AND EMPLOYEE RELATIONS

Subject: Classified Personnel

Date: November 19, 2019

1. Appointments

Board Policy 2200 authorizes the Chancellor (or designee) to make an offer of employment to a prospective employee, subject to final approval by the Board of Trustees.

The Chancellor recommends the Board of Trustees approve/ratify the following appointments:

<u>Name</u>	<u>Position</u>	<u>Effective Date (On/After)</u>	<u>Contract/ Salary</u>	<u>Action</u>
a. Management/Supervisory				
DISTRICT				
Geraghty, John	Controller	11/20/19	Y-4	Appointment
Mohtasham, Mehran	Director, Capital Planning	11/01/19	W-4	Promotion
b. Management/Supervisory – Categorically Funded				
MORENO VALLEY COLLEGE				
Shaw, Unique	Outcomes Assessment Specialist	11/20/19	P-2	Appointment
c. Classified/Confidential				
DISTRICT				
Buitron, David	Institutional Research Specialist	11/20/19	O-3	Appointment
Lomas, Margaret	Public Affairs Officer	11/20/19	Q-5	Appointment
MORENO VALLEY COLLEGE				
Cruz, Peter	Customer Service Clerk (Part-Time, 47.5%)	11/20/19	E-1	Appointment
Lee, John	Instructional Department Specialist	11/20/19	K-2	Appointment
Oh, James	College Safety and Emergency Planning Coordinator	11/20/19	O-1	Appointment
NORCO COLLEGE				
Fragoso, Janett	Laboratory Technician II (Part-Time, 47.5%)	11/20/19	O-1	Appointment
Walcott, Mark	Library Clerk I (Part-Time, 12.5%)	11/23/19	E-1	Appointment
RIVERSIDE CITY COLLEGE				
Brown, Tyler	Maintenance Mechanic (Electrician)	11/20/19	L-1	Appointment



Subject: Classified Personnel

Date: November 19, 2019

1. Appointments

<u>Name</u>	<u>Position</u>	<u>Effective Date</u> <u>On/After)</u>	<u>Contract/ Salary</u>	<u>Action</u>
c. Classified/Confidential (Continued)				
RIVERSIDE CITY COLLEGE (Continued)				
Dean, Chancellor	Designer Technical Director	11/20/19	Q-3	Appointment
Johs, Jennifer	Cosmetology Clerk (Part-Time, 37.5%)	11/20/19	E-1	Appointment
Ybarra, Allyssa	Instructional Department Specialist	11/20/19	K-4	Promotion
Zelazo, Michael	Program Specialist, Fine and Performing Arts	11/20/19	G-3	Appointment
d. Classified/Confidential - Categorically Funded				
MORENO VALLEY COLLEGE				
Arriaga-Sosa, Graciela	Student Financial Services Outreach Specialist (Part-Time, 47.5%)	11/20/19	J-2	Appointment
Murray, Joseph	Career and Technical Education Laboratory Technician	11/20/19	K-1	Appointment
NORCO COLLEGE				
Sanchez, Patricia	Outreach Specialist	11/20/19	K-5	Transfer
RIVERSIDE CITY COLLEGE				
Hernandez, Rosalina	Educational Advisor	11/20/19	M-3	Transfer

2. Request(s) for Temporary Increase/Decrease in Workload

It is recommended the Board of Trustees approve the temporary increase/decrease in workload for the following individual(s). The request(s) have the approval of the College President(s).

<u>Name</u>	<u>Title</u>	<u>From/To Workload</u>	<u>Effective Date(s)</u>
Mason, Brianna	Customer Service Clerk	77.5% to 100%	11/13/19-06/30/20
Vargas, Brizeida	Customer Service Clerk	47.5% to 100%	11/13/19-06/30/20

3. Request(s) for Permanent Increase in Workload

It is recommended the Board of Trustees approve the permanent increase/decrease in workload for the following individual(s). The request(s) have the approval of the College President(s).

<u>Name</u>	<u>Title</u>	<u>From/To Workload</u>	<u>Effective Date(s)</u>
Laguna, Glenda	Job Placement Technician	40% to 45%	10/14/19

Subject: Classified Personnel

Date: November 19, 2019

4. Request to Rescind Appointment

At its meeting of October 15, 2019, the Board of Trustees approved the appointment of Agustin Ramirez, Interim Director, Veterans Resource Center – Norco College. After some consideration, Mr. Ramirez declined the District’s offer of employment.

It is recommended the Board of Trustees rescind the appointment of Agustin Ramirez, Interim Director, Veterans Resource Center – Norco College.

5. Separation(s) – Resignation(s) and/or Retirement(s)

Board policy 7350 authorizes the Chancellor to officially accept the resignation of an employee and the Chancellor has accepted the following resignation(s).

It is recommended the Board of Trustees approve/ratify the resignation of the individual(s) listed below:

<u>Name</u>	<u>Position</u>	<u>Last Date of Employment</u>
RESIGNATION(S)		
Carranza, Cesar	Foundation Administrative Technician	10/10/19
Jones, Abreesha	Counseling Clerk I	11/01/19
Krutsch, Shannyn	Marketing and Media Technician	11/22/19
Oatman, Sarah	Admissions and Records Operations Assistant	11/05/19
Vasquez, Fernando	Community Service Aide I	11/08/19
RETIREMENT(S)		
Bravo, Henry	IMC Manager	06/29/20
Castro, Pauline	Benefits Specialist	12/30/19
Dery, Donna	Support Center Technician	12/30/19
Douma, Paul	Custodian	12/29/19
Finch, Gilbert	Library Clerk I	12/30/19
Finney, Nathaniel	Application Support Technician	12/29/19
Grippin, Lorraine	Administrative Assistant II	12/30/19
Isaacs, Sandra	Administrative Assistant III	12/30/19
Leon, Christina	Support Center Technician	06/29/20
Myers, Linda	Facilities Administrative & Utilization Specialist	12/29/19
Palmer, Donna	Information Support Operator	10/31/19
Ponder, Jan	Instructional Department Specialist	06/29/20
Rodriguez, Jose	Custodian	12/30/19

## Board of Trustees Regular Meeting (VI.C)

Meeting	November 19, 2019
Agenda Item	Human Resources & Employee Relations (VI.C)
Subject	Other Personnel
College/District	District
Funding	N/A
Recommended Action	Recommend approving/ratifying the other personnel actions.

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### Background Narrative:

Riverside Community College District, pursuant to the Board Policies and Education Code requirements, routinely makes other personnel appointments such as hiring of non-classified substitute, short-term, professional expert, and student employees. The attached list of other personnel actions are for the Board's approval/ratification.

Prepared By: Terri L. Hampton, Vice Chancellor, Human Resources & Employee Relations

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
HUMAN RESOURCES AND EMPLOYEE RELATIONS

Subject: Other Personnel

Date: November 19, 2019

1. Substitute Assignments

Pursuant to Ed Code 88003, substitute assignments are made to allow the District time to recruit vacant positions or provide absence coverage. It is recommended that the Board of Trustees approve/confirm the substitute assignments indicated on the attached list.

2. Short-Term Positions

Pursuant to Ed Code 88003, a short-term employee is any person employed to perform a service for the District, upon the completion of which, the service required or similar services will not be extended or needed on a continuing basis. It is recommended that the Board of Trustees approve/confirm the short-term positions indicated on the attached list.

3. Full-Time Students Employed Part-Time and Part-Time Students Employed Part-Time on Work Study

Pursuant to Ed Code 88003, full-time students employed part-time and part-time students employed part-time on work study are hired on an hourly, as needed basis. It is recommended that the Board of Trustees approve/confirm the student worker positions indicated on the attached list.

SUBSTITUTE ASSIGNMENTS

<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
<b>MORENO VALLEY</b>				
McDaniel, Jennifer	Apprenticeship Director	Career and Technical Education	10/23/19-12/21/19	\$43.85
	Dental Education Center	Career and Technical		
Melendez, Yvette	Laboratory Assistant	Education	11/04/19-01/02/20	\$24.23
Morales, Diana	Laboratory Technician II	Dean of Instruction	11/20/19-06/30/20	\$33.22
<b>NORCO</b>				
Gloria, Calvin	College Receptionist	Enrollment Services	11/08/19-01/08/20	\$19.19
<b>RIVERSIDE</b>				
Banks, Ernest	Custodian	Facilities	10/31/19-06/30/20	\$19.19
Cruz, Clark	Custodian	Facilities	11/07/19-06/30/20	\$19.19
Dean, Chancellor	Designer Technical Director	Performing Arts	10/01/19-11/19/19	\$36.59
Thompson, Yvana	Student Activities Clerk	Student Life	11/08/19-01/06/20	\$23.01
Valderrama, Jose	Custodian	Facilities	11/5/19-06/30/20	\$19.19
Zelazo, Michael	Program Specialist, Fine and Performing Arts	Performing Arts	10/26/19-11/19/19	\$23.01

SHORT TERM ASSIGNMENTS

<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
<b>DISTRICT</b>				
		Economic		
Blount, Laycee	Conference Coordinator	Development	10/01/19-11/30/19	\$24.00
Neri, Genesis	Office Assistant IV	Accounting Services	10/16/19-06/30/20	\$14.00
<b>MORENO VALLEY</b>				
Garcia, Liliana	Student Activities Advisor	Student Services	11/20/19-06/30/20	\$13.45
Jaime, Elizabeth	Student Activities Advisor	Student Services	11/20/19-06/30/20	\$13.45
	Matriculation and	Veterans Resource		
Rocha, Alejandra	Educational Support Aide	Center	10/15/19-06/30/20	\$20.00
<b>NORCO</b>				
Soltero, Giselle	Activities Assistant	Student Services	11/20/19-06/12/20	\$12.00
<b>RIVERSIDE</b>				
		Fine and Performing		
Calva, Alec	Stage Technician IV	Arts	11/20/19-06/30/20	\$12.00

FULL-TIME STUDENTS EMPLOYED PART-TIME AND  
PART-TIME STUDENTS EMPLOYED PART-TIME ON WORK STUDY

<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
<u>DISTRICT FUNDS</u>				
MORENO VALLEY COLLEGE				
Elassi, Omar	Student Aide I	Math Lab	10/08/19	\$ 12.00
Hanna, Mark	Student Aide II	Tutorial Services	10/08/19	\$ 13.00
Holmes, Samantha	Student Aide I	Early Childhood Education	10/04/19	\$ 12.00
Sanchez, Juan	Student Aide I	Library	10/14/19	\$ 12.00
Velasquez, Tiffany	Student Aide II	Technology Support Services	10/14/19	\$ 13.00
Wojna, Alisha	Student Aide I	Early Childhood Education	11/06/19	\$ 12.00
NORCO COLLEGE				
Aggrey-Carthy, Joseph	Stuednt Aide III Color)		10/08/19	\$ 13.50
Arredondo, Phillip	Student Aide III	Student Services: Phoenix Scholars	10/08/19	\$ 12.50
Azada, Vincent	Student Aide I	Health Services	10/08/19	\$ 12.00
Bendini, Joao Vitor	Student Aide I	Student Life	09/24/19	\$ 12.00
Chaney-Pineda, David	Student Aide I	Student Life	10/17/19	\$ 12.00
Calderon, Jordan	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Cousseau Grazziotin, Joao Vitor	Student Aide I	Student Life	09/24/19	\$ 12.00
Gadalla, Sarah	Student Aide I	Student Life	10/17/19	\$ 12.00
Garcia, Jessica	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Garcia, Matthew	Student Aide III	AHWL/Music	10/08/19	\$ 14.00
Kieffer, Logan	Student AideII	Administration of Justice	10/08/19	\$ 13.75
Jimenez, Edgar	Student Aide III	Tutorial Services	09/11/19	\$ 14.00
Leonard, Delaney	Student Aide II	Administration of Justice	10/08/19	\$ 13.75
Luna, Brenda	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Malone, Starla	Student Aide II	BEIT	10/08/19	\$ 13.00
Medina, Bryan	Student Aide I	Student Life	10/17/19	\$ 12.00
Mesias, Marlon Jay	Student Aide III	Grants and Equity Initiatives	09/11/19	\$ 13.50
Miranda, Alice	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Newton, Bonnie	Student Aide I	Trio, Upward Bound	10/21/19	\$ 12.00
Parekh, Kulsum	Student Aide III	Supplemental Instruction	08/19/19	\$ 14.00
Reynoso, Darline	Ed. Assistant	Art Gallery	10/17/19	\$ 13.00
Silvestre, Cynthia	Student Aide I	Student Life	10/17/19	\$ 12.00
Sousa Santos, Marcos Paulo	Student Aide I	Student Life	09/24/19	\$ 12.00
Tucker, Tiara	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Ulian Carnesella, Leonardo	Student Aide I	Student Life	09/24/19	\$ 12.00
Uppal, Krishma	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Vasquez, Cristian	Student Aide II	Learning Resource Center	09/24/19	\$ 13.00
Vasquez-Bonilla, Julio	Student Aide I	Trio, Upward Bound	10/08/19	\$ 12.00

FULL-TIME STUDENTS EMPLOYED PART-TIME AND  
PART-TIME STUDENTS EMPLOYED PART-TIME ON WORK STUDY

Backup Other Personnel  
November 19, 2019  
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<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
<b>RIVERSIDE CITY COLLEGE</b>				
Aikens, Donovan	Student Aide I	EOPS	10/14/19	\$ 12.00
Alvarado, Alexa	Student Aide I	Academic Support	10/02/19	\$ 12.00
Amial, Gabriela	Student Aide I	Writing and Reading Center	10/22/19	\$ 12.00
Ardon Solano, Erick	Student Aide I	Math Learning Center	10/14/19	\$ 12.00
Armbruster, Gabriel	Student Aide I	Health Services	10/14/19	\$ 12.00
Baig, Kasibah	Student Aide I	Academic Support	10/02/19	\$ 12.00
Barnum, Joseph	Student Aide I	Academic Support	10/14/19	\$ 12.00
Bracamontes, Joshua	Student Aide I	Performing Arts / Music	11/01/19	\$ 12.00
Correa, Denisse	Student Aide I	Writing and Reading Center	10/22/19	\$ 12.00
D'Hoy Mendoza, Jose	Student Aide I	Tutorial Services	10/14/19	\$ 12.00
Escobar, Javier	Student Aide I	Tutorial Services	10/02/19	\$ 12.00
Griffith, Karissa	Student Aide I	Career and Technical Education	10/23/19	\$ 12.00
Henschel, Clayton	Student Aide I	Math Learning Center	*08/20/19	\$ 12.00
Lopez, Samantha	Student Aide I	Math Learning Center	10/14/19	\$ 12.00
Madrigal, Andrew	Student Aide II	Counseling / Puente Program Business Administration / Information	10/14/19	\$ 13.00
Melendrez, Vincent	Student Aide I	Systems and Technology	10/14/19	\$ 12.00
Mendoza, Amy	Student Aide I	Performing Arts / Music	10/18/19	\$ 12.00
Moyer, Steven	Student Aide I	Tutorial Services	10/02/19	\$ 12.00
Navarro, Briana	Student Aide I	Early Childhood Education	10/24/19	\$ 12.00
Nguyen, Nogoc Anh Thu	Student Aide II	Disability Resource Center / TRIO	10/02/19	\$ 13.00
Nze Mba, Kevin	Student Aide I	Tutorial Services	10/02/19	\$ 12.00
Phan, Thanh Huong Thuy	Student Aide II	Disability Resource Center / TRIO	10/14/19	\$ 13.00
Reighard, Delaney	Student Aide I	Math Learning Center	10/14/19	\$ 12.00
Reyes, Nayeli	Student Aide I	Health Services	10/14/19	\$ 12.00
Ricks, Monet	Student Aide I	Performing Arts / Music	11/01/19	\$ 12.00
Sanchez, Joel	Student Aide I	Tutorial Services	10/14/19	\$ 12.00
Sorenson, Jordan	Student Ade III	Business Information Systems and Technology / Cyber Security	10/01/19	\$ 14.75
Torchia, Isaac	Student Ade III	Business Information Systems and Technology / Cyber Security	11/01/19	\$ 14.75
Tostado, Jemina	Student Aide I	Writing and Reading Center	10/22/19	\$ 12.00
Vasquez, Audry	Student Aide II	Disability Resource Center / TRIO	10/02/19	\$ 13.00
Villafuerte Santiago, Anahi	Student Aide I	Tutorial Services	10/02/19	\$ 12.00

CATEGORICAL FUNDS

**CALWORKS WORK STUDY**

Cue, Jeniffer	Student Aide I	Workforce Prepartion-MVC	10/22/19	\$ 12.00
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FULL-TIME STUDENTS EMPLOYED PART-TIME AND  
PART-TIME STUDENTS EMPLOYED PART-TIME ON WORK STUDY

Backup Other Personnel  
November 19, 2019  
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<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
<b>COMMUNITY SERVICE PROGRAM</b>				
Bell, Sophia	Student Aide II	UCR ARTSBlock - RCC	11/01/19	\$ 13.00
Contreras, Maria	Student Aide IV	City of Riverside Human Resources - RCC	10/23/19	\$ 15.50
Flores, Jennifer	Student Aide III	RCC	10/23/19	\$ 14.75
Gabr, Nihad	Student Aide IV	City of Riverside Communications - RCC	10/18/19	\$ 15.50
Gray, Madison	Student Aide II	City of Riverside Arlington Library - RCC	10/28/19	\$ 13.75
Hale, Tania	Student Aide IV	City of Riverside Public Works - RCC	10/16/19	\$ 15.50
Hernandez, Valeria	Student Aide IV	City of Riverside Human Resources - RCC	10/18/19	\$ 15.50
Nemeth, Daniel	Student Aide V	RCC	10/29/19	\$ 16.00
Ordonez, Angel	Student Aide II	RCC	10/18/19	\$ 13.50
Orozco, Janell	Student Aide IV	Tomas Rivera Middle School - MVC	11/06/19	\$ 15.00
Ortega, Emely	Student Aide IV	City of Riverside Human Resources - RCC	10/29/19	\$ 15.50
Pascual, Claudia	Student Aide V	RCC	10/29/19	\$ 16.00
Perez, Jesus	Student Aide II	City of Riverside Marcy Library - RCC	11/04/19	\$ 13.50
Rangel, Christianna	Student Aide III	RCC	11/04/19	\$ 14.50
Rivers, Helena	Student Aide I	Knotts Family Agency-Calworks MVC	10/16/19	\$ 12.75
Romero, Sarah	Student Aide III	City of Riverside Human Resources - RCC	10/24/19	\$ 14.50
San, Thiri Myat	Student Aide V	RCC	10/24/19	\$ 16.00
Sison Jr., Ferdinand	Student Aide II	My Learning Studio - RCC	10/16/19	\$ 13.00
Sizemore, Kristin	Student Aide II	City of Riverside Fire Department - RCC	10/24/19	\$ 13.50
Williamson, Kimberly	Student Aide I	Knotts Family Agency-Calworks MVC	10/16/19	\$ 12.75
<b>AMERICA COUNTS</b>				
Hidalgo, Lauren	Student Aide II	My Learning Studio - RCC	11/04/19	\$ 13.00
<b>MORENO VALLEY COLLEGE</b>				
Barragan, Yvette	Student Aide I	Human Arts and Social Services	10/16/19	\$ 12.75
Eligio, Hector	Student Aide I	Human Arts and Social Services	10/16/19	\$ 12.75
<b>NORCO</b>				
Hapashe, Mary	Student Aide I	Library	09/05/19	\$ 12.00
Hermosillo, Angelica	Student Aide I	Food Services	09/18/19	\$ 12.00
Hermosillo, Brianna	Student Aide I	Food Services	09/18/19	\$ 12.00
Lopez, Rafael	Student Aide I	Transfer Center	10/17/19	\$ 12.00
Martinez, Natalie	Student Aide I	Veteran's Office	09/18/19	\$ 12.00
Masih, Anisha	Student Aide I	Student Financial Services	09/03/19	\$ 12.00
Munoz, Paris	Student Aide I	Disability Resource Center	10/17/19	\$ 12.00
Shrivers, Deja	Student Aide I	Veteran's Office	09/18/19	\$ 12.00
Thaxton, Travon	Student Aide I	Veteran's Office	09/05/19	\$ 12.00
Torres, Jocelyn	Student Aide II	Counseling (Puente)	09/18/19	\$ 13.00
Valencia, Victoria	Student Aide I	Student Financial Services	09/18/19	\$ 12.00

FULL-TIME STUDENTS EMPLOYED PART-TIME AND  
PART-TIME STUDENTS EMPLOYED PART-TIME ON WORK STUDY

<u>NAME</u>	<u>POSITION</u>	<u>DEPARTMENT</u>	<u>DATE</u>	<u>RATE</u>
RIVERSIDE CITY COLLEGE				
Aguilar III, Timothy	Student Aide II	Art Gallery	10/23/19	\$ 13.00
Click, Mark	Student Aide II	CAADO	10/23/19	\$ 13.00
Ford, Morgan	Student Aide II	CAADO	10/23/19	\$ 13.00
Gayle, Leasia	Student Aide I	Kinesiology / Women's Basketball	10/16/19	\$ 12.00
Hess, Ivan	Student Aide III	Center for International Students	10/16/19	\$ 14.00
Oliver, Taylor	Student Aide IV	Life Sciences	10/16/19	\$ 15.00
Vasquez, Trinity	Student Aide I	Kinesiology / Women's Basketball	10/28/19	\$ 12.00

\*REVISED

## Board of Trustees Regular Meeting (VI.D)

Meeting	November 19, 2019
Agenda Item	Purchase Order and Warrant Report - All District Resources (VI.D)
Subject	Purchase Order and Warrant Report - All District Resources
College/District	District
Funding	Various Resources
Recommended Action	Recommend approving/ratifying the Purchase Orders and Purchase Order Additions totaling \$5,470,316, and District Warrant Claims totaling \$13,802,813.

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### Background Narrative:

The attached Purchase Order and Warrant Report – All District Resources is submitted to comply with Education Code Sections 81656 and 85231. The Purchase Orders and Purchase Order Additions, totaling \$5,470,316 requested by staff and issued by the District Business Office have been reviewed to verify that budgeted funds are available in the appropriate categories of expenditure.

District Warrant Claims (numbers 308956 - 310694) totaling \$13,802,813, paid against approved Purchase Orders, have been reviewed by the Business Office to verify that monies are available in the appropriate funds for payment of these warrants. These claims also have been reviewed, on a sample basis, by the Riverside County Office of Education through its claim audit process.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Majd S. Askar, Director, Business and Financial Services

Report of Purchases - All District Resources  
Purchases Over \$92,600  
10/01/16 thru 10/31/16

PO#	Department	Vendor	Description	Amount
C0006632	Facilities Planning & Development	J. Glenna Construction, Inc.	Accessible Parking Stall Improvements Bid Award	\$ 107,400
C0006633	Career and Technical Ed Projects	Chaffey Community College District	RCCD is Fiscal Agent for K-12 Strong Workforce Program	674,821
C0006635	Career and Technical Ed Projects	San Bernardino City Unified School District	RCCD is Fiscal Agent for K-12 Strong Workforce Program	368,175
C0006638	Facilities - Moreno Valley	Hinkley and Associates, Inc	Elevator Modernization Bid Award	868,886
C0006640	Information Technology & Learning Services	Nuventive, LLC	Assessment Management Software System Sole Source	446,954
C0006654	Facilities Planning & Development	Cinbad Industry Inc.	Site Accessibility Improvements Bid Award	93,700
<b>Additions to Approved/Ratify Purchase Orders of \$92,600 and Over</b>				
C0005509	Human Resources & Diversity	Koff & Associates	Consultants	93,525
C0006033	Academy / Criminal Services	Riverside County	Copier Lease & Maintenance	652,600
			<b>Total</b>	<u>\$3,306,061</u>
			All Purchase Orders, Contracts, and Additions for the Period of 10/1/19 - 10/31/19	
			Contracts C6623 - C6656	750,254
			Contract Additions C5509 - C6033	
			Purchase Orders P75960 - P76438	1,333,327
			Purchase Order Additions P74192 - P75816	
			Blanket Purchase Orders B18746 - B18773	80,674
			Blanket Purchase Order Additions B17940 - B18694	
			<b>Total</b>	<u>\$2,164,255</u>
			<b>Grand Total</b>	<u><u>\$5,470,316</u></u>

## Board of Trustees Regular Meeting (VI.E)

Meeting	November 19, 2019
Agenda Item	Budget Adjustments (VI.E)
Subject	Budget Adjustments
College/District	District
Funding	Various Resources
Recommended Action	Recommend approving the budget transfers as presented.

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### Background Narrative:

The 2019-20 adopted budget represents our best estimates of both income and expenditures. As the year progresses, however, some accounts have surplus funds while others are under budgeted. As provided in Title 5, Section 58307, the Board of Trustees may approve budget transfers between major object code expenditure classifications within the approved budget to allow for needed purchases of supplies, services, equipment and hiring of personnel. Unless otherwise noted, the transfers are within the unrestricted General Fund (Fund 11, Resource 1000).

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Majd S. Askar, Director, Business Services

## Budget Adjustments November 19, 2019

	<u>Program</u>	<u>Account</u>	<u>Amount</u>
<u>Riverside</u>			
R1.	Transfer to purchase textbooks for students. (Fund 12, Resource 1190)		
	From: Workforce Preparation	Professional Services	\$ 15,000
	To: Workforce Preparation	Book Grants	\$ 15,000
R2.	Transfer to repair laptops that are loaned to CalWORKs students each semester. (Fund 12, Resource 1190)		
	From: Workforce Preparation	Repair Parts	\$ 500
	To: Workforce Preparation	Repair Services	\$ 500
R3.	Transfer to realign expenditures for supplies and operating expenses for the 2019-20 academic year. (Fund 12, Resource 1190)		
	From: Academic Affairs	Administrative Contingency	\$ 10,936
	To: Academic Affairs	Supplies	\$ 4,600
		Food	6,000
		Surveys	336
R4.	Transfer to provide for printer maintenance supplies. (Fund 12, Resource 1190)		
	From: Academic Affairs	Administrative Contingency	\$ 2,871
	To: Academic Affairs	Maintenance Supplies	\$ 2,871
R5.	Transfer to purchase printer. (Fund 12, Resource 1190)		
	From: Academic Affairs	Administrative Contingency	\$ 1,500
	To: Academic Affairs	Equipment	\$ 1,500

	<u>Program</u>	<u>Account</u>	<u>Amount</u>
R6.	Transfer to purchase instructional supplies. (Fund 12, Resource 1190)		
	From: World Languages	Professional Services	\$ 5,466
	To: World Languages	Instructional Supplies	\$ 5,466
R7.	Transfer to provide one-time support funding to Counseling Student Workers. (Fund 12, Resource 1190)		
	From: Allied Health	Food	\$ 6,000
	To: Allied Health	Student Help – Non-Instr	\$ 6,000
R8.	Transfer to align funds for the Basic Skills grant. (Fund 12, Resource 1190)		
	From: Student Success & Support Program	Classified FT	\$ 48,700
	To: Academic Affairs	Conferences	\$ 12,000
	English and Media Studies	Conferences	3,000
	Mathematics	Conferences	7,000
	Student Success & Support Program	Conferences	100
	Academic Affairs	Other Services	6,600
	Mathematics	Other Services	20,000
R9.	Transfer to provide instructional supplies for Student Association of Interpreters for the Deaf. (Fund 12, Resource 1190)		
	From: World Languages	Professional Services	\$ 5,025
	To: World Languages	Instructional Supplies	\$ 5,025
R10.	Transfer to purchase a web cam and a membership. (Fund 33, Resource 3300)		
	From: Early Childhood Studies	Office Supplies	\$ 92
	To: Early Childhood Studies	Comp Software Maint/ Lic	\$ 67
		Memberships	25

<u>Program</u>	<u>Account</u>	<u>Amount</u>
R11. Transfer to realign the Mental Health Services grant to provide for salaries and to purchase office supplies. (Fund 12, Resource 1190)		
From: Health Services	Other Services	\$ 44,774
	Lecturers	10,000
	Conferences	2,300
	Professional Services	2,000
	Postage	2,000
To: Health Services	Classified Perm PT	\$ 14,800
	Short-Term Temporary	30,608
	Employee Benefits	5,666
	Office Supplies	10,000
R12. Transfer to provide for an external evaluator, conferences, copying and printing. (Fund 12, Resource 1190)		
From: Life Science	Classified FT	\$ 25,909
To: Life Science	Consultants	\$ 19,921
	Conferences	5,700
	Copying and Printing	288
R13. Transfer to purchase tablets. (Fund 12, Resource 1190)		
From: Student Financial Services	License Fees	\$ 2,037
To: Student Financial Services	Equipment	\$ 2,037
R14. Transfer to purchase office supplies.		
From: Institutional Effectiveness	Administrative Contingency	\$ 1,000
To: Institutional Effectiveness	Supplies	\$ 1,000



<u>Program</u>	<u>Account</u>	<u>Amount</u>
R15. Transfer to provide for Concur travel implementation services, elevator floor repair, tree trimming, office furniture and a new television monitor.		
From: VP, Business Services	Academic FT Administrator - Salary Savings	\$ 31,529
To: VP, Business Services Facilities	Professional Services Repair Services Other Services Equipment Computer Equipment	\$ 12,365 3,245 6,400 8,263 1,256
R16. Transfer to provide for Concur onsite training, de-scaling the Wheelock water line, moving the theater lights, architects fees and to purchase a trash compactor and repair parts.		
From: VP, Business Services	Classified FT – Salary Savings	\$ 54,012
To: Facilities	Repair Parts Professional Services Repair Services Other Services Architects Fees Fixtures and Fixed Equipment	\$ 11,600 1,416 8,050 24,064 6,520 2,362
R17. Transfer to provide for post-season athletics student travel.		
From: VP, Business Services	Classified FT - Salary Savings	\$ 11,694
To: Athletics	Student Travel	\$ 11,694
R18. Transfer to purchase eight new parking machines.		
From: VP, Business Services	Administrative Contingency	\$ 87,690
To: VP, Business Services	Equipment	\$ 87,690

<u>Program</u>	<u>Account</u>	<u>Amount</u>
R19. Transfer to provide for a conference and cell phone services.		
From: VP, Business Services	Supplies	\$ 2,207
To: Dean, Student Life	Conferences Cellular Telephone	\$ 1,250 957
R20. Transfer to provide for tree trimming services.		
From: Facilities	Repair Parts	\$ 5,183
To: Facilities	Other Services	\$ 5,183
R21. Transfer to purchase a new printer.		
From: Admissions and Records	Copying and Printing	\$ 462
To: Admissions and Records	Computer Equipment	\$ 462
R22. Transfer to purchase welding and computer equipment.		
From: Applied Technology - Welding	Instructional Aids	\$ 5,332
To: Applied Technology – Welding	Equipment Computer Equipment	\$ 5,132 200
R23. Transfer to provide for repair services.		
From: Applied Technology	Office Supplies	\$ 1,671
To: Applied Technology	Repair Services	\$ 1,671
R24. Transfer to provide for automotive charging station software renewal. (Fund 12, Resource 1050)		
From: Facilities	Construction	\$ 747
To: Facilities	Comp Software Maint/Lic	\$ 747

<u>Program</u>	<u>Account</u>	<u>Amount</u>
R25. Transfer to provide for books, software maintenance and licensing. (Fund 12, Resource 1190)		
From: VP, Academic Affairs	Instructional Supplies	\$ 95,479
To: Geography Library	Com Software Maint/Lic Books/New & Expd Library	\$ 3,000 92,479
R26. Transfer to provide for faculty travel. (Fund 12, Resource 1190)		
From: Allied Health	Equipment	\$ 5,000
To: Allied Health	Conferences	\$ 5,000
R27. Transfer to purchase laptop computers. (Fund 12, Resource 1190)		
From: Academic Affairs	Administrative Contingency	\$ 3,500
To: Academic Affairs	Equipment	\$ 3,500
R28. Transfer to adjust the Strong Workforce Program budget. (Fund 12, Resource 1190)		
From: Career and Technical Education	Equipment	\$ 28,300
Information Systems Technology	Supplies	17,000
Applied Technology	Equipment	49,708
Allied Health	Equipment	10,200
To: Career and Technical Education	Other Services	\$ 500
Information Systems Technology	Comp Software Maint/Lic	2,000
Applied Technology	Comp Software Maint/Lic.	1,500
	Equipment	41,300
Behavioral Science	Equipment	16,708
Allied Health	Repairs	1,800
	Conferences	2,000
	Equipment Replacement	10,200
	Equipment	29,200

<u>Program</u>	<u>Account</u>	<u>Amount</u>
R29. Transfer to purchase office supplies and provide catering.		
From: Academic Affairs	Administrative Contingency	\$ 2,500
To: Academic Affairs	Supplies	\$ 1,000
	Food	1,500

Norco

N1. Transfer to purchase supplies and provide for advertising.

From: Strategic Development	Equipment	\$ 4,600
To: Strategic Development	Supplies	\$ 3,000
	Advertising	1,600

N2. Transfer to provide for engineering fees for an amphitheater shade structure, speaker replacement, and food.

From: Business Operations	Administrative Contingency	\$ 30,153
To: Facilities	Engineering	\$ 26,900
Auxiliary Business Services	Fixtures & Fixed Equip	2,853
Professional Development	Food	400

N3. Transfer to provide for the Center for Applied and Competitive Technologies building fumigation, feasibility study for the Ingalls Hall renovation, and classified full-time salaries.

From: Facilities	Supplies	\$ 15,406
	Construction Contract	5,426
To: Facilities	Other Services	\$ 5,426
Business Operations	Professional Services	4,588
	Administrative Contingency	3,473
Admissions & Records	Classified FT	6,603
	Employee Benefits	742

	<u>Program</u>	<u>Account</u>	<u>Amount</u>
N4.	Transfer to provide for cloud-based scheduling platform consultants and an academic special project.		
	From: Educational Services	Instructional Supplies	\$ 23,482
	To: Educational Services	Consultants Academic Special Project	\$ 22,500 982
N5.	Transfer to purchase supplies.		
	From: Arts, Humanities & Social/Behav Sci	Academic Special Project Conferences	\$ 100 98
	To: Arts, Humanities & Social/Behav Sci	Supplies	\$ 198
N6.	Transfer to provide for an academic special project.		
	From: Library	Student Help – Non-Instr	\$ 3,700
	To: Library	Academic Special Project	\$ 3,700
N7.	Transfer to provide for conferences.		
	From: Student Financial Services	Supplies	\$ 1,825
	To: Student Financial Services	Conferences	\$ 1,825
N8.	Transfer to provide for short-term temporary salaries.		
	From: Athletics	Other Services	\$ 2,094
	To: Athletics	Short-Term Temporary Employee Benefits	\$ 2,000 94

<u>Program</u>	<u>Account</u>	<u>Amount</u>
N9. Transfer to provide for facility rental for the Norco's Community Partnership & Workforce Development Program and to purchase supplies and a printer. (Fund 12, Resource 1190)		
From: Strategic Development	Academic FT Administrator	\$ 32,979
	Classified Perm PT	30,000
	Employee Benefits	20,000
To: Strategic Development	Rents and Leases	\$ 79,613
	Supplies	2,798
	Equipment	568
N10. Transfer to purchase a benchtop spectrometer, computers and to provide for employee benefits. (Fund 12, Resource 1190)		
From: President	Academic FT Administrator	\$ 124,121
	Classified Perm PT	65,743
	Instructional Supplies	28,589
	Other Services	12,000
	Transportation	8,684
To: Science and Kinesiology	Equipment	\$ 238,733
	Employee Benefits	404
N11. Transfer to provide for street sweeping. (Fund 12, Resource 1050)		
From: Safety & Police	Construction Contract	\$ 7,920
To: Safety & Police	Other Services	\$ 7,920
N12. Transfer to provide for copying and printing. (Fund 12, Resource 1190)		
From: Strong Workforce Regional	Postage	\$ 1,000
	Mileage	1,333
	Meeting Expenses	1,827
	Conferences	833
To: Strong Workforce Regional	Copying and Printing	\$ 4,993

<u>Program</u>	<u>Account</u>	<u>Amount</u>
N13. Transfer to provide for employee benefits. (Fund 12, Resource 1190)		
From: Strong Workforce Regional	Classified FT	\$ 7,265
To: Strong Workforce Regional	Employee Benefits	\$ 7,265

Moreno Valley

M1. Transfer to cover oven repair costs. (Fund 32, Resource 3200)		
From: Food Services	Food	\$ 7,000
To: Food Services	Repairs	\$ 7,000

M2. Transfer to purchase supplies and to provide for a membership.		
From: Academic Senate	Classified Overtime Employee Benefits	\$ 1,168 39
To: Academic Senate	Supplies Memberships	\$ 911 296

M3. Transfer to purchase instructional supplies. (Fund 12, Resource 1190)		
From: CalWORKs	Academic PT Non-Instr	\$ 600
To: CalWORKs	Instructional Supplies	\$ 600

M4. Transfer to purchase a cleaning caddy.		
From: Custodial Services	Custodial Supplies	\$ 2,567
To: Custodial Services	Equipment	\$ 2,567

<u>Program</u>	<u>Account</u>	<u>Amount</u>
M5. Transfer to purchase repair parts.		
From: Dental Assisting	Repairs	\$ 520
To: Dental Assisting	Repair Parts	\$ 520
M6. Transfer to purchase supplies.		
From: Dean of Instruction	Mileage	\$ 142
To: Dean of Instruction	Supplies	\$ 142
M7. Transfer to purchase supplies, copying and printing, and the moving and storage of walls and pedestals for pop-up exhibits.		
From: Library	Library Subscriptions	\$ 8,000
To: Art Gallery	Copying and Printing	\$ 320
	Supplies	680
	Other Services	7,000
M8. Transfer to provide for library subscriptions. (Fund 12, Resource 1190)		
From: Lottery	Instructional Supplies	\$ 1,477
To: Lottery	Library Subscriptions	\$ 1,477
M9. Transfer to provide for mileage, memberships, and cellular telephone service.		
From: Counseling	Student Help – Non-Instr	\$ 514
To: Counseling	Mileage	\$ 100
	Memberships	100
	Cellular Telephone	314



<u>Program</u>	<u>Account</u>	<u>Amount</u>
M10. Transfer to provide for classified permanent and short-term temporary salaries. (Fund 12, Resource 1190)		
From: Student Financial Aid – Capacity	Copying and Printing	\$ 8,669
To: Student Financial Aid – Capacity	Classified FT	\$ 5,669
	Short-Term Temporary	3,000
M11. Transfer to purchase reference books, instructional supplies, and food. (Fund 12, Resource 1190)		
From: TRIO Talent Search	Postage	\$ 3,000
	Travel Expenses	12,000
	Equipment	2,000
To: TRIO Talent Search	Reference Books	\$ 2,000
	Instructional Supplies	13,000
	Food	2,000
M12. Transfer to provide for rent and to purchase desks, chairs, a computer, and a laptop.		
From: Advanced Officer Training	Instructional Supplies	\$ 12,000
Fire Technology	Instructional Supplies	10,842
Public Services & Criminal Justice	Supplies	3,100
Police Academy	Copying and Printing	750
Admissions and Records	Supplies	300
Administration of Justice	Copying and Printing	695
To: Police Academy	Rents and Leases	\$ 9,434
Advanced Officer Training	Equipment	12,019
Police Academy	Equipment	6,234

District Office and District Support Services

D1. Transfer to purchase a printer.

From: Foundation	Repairs	\$ 250
To: Foundation	Equipment	\$ 250

<u>Program</u>	<u>Account</u>	<u>Amount</u>
D2. Transfer to purchase a computer.		
From: Grants	Periodicals/Magazines	\$ 1,071
To: Grants	Equipment	\$ 1,071
D3. Transfer to purchase computers.		
From: Institutional Effectiveness	Supplies	\$ 4,700
To: Institutional Effectiveness	Equipment	\$ 4,700
D4. Transfer to purchase supplies.		
From: Facilities Planning	Equipment	\$ 127
To: Facilities Planning	Supplies	\$ 127
D5. Transfer to provide for short-term temporary salaries and to purchase a laptop.		
From: Distance Education	License Fees	\$ 55,511
To: Distance Education	Short-Term Temporary Equipment	\$ 53,600 1,911
D6. Transfer to purchase a laptop.		
From: IS Administration	Repairs	\$ 2,715
To: IS Administration	Equipment	\$ 2,715
D7. Transfer to purchase supplies and software. (Fund 12, Resource 1050)		
From: Safety & Police	Other Services	\$ 1,367
To: Safety & Police	Supplies Software	\$ 643 724

	<u>Program</u>	<u>Account</u>	<u>Amount</u>
D8.	Transfer to purchase instructional supplies, supplies, and a computer. (Fund 12, Resource 1190)		
	From: Perkins	Conferences	\$ 503
		Administrative Contingency	2,500
	To: Perkins	Instructional Supplies	\$ 376
		Supplies	2,000
		Equipment	627
D9.	Transfer to purchase computer software and maintenance license. (Fund 12, Resource 1180)		
	From: Business & Financial Services	Equipment	\$ 565,000
	To: Information Services	Comp Software Maint/Lic	\$ 565,000

## Board of Trustees Regular Meeting (VI.F)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.F)
Subject	Resolution to Amend Budget Resolution No. 18-19/20 2019-20 Strong Workforce Program
College/District	Riverside City College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$19,430 to the budget.

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### Background Narrative:

The Riverside Community College District's Riverside City College has received additional funding for the 2019-2020 Strong Workforce Program in the amount of \$19,430 from the California Community Colleges Chancellor's Office. The funds will be used for supplies and other operating expenses.

Prepared By: Gregory Anderson, President (Riverside City College)  
Carol Farrar, Vice President, Academic Affairs (Riverside City College)  
Kristine DiMemmo, Dean of Instruction, CTE (Riverside City College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 18-19/20

2019-20 Strong Workforce

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$19,430 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
 INCOME & EXPENDITURES - BUDGET AMENDMENT  
 Resolution No. 18-19/20  
 2019-2020 Strong Workforce

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	D00	1190	0	0000	0344	8659	19,430 00	REVENUE
12	DJC	1190	0	6010	0344	5890	19,430 00	EXPENDITURES
							19,430 00	TOTAL REVENUE
							19,430 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.G)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.G)
Subject	Resolution to Amend Budget Resolution No. 19-19/20 – 2019-2020 STEM En Familia
College/District	Riverside City College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$198,690 to the budget.

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### Background Narrative:

The Riverside Community College District's Riverside City College has received additional funding for the 2019-2020 STEM En Familia Grant in the amount of \$198,690 from the Department of Education. The funds will be used for supplies and other operating expenses.

Prepared By: Gregory Anderson, President (Riverside City College)  
Carol Farrar, Vice President, Academic Affairs (Riverside City College)  
Virginia White, Professor Biology, Life Science (Riverside City College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 19-19/20

2019-2020 STEM En Familia Grant

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$198,690 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent



**RIVERSIDE COMMUNITY COLLEGE DISTRICT**  
**INCOME & EXPENDITURES - BUDGET AMENDMENT**  
 Resolution No. 19-19/20  
 2019-2020 STEM En Familia Grant

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount		Object Code Description
12	D00	1190	0	0000	0328	8190	198,690	00	REVENUE
									EXPENDITURES
12	DQB	1190	0	6013	6328	4590	33,070	00	Supplies
12	DQB	1190	0	6013	6328	5890	165,620	00	Other Services
							198,690	00	TOTAL REVENUE
							198,690	00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.H)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.H)
Subject	Resolution to Amend Budget Resolution No. 20-19/20 – 2019-2020 Upward Bound TRIO- Patriot HS Grant
College/District	Riverside City College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$30,037 to the budget.

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### Background Narrative:

The Riverside Community College District's Riverside City College has received additional funding for the 2019-2020 Upward Bound TRIO- Patriot HS Grant in the amount of \$30,037 from the Department of Education. The funds will be used for supplies and other operating expenses.

Prepared By: Gregory Anderson, President (Riverside City College)  
FeRita Carter, Vice President, Student Services (Riverside City College)  
Jose Diaz, Director, TRIO Programs (Riverside City College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 20-19/20

2019-2020 Upward Bound TRIO- Patriot HS Grant

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$30,037 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

**RIVERSIDE COMMUNITY COLLEGE DISTRICT**  
**INCOME & EXPENDITURES - BUDGET AMENDMENT**  
 Resolution No. 20-19/20  
 2019-2020 Upward Bound TRIO- Patriot HS Grant

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	D00	1190	0	0000	0041	8120	30,037 00	REVENUE
								EXPENDITURES
12	DZG	1190	0	6450	0041	4710	8,037 00	Food
12	DZG	1190	0	6450	0041	5219	10,500 00	Other Travel
12	DZG	1190	0	6450	0041	5910	11,500 00	Indirect Charges
							30,037 00	TOTAL REVENUE
							30,037 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.I)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.I)
Subject	Resolution to Amend Budget Resolution No. 21-19/20 – 2019-2020 Upward Bound TRIO- Jurupa Valley Grant
College/District	Riverside City College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$31,538 to the budget.

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### Background Narrative:

The Riverside Community College District's Riverside City College has received additional funding for the 2019-2020 Upward Bound TRIO- Jurupa Valley Grant in the amount of \$31,538 from the Department of Education. The funds will be used for supplies and other operating expenses.

Prepared By: Gregory Anderson, President (Riverside City College)  
FeRita Carter, Vice President, Student Services (Riverside City College)  
Jose Diaz, Director, TRIO Programs (Riverside City College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 21-19/20

2019-2020 Upward Bound TRIO- Jurupa Valley Grant

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$31,538 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
 INCOME & EXPENDITURES - BUDGET AMENDMENT  
 Resolution No. 21-19/20  
 2019-2020 Upward Bound TRIO- Jurupa Valley Grant

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	D00	1190	0	0000	0042	8120	31,538 00	REVENUE
								EXPENDITURES
12	DZG	1190	0	6450	0042	5219	15,000 00	Other Travel
12	DZG	1190	0	6450	0042	5220	1,538 00	Travel
12	DZG	1190	0	6450	0042	5890	10,000 00	Student Stipends
12	DZG	1190	0	6450	0041	5910	5,000 00	Indirect Charges
							31,538 00	TOTAL REVENUE
							31,538 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.J)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.J)
Subject	Resolution to Amend Budget Resolution No. 22-19/20 – 2019-2020 Student Support Services Trio Grant
College/District	Norco College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$21,815 to the budget.

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### Background Narrative:

The Riverside Community College District's Norco College has received additional funding for the 2019-2020 Student Support Services Trio Grant in the amount of \$21,815 from the U.S. Department of Education. The funds will be used for other operating expenses.

Prepared By: Monica Green, Interim President (Norco College)  
Kaneesha Tarrant, Vice President, Student Services (Norco College)  
Hortencia Cuevas, Program Director, Student Support Service (Norco College)



RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 22-19/20

2019-2020 Student Support Services Trio Grant-Norco College

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$21,815 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

**RIVERSIDE COMMUNITY COLLEGE DISTRICT**  
**INCOME & EXPENDITURES - BUDGET AMENDMENT**  
 Resolution No. 22-19/20  
 2019-2020 Student Support Services Trio Grant-Norco College

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	E00	1190	0	0000	0339	8120	21,815 00	REVENUE
								EXPENDITURES
12	EZG	1190	0	6450	0339	5649	20,199 00	Comp Software Maint/Lic
12	EZG	1190	0	6450	0339	5910	1,616 00	Indirect Charges
							21,815 00	TOTAL REVENUE
							21,815 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.K)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.K)
Subject	Resolution to Amend Budget Resolution No. 23-19/20 – 2019-2020 Student Support Services Rise Grant
College/District	Norco College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$20,767 to the budget.

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### Background Narrative:

The Riverside Community College District's Norco College has received additional funding for the 2019-2020 Student Support Services Rise Grant in the amount of \$20,767 from the U.S. Department of Education. The funds will be used for other operating expenses.

Prepared By: Monica Green, Interim President (Norco College)  
Kaneesha Tarrant, Vice President, Student Services (Norco College)  
Hortencia Cuevas, Program Director, Student Support Service (Norco College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 23-19/20

2019-2020 Student Support Services Rise Grant-Norco College

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$20,767 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
 INCOME & EXPENDITURES - BUDGET AMENDMENT  
 Resolution No. 23-19/20  
 2019-2020 Student Support Services Rise Grant-Norco College

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	E00	1190	0	0000	0297	8120	20,767 00	REVENUE
								EXPENDITURES
12	EZG	1190	0	6450	0297	4590	19,229 00	Supplies
12	EZG	1190	0	6450	0297	5910	1,538 00	Indirect Charges
							20,767 00	TOTAL REVENUE
							20,767 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.L)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.L)
Subject	Resolution to Amend Budget Resolution No. 24-19/20 – 2019-2020 PACES: Pathways to Access, Completion, Equity and Success Grant
College/District	Norco College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$535,449 to the budget.

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### Background Narrative:

The Riverside Community College District's Norco College has received additional funding for the 2019-2020 PACES: Pathways to Access, Completion, Equity and Success Grant in the amount of \$535,449 from the U.S. Department of Education. The funds will be used for salaries, benefits, and other operating expenses.

Prepared By: Monica Green, Interim President (Norco College)  
Kaneesha Tarrant, Vice President, Student Services (Norco College)  
Tenisha James, Dean, Student Services (Norco College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 24-19/20

2019-2020 PACES: Pathways to Access, Completion, Equity and Success Grant – Norco College

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$535,449 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
INCOME & EXPENDITURES - BUDGET AMENDMENT**

Resolution No. 24-19/20

2019-2020 PACES: Pathways to Access, Completion, Equity and Success Grant - Norco College

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	E00	1190	0	0000	0276	8120	535,449 00	REVENUE
								EXPENDITURES
12	EZG	1190	0	6450	276	2119	107,268 00	Classified FT Administrator
12	EZG	1190	0	6450	276	3220	19,281 00	Employee Benefits
12	EZG	1190	0	6450	276	3320	6,713 00	
12	EZG	1190	0	6450	276	3325	1,569 00	
12	EZG	1190	0	6450	276	3520	54 00	
12	EZG	1190	0	6450	276	3620	1,732 00	
12	EZG	1190	0	6450	276	3420	63,490 00	
12	EZG	1190	0	6450	276	3460	216 00	↓
12	EZG	1190	0	6450	276	1439	70,517 00	Academic PT Non-Instr
12	EZG	1190	0	6450	276	1490	60,000 00	Academic Special Project
12	EZG	1190	0	6450	276	3130	26,878 00	Employee Benefits
12	EZG	1190	0	6450	276	3335	1,892 00	
12	EZG	1190	0	6450	276	3530	65 00	
12	EZG	1190	0	6450	276	3630	2,088 00	
12	EZG	1190	0	6450	276	3430	56,000 00	
12	EZG	1190	0	6450	276	3470	261 00	
12	EZG	1190	0	6450	276	4555	3,500 00	↓
12	EZG	1190	0	6450	276	4590	13,500 00	Office and Other Supplies
12	EZG	1190	0	6450	276	5110	15,000 00	Consultants
12	EZG	1190	0	6450	276	5120	8,000 00	Lecturers
12	EZG	1190	0	6450	276	5220	21,600 00	Conference
12	EZG	1190	0	6450	276	5210	2,700 00	Mileage
12	EZG	1190	0	6450	276	5541	1,500 00	Cellular Telephone
12	EZG	1190	0	6450	276	5649	30,625 00	Comp Software Maint/Lic
12	EZG	1190	0	6450	276	6485	21,000 00	Equipment
							535,449 00	TOTAL REVENUE
							535,449 00	TOTAL EXPENDITURES



## Board of Trustees Regular Meeting (VI.M)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.M)
Subject	Resolution to Amend Budget Resolution No. 25-19/20 - 2019-2020 Childcare Access Means Parents in School (CCAMPIS) Grant
College/District	Moreno Valley College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$53,247 to the budget.

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### Background Narrative:

The Riverside Community College District's Moreno Valley College has received additional funding for the 2019-2020 Childcare Access Means Parents in School (CCAMPIS) Grant in the amount of \$53,247 from the U.S. Department of Education. The funds will be used for other operating expenses.

Prepared By: Robin Steinback, President (Moreno Valley College)  
Carlos Lopez, Vice President, Academic Affairs (Moreno Valley College)  
Sandra Rivas, Director, Early Childhood Education Center Manager (Moreno Valley College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 25-19/20

2019-2020 Childcare Access Means Parents in School (CCAMPIS) Grant

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$53,247 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
INCOME & EXPENDITURES - BUDGET AMENDMENT**

Resolution No. 25-19/20

2019-2020 Childcare Access Means Parents in School (CCAMPIS) Grant

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount		Object Code Description
12	F00	1190	0	0000	0315	8120	53,247	00	REVENUE
									EXPENDITURES
12	FUA	1190	0	6920	0315	5899	53,247	00	Administrative Contingency
							53,247	00	TOTAL REVENUE
							53,247	00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.N)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.N)
Subject	Resolution to Amend Budget Resolution No. 26-19/20 - 2019-2020 TRIO Talent Search Grant
College/District	Moreno Valley College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$40,000 to the budget.

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### Background Narrative:

The Riverside Community College District's Moreno Valley College has received additional funding for the 2019-2020 TRIO Talent Search Grant in the amount of \$40,000 from the U.S. Department of Education. The funds will be used for salaries, benefits, and other operating expenses.

Prepared By: Robin Steinback, President (Moreno Valley College)  
Dyrell Foster, Vice President, Student Services (Moreno Valley College)  
Micki Clowney, Director, TRIO Program (Moreno Valley College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 26-19/20

2019-2020 TRIO Talent Search Grant

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$40,000 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
 INCOME & EXPENDITURES - BUDGET AMENDMENT  
 Resolution No. 26-19/20  
 2019-2020 TRIO Talent Search Grant

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount	Object Code Description
12	F00	1190	0	0000	0342	8120	40,000 00	REVENUE
								EXPENDITURES
12	FZA	1190	0	6450	0342	2339	9,440 00	Classified PT Hrly As Needed
12	FZA	1190	0	6450	0342	3325	137 00	Employee Benefits
12	FZA	1190	0	6450	0342	3460	19 00	
12	FZA	1190	0	6450	0342	3520	5 00	
12	FZA	1190	0	6450	0342	3620	151 00	↓
12	FZA	1190	0	6450	0342	4230	3,700 00	Reference Books
12	FZA	1190	0	6450	0342	4320	7,415 00	Instructional Supplies
12	FZA	1190	0	6450	0342	5195	2,520 00	Entry Fees
12	FZA	1190	0	6450	0342	5219	7,900 00	Other Travel
12	FZA	1190	0	6450	0342	5910	2,963 00	Indirect Charges
12	FZA	1190	0	6450	0342	6485	5,750 00	Comp Equip Addl \$200-\$4999
							40,000 00	TOTAL REVENUE
							40,000 00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.O)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.O)
Subject	Resolution to Amend Budget Resolution No. 27-19/20 – 2019-2020 Basic Skills Grant
College/District	Norco College
Funding	Grants and Categorical Programs
Recommended Action	Recommend adding the revenue and expenditures of \$15,665 to the budget.

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### Background Narrative:

The Riverside Community College District's Norco College has received additional funding for the 2019-2020 Basic Skills Grant in the amount of \$15,665 from the California Community Colleges Chancellor's Office. The funds will be used for other operating expenses.

Prepared By: Monica Green, Interim President (Norco College)  
Samuel Lee, Vice President, Academic Affairs (Norco College)  
Gregory Aycock, Dean, Institutional Effectiveness (Norco College)

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 27-19/20

2019-2020 Basic Skills Grant - Norco College

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$15,665 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent



**RIVERSIDE COMMUNITY COLLEGE DISTRICT**  
**INCOME & EXPENDITURES - BUDGET AMENDMENT**  
 Resolution No. 27-19/20  
 2019-2020 Basic Skills Grant - Norco College

Year	County	District	Date	Fund
20	33	07	11/19/2019	12

Fund	School	Resource	PY	Goal	Func	Object	Amount		Object Code Description
12	E00	1190	0	0000	0026	8659	15,665	00	REVENUE
									EXPENDITURES
12	EJA	1190	0	6010	2026	4590	15,665	00	Supplies
							15,665	00	TOTAL REVENUE
							15,665	00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.P)

Meeting	November 19, 2019
Agenda Item	Resolution(s) to Amend Budget (VI.P)
Subject	Resolution to Amend Budget Resolution No. 28-19/20 - 2019-2020 Spruce Street Capital Fund
College/District	District
Funding	Spruce Capital Fund
Recommended Action	Recommend adding the revenue and expenditures of \$2,690,000 to the budget.

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### Background Narrative:

On October 16, 2018, the Board of Trustees adopted and approved Amended Resolution No. 02-17/18 declaring the property located at 1533 Spruce Street surplus and authorizing the property for sale pursuant to the competitive bidding procedures set forth in the Education Code.

On May 21, 2019, the Board of Trustees adopted and approved Resolution No. 65-18/19 authorizing acceptance of the proposal submitted by Morgan Partners, Inc. in the amount of \$2,720,000, subject to agreement on terms and conditions of the Purchase Sale Agreement. Ultimately, the sales price of \$2,690,000 was agreed upon.

The funds will be used for capital outlay purposes.

Prepared By: Aaron S. Brown, Vice Chancellor, Business & Financial Services  
Majd Askar, Director, Business Services

RIVERSIDE COMMUNITY COLLEGE DISTRICT

RESOLUTION TO AMEND BUDGET

RESOLUTION No. 28-19/20

2019-2020 Spruce Street Capital Fund

WHEREAS the governing board of the Riverside Community College District has determined that income in the amount of \$2,690,000 is assured to said district, which exceeds amounts previously budgeted; and

WHEREAS the governing board of the Riverside Community College District can show just cause for the expenditure of such funds;

NOW, THEREFORE, BE IT RESOLVED such additional funds be appropriated according to the schedule on the attached page.

This is an exact copy of the resolution adopted by the governing board at a regular meeting on November 19, 2019.

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Clerk or Authorized Agent

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
 INCOME & EXPENDITURES - BUDGET AMENDMENT  
 Resolution No. 28-19/20  
 2019-2020 Spruce Street Capital Fund

Year	County	District	Date	Fund
20	33	07	11/19/2019	41

Fund	School	Resource	PY	Goal	Func	Object	Amount		Object Code Description
41	A00	4131	0	0000	0000	8913	2,690,000	00	REVENUE
									EXPENDITURES
41	AAS	4131	0	6680	0000	6219	2,690,000	00	Capital Outlay - Other
							2,690,000	00	TOTAL REVENUE
							2,690,000	00	TOTAL EXPENDITURES

## Board of Trustees Regular Meeting (VI.Q)

Meeting	November 19, 2019
Agenda Item	Bid Awards (VI.Q)
Subject	Bid Award Bid Award for Norco College Parking Lot A – Repair & Seal
College/District	Norco College
Funding	General Fund
Recommended Action	Recommend awarding Bid No. 14-19/20-04-BC32, Norco College Parking Lot A – Repair & Seal project, in the total amount of \$98,888 to NPG, Inc.

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### Background Narrative:

On October 17, 2019, the District received bids in response to an Invitation for Bid solicitation for the Parking Lot A – Norco College Repair & Seal project. The project consists repair, resurface and slurry seal for Parking Lot A.

See the attached Lowest Responsive and Responsible Bidders summary.

References for all listed contractors were checked by District staff and found to be satisfactory.

Prepared By: Michael Collins, Vice President, Business Services (Norco College)  
Steven Marshall, Director, Facilities (Norco College)  
Aaron S. Brown, Vice Chancellor, Business & Financial Services  
Majd S. Askar, Director, Business & Financial Services

Lowest Responsive and Responsible Bidders  
Parking Lot A – Repair & Seal at Norco College

Bid No. 14-19/20-04-BC32

<u>Contractor</u>	<u>Location</u>	<u>Total Bid</u>
NPG, Inc.	Perris, CA	\$98,888
Dalke & Sons Construction	Riverside, CA	\$127,480
Speedy FI General Building Maintenance	Santa Ana, CA	\$168,000
J. Glenna Construction, Inc.	Temecula, CA	\$183,675
Cinbad Industry, Inc.	Chatsworth, CA	\$193,700
Asphalt Fabric & Engineering, Inc.	Signal Hill, CA	\$205,000

## Board of Trustees Regular Meeting (VI.R)

Meeting	November 19, 2019
Agenda Item	Bid Awards (VI.R)
Subject	Bid Award Purchase of Scientific Equipment Utilizing the Foundation for California Community Colleges (FCCC) Contract Number CB-220-17
College/District	District
Funding	Various Resources
Recommended Action	Recommend approving the purchase of scientific equipment from Fisher Scientific, utilizing FCCC Contract Number CB-220-17.

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### Background Narrative:

The Foundation for California Community Colleges (Foundation), a nonprofit organization, serves as the official foundation supporting the Board of Governors, Chancellor's Office, and the entire California Community College system. The Foundation operates CollegeBuys, a cooperative purchasing program designed to leverage the buying power of community college districts. CollegeBuys secures the most advantageous pricing from enterprise-level vendors using system-wide agreements. Public Contract Code Section 20661 authorizes California Community Colleges to piggyback on contracts awarded by the Chancellor of the California Community Colleges.

Riverside Community College District utilizes multiple vendors to purchase scientific equipment. Staff recommends use of Foundation Contract Number CB-220 as one source for the purchase of scientific equipment from Fisher Scientific. The term for FCCC contract number CB-220-17 is through June 22, 2020, with an option to extend the term for two (2) additional one (1) year term.

District staff has reviewed available cooperative purchasing agreements and other formal purchasing options and found that these contracts best meet the needs of the District.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Majd S. Askar, Director, Business Services

## Board of Trustees Regular Meeting (VI.S)

Meeting	November 19, 2019
Agenda Item	Grants, Contracts and Agreements (VI.S)
Subject	Grants, Contracts and Agreements Contracts and Agreements Report Less Than \$92,600 - All District Resources
College/District	District
Funding	Various Resources
Recommended Action	Recommend ratifying contracts totaling \$750,254 for the period of October 1, 2019 through October 31, 2019.

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### Background Narrative:

On September 11, 2007, the Board of Trustees authorized delegating authority to the Chancellor to enter into contractual agreements and the expenditure of funds pursuant to the Public Contract Code Section 20650 threshold, currently set at \$92,600. The attached listing of contracts and agreements under \$92,600 requested by college and District staff has been reviewed and verified that budgeted funds are available in the appropriate categories of expenditure. The contracts and agreements have been executed pursuant to the Board's delegation of authority and are presented on this agenda for ratification.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Majd S. Askar, Director, Business Services



Contracts and Agreements Report - All District Resources

\$92,600 and Under

10/01/19 thru 10/31/19

PO#	Department	Vendor	Business Location	Description	Amount
C0006623	Board of Trustees	Association of Community College Trustees	Columbus, OH	Board Retreat Facilitator	6,000
C0006624	Information Services	Robert Ferrilli, LLC	Haddonfield, NJ	Computer Software Maint/Lic	48,000
C0006625	Career and Technical Ed Projects	San Bernardino Community College District	San Bernardino	Grant / Contract Sub Agreements	50,000
C0006626	Communications & Web Development	Libris By Photoshelter	New York, NY	Computer Software Maint/Lic	12,550
C0006627	Chemistry, Life Sciences, Math, Physical Science	Sharp Electronics Corp.	Pasadena	Copier Repairs & Service	3,917
C0006628	Strategic Communication & Relations	Riverside Press Enterprise	Colorado Springs, CO	Advertising	11,154
C0006629	Educational Services - Norco	Westin	Los Angeles	Meeting Expenses	600
C0006630	Workforce Preparation - Riverside	Williams, Michelle	Indio	Foster Kinship Care Education Program Workshop	775
C0006631	Institutional Effectiveness	Hasson, Cathy	San Diego	Moreno Valley Program Review Consultants	34,720
C0006634	Student Activities - Riverside	Grande, Reyna	Woodland	Lecturers	4,000
C0006636	Physical Science - Riverside	Spitz, Inc.	Caddos Ford, PA	Repairs - Service	9,550
C0006637	Educational Services - Moreno Valley	University of Texas at Austin	Austin, TX	Memberships	15,000
C0006641	Risk Management	Atkinson, Anderson, Loya, Ruud	Cerritos	Legal	2,000
C0006642	Career and Technical Ed - Riverside & MVC	Hilton Hotel	San Bernardino	Meeting Expenses	22,000
C0006643	Human Resources & Diversity	US-RX Care	Tamarac, FL	Pharmacy Clinical Management Consultants	25,000
C0006644	Career and Technical Ed Projects	Lamar Companies, The	San Bernardino	Advertising	53,383
C0006645	Information Services	CBTS Technology Solutions, LLC	Cincinnati, OH	Computer Software Maint/Lic	28,950
C0006646	Career and Technical Ed - Moreno Valley	David F. Trujillo & Associates, LLC	Taos, NM	External Evaluation Services	15,000
C0006647	Early Childhood Studies - Moreno Valley	Reliable Workplace Solutions	Riverside	Copier Repairs and Service	665
C0006648	Business Operations - Norco	Visionpoint Marketing	Raleigh, NC	Advertising	57,356
C0006649	Academic Affairs - Riverside	Pearson	Chicago, IL	Online Tutoring Services	6,600
C0006650	Community & Economic Development	Koprince Law, LLC	Lawrence, KS	PTAC Webinars	1,300
C0006651	Student Services - Moreno Valley	H & L Charter Company, Inc.	Rancho Cucamonga	College & Career Tour Bus Rental	3,974
C0006652	Career and Technical Ed Projects	Hilton Hotel	San Bernardino	Meeting Expenses	13,000
C0006653	Career and Technical Ed Projects - Moreno Valley	International Public Safety Leadership	Simi Valley	Reference Books	19,250
C0006655	Business & Financial Services	True North Research, Inc.	Encinitas	Bond Measure Feasibility Surveys	53,000
C0006656	Academy / Criminal Services	Mike Brown Grandstand, Inc.	Irwindale	Bleacher Rentals	3,275
N/A	Business & Financial Services	Piper Jaffray & Co.	San Francisco	Pre-Election Services	No Cost
N/A	Business & Financial Services	Strading, Yocca, Carlson & Rauth	San Francisco	Bond Counsel Services	No Cost
N/A	RCCD Foundation	Riverside Community College District	Riverside	Master Agreement	No Cost
N/A	RCCD Foundation	Riverside Community College District	Riverside	Alumni House Lease	No Cost
N/A	Student Health & Psychological Services	Riverside Area Rape Crisis Center	Riverside	Crime Victims Support & Assistance	No Cost
N/A	Student Services	Alvord Unified School District	Riverside	Student Data Analysis Sharing	No Cost
N/A	CTE Projects	Riverside County Office of Education	Riverside	Articulation Agreement ADM-71A	No Cost
N/A	CTE Projects	Rancho Santiago Community College District	Santa Ana	Fiscal Agent for K-12 Strong Workforce	No Cost
N/A	Business & Financial Services	Keygent, LLC	El Segundo	Bond Financial Advising Services	No Cost
N/A	CTE Projects	Vista Norte Public Charter School	Lancaster	Welding 11th and 12th Grade Concurrent Enrollment	No Cost
N/A	CTE Projects	Alta Vista Innovation High School	Lancaster	Welding 11th and 12th Grade Concurrent Enrollment	No Cost
N/A	CTE Projects	Riverside County Office of Education	Riverside	Articulation Agreement ADM-77A	No Cost
N/A	Student Employment	Knotts Family Agency	Redlands	Off Campus Field of Study Work Program	No Cost
N/A	Student Employment	Knotts Family Agency	Redlands	Off Campus Field of Study Work Program	No Cost
N/A	Career & Technical Education	Riverside County Office of Education	Riverside	Articulation Agreement AUB-50	No Cost
N/A	Career & Technical Education	Riverside County Office of Education	Riverside	Articulation Agreement AUT-50	No Cost
N/A	Early Childhood Education	Chabot-Las Positas Community College District	Hayward	Student Mentor Program	No Cost
N/A	Early Childhood Education	Yosemite Community College	Modesto	Enrollment Stipends	No Cost
N/A	Education Services	STA Travel Group	Tempe, AZ	Group Flight For Study Abroad Program	No Cost
N/A	Maintenance and Operations	I Still Believe, LLC	Franklin, TN	Use of Premises	No Cost

Contracts and Agreements Report - All District Resources  
 \$92,600 and Under  
 10/01/19 thru 10/31/19

PO#	Department	Vendor	Business Location	Description	Amount
N/A	Student Employment	Sigma Beta XI, Inc. Academy for Young Men	Moreno Valley	Student Work Site Title IV	No Cost
N/A	CTE Projects	Riverside County Office of Education	Riverside	EMT - Articulation Agreement EMS-50	No Cost
N/A	RCCD Foundation	Robert Ferrilli, Inc.	Haddonfield, NJ	Transport Management Interact TIM Software	No Cost
N/A	Career & Technical Education	AVID Center	San Diego	College Readiness System Services	No Cost
<u>Additions to Approved/Ratify Contracts of \$92,600 and Under</u>					
C0004682	Business & Financial Services	Keygent, LLC	El Segundo	Bonds Disclosure & Dissemination Agent	5,000
C0005228	Athletics - Riverside	US Bank	St. Paul, MN	Copier Lease & Maintenance	300
C0005586	Communications Center - Moreno Valley	US Bank	St Louis, MO	Copier Lease & Maintenance	20,000
C0005781	Academy / Criminal Services	Scantron Corporation	Omaha, NE	Computer Software Maint/Lic	100
C0005895	Business & Financial Services	Shred-It USA, LLC	Pasadena	Shredding Services	960
C0006171	Warehouse - Riverside	Prudential Overall Supply	Riverside	Laundry and Cleaning	2,004
C0006263	Chancellor's Office	Granicus, LLC	St. Paul, MN	Computer Software Maint/Lic	1,350
C0006294	Business & Financial Services	TBWB Strategies	San Francisco	Bond Measure Feasibility Services	75,313
C0006332	Allied Health - Riverside	Waterlogic Americas, LLC	Redlands	Water Machine Rental	750
C0006379	Customized Solutions	Cerritos College	Norwalk	Grant / Contract Sub Agreements	65,000
C0006385	Human Resources & Diversity	Titan Empire, Inc.	Redlands	Title IX Inquires	60,000
C0006537	Career and Technical Ed Projects	Westin	Rancho Mirage	Meeting Expenses	9,110
C0006540	Learning Resource Center - Riverside	One Diversified, LLC	Beaverton, OR	Comp Equip Additional \$200-\$4999	7,521
C0006592	Strategic Development	Gaylord Opryland Resort & Convention Center	Nashville, TN	Conferences	1,826
N/A	Customized Training	Lean Coach, LLC	Redlands	Amend #1 / Additional Funds - Training & Client	No Cost
N/A	Customized Training	Cerritos College Foundation	Cerritos	Amend #2 / Change End Date for Employment Training	No Cost
Total					<u>\$ 750,254</u>

## Board of Trustees Regular Meeting (VI.T)

Meeting	November 19, 2019
Agenda Item	Out-of-State Travel (VI.T)
Subject	Out-of-State Travel
College/District	District
Funding	N/A
Recommended Action	Recommend approving out-of-state travel.

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### Background Narrative:

Board Policy 6900 establishes procedures for reimbursement for out-of-state travel expenses; and the Board of Trustees must formally approve out-of-state travel beyond 500 miles.

Prepared By: Wolde-Ab Isaac, Chancellor

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
CHANCELLOR'S OFFICE

Subject: Out-of-State Travel

Date: November 19, 2019

It is recommended that out-of-state travel be granted to:

Retroactive:

- 1) Dr. Mary Margaret Legner, Professor, Mathematics, Riverside City College, to travel to Milwaukee, Wisconsin, November 13 through 17, 2019, to attend the 45<sup>th</sup> Annual Conference for the American Mathematical Association of Two-Year Colleges. Estimated cost: \$2,171.92. Funding source: All expenses will be paid by the traveler. (Travel request was delayed due to administrative staff shortage.)
- 2) Ms. Colleen Molko, Dean, Grants Development and Administration, to travel to Washington, D.C., October 22 through October 26, 2019, to attend the Advanced Technological Education Conference. Estimated cost: \$1,698.84. Funding source: National Center for Supply Chain funds. (Trip approval was delayed due of issues with the new software system.)
- 3) Dr. Chris Nollette, Professor, Emergency Medical Services, Ben Clark Training Center, Moreno Valley College, to travel to Farmington, New Mexico, November 6 through 8, 2019, to attend the National Accreditation Site Visit for Committee on Accreditation of Educational Programs for Emergency Medical Service Professionals. Estimated cost: \$1,419.41. Funding source: All expenses paid by the Committee on Accreditation of Educational Programs for Emergency Medical Services Professions. (Paperwork was not submitted in time to make the October Board report.)
- 4) Ms. Mitzi Sloniger, Associate Professor, Reading, to travel to New Orleans, Louisiana, October 30 through November 2, 2019, to attend the 52<sup>nd</sup> Annual College Reading and Learning Association Conference. Estimated cost: \$768.70. Funding source: Title V – Accelerating Pathways Grant funds. (Trip approval was delayed due of issues with the new software system.)
- 5) Mr. Antoine Voisin, Assistant Coach, Men's Tennis, Athletics, Riverside City College, to travel to Rome, Georgia, October 15 through 20, 2019, to accompany four (4) students to the 2019 Intercollegiate Tennis Association Cup Championships. Estimated cost: \$4,840.99. Funding source: Athletics Trust Account. (Students advanced to the championships after the October Board meeting deadline.)
- 6) Miss Desiree Wagner, Grants Administrative Specialist, Strategic Development, to travel to Washington, D.C., October 22 through October 26, 2019, to attend the Advanced Technological Education Conference. Estimated cost: \$2,274.44. Funding source: National Center for Supply Chain funds. (Trip approval was delayed due of issues with the new software system.)

Revision:

- 1) Dr. Jeannie Kim, Associate Vice Chancellor, Grants and Economic Development, to travel to Alexandria, Virginia, October 8 through 11, 2019, to attend 2019 National Science Foundation (NSF) Panel. Estimated cost: \$1,743.18. Funding source: All expenses paid by the National Science Foundation. (The dates of the original travel request were changed.)

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
CHANCELLOR'S OFFICE

Subject: Out-of-State Travel

Date: November 19, 2019

Current:

*Moreno Valley College*

- 1) Mr. Robert Fontaine, Professor, Emergency Medical Services, Ben Clark Training Center, to travel to New Orleans, Louisiana, December 7 through 10, 2019, to attend the 2019 National Association of Student Personnel Administrators Multicultural Institute. Estimated cost: \$1,828.72. Funding source: Guided Pathways funds.
- 2) Dr. Robin Steinback, President, President's Office, to travel to Washington, D.C., February 8 through 12, 2020, to attend the 2020 Association of Community College Trustees (ACCT) National Legislative Summit. Estimated cost: \$3,711.83. Funding source: General funds.

*Norco College*

- 1) Dr. Maria Gonzalez, Director, Student Financial Services, to travel to Reno, Nevada, December 3 through 6, 2019, to attend the Federal Student Aid Conference. Estimated cost: \$953.45. Funding source: General funds.
- 2) Dr. HyunHee Kim, Adjunct Faculty, National Science, to travel to Washington, D.C., December 7 through 10, 2019, to attend the American Society for Cell Biology and European Molecular Biology Organization Conference. Estimated cost: \$843.07. Funding source: \$800.00 will be paid with Professional Development General funds and \$43.07 paid by the traveler.
- 3) Ms. Lorena Valencia, Student Financial Services Officer, Student Financial Services, to travel to Reno, Nevada, December 3 through 6, 2019, to attend the Federal Student Aid Conference. Estimated cost: \$953.45. Funding source: Board Financial Assistance Program funds.

*Riverside City College*

- 1) Dr. FeRita Carter, Vice President, Student Services, to travel to Austin, Texas, March 27 through April 1, 2020, to attend the 2020 Annual National Association of Student Personnel Administrators Conference. Estimated cost: \$3,553.10. Funding source: General funds.
- 2) Ms. Kristin Fontaine, Associate Professor, School of Nursing, to travel to New Orleans, Louisiana, December 8 through 10, 2019, to attend the National Association of Student Personnel Administrators 2019 Multicultural Institute. Estimated cost: \$1,803.57. Funding source: Student Equity funds.
- 3) Dr. Dariush Haghghat, Professor, Political Science, to travel to Berlin and Erfurt, Germany, November 20 through December 2, 2019, to accompany thirteen (13) students to the National Model United Nation (MUN) Germany Conference. Estimated cost: \$44,016.33. Funding source: Model United Nation funds.

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
CHANCELLOR'S OFFICE

Subject: Out-of-State Travel

Date: November 19, 2019

- 4) Dr. Inez Moore, Director, Academic Support, to travel to New Orleans, Louisiana, December 8 through 10, 2019, to attend the National Association of Student Personnel Administrators 2019 Multicultural Institute. Estimated cost: \$1,833.75. Funding source: Student Equity funds.
- 5) Mr. Tomas Ocampo, Professor, Political Science, to travel to Berlin and Erfurt, Germany, November 20 through December 2, 2019, to attend the National Model United Nation (MUN) Germany Conference. Estimated cost: \$5,495.56. Funding source: Model United Nation funds.
- 6) Dr. Rhonda Taube, Professor, Art, to travel to Cairo, Aswan, Abu Simbel, Luxor, Alexandria, Egypt, January 10 through 25, 2020, to accompany twenty-five (25) students and lead the study abroad Egypt Program. Estimated cost: \$92,375.00. Funding source: All expenses, including faculty costs, paid through participant fees.

*Riverside Community College District*

- 1) Mr. Nassef Girgis, Assistant to the Coordinator, International Studies, to travel to Cairo, Asan, Abu Simbel, Luxor, Alexandria, Egypt, January 5 through 25, 2020, to co-lead the Study Abroad Egypt program. Estimated cost: \$3,050.00. Funding source: All expenses, including faculty costs, paid through participant fees.
- 2) Dr. Wolde-Ab Isaac, Chancellor, Chancellor's Office, to travel to Washington, DC, February 8 through 12, 2020, to attend the 2020 Association of Community College Trustees (ACCT) Legislative Summit. Estimated cost: \$4,655.59. Funding source: General funds.

# Board of Trustees Regular Meeting (VI.U)

Meeting	November 19, 2019
Agenda Item	Other Items (VI.U)
Subject	Other Items MVC Student Services Welcome Center CEQA Initial Study and Mitigated Negative Declaration
College/District	Moreno Valley College
Funding	Measure C
Recommended Action	Recommend approving the Initial Study and Mitigated Negative Declaration (IS/MND), Mitigation Monitoring and Reporting Program (MMRP), for the Moreno Valley College Student Services Welcome Center Project.

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## Background Narrative:

On August 21, 2018, the Board of Trustees approved the Moreno Valley College Student Services Welcome Center project, which consists of new construction and development of a 17,500 square foot building located on the southwestern portion of the Moreno Valley College campus, south of the Science and Technologies Building and west of the Student Activity Center. No buildings would need to be demolished to construct the project. The new construction project is determined to comply with California Environmental Quality Act (CEQA) regulations, which includes Initial Study/Mitigated Negative Declaration (IS/MND).

RCCD hired Dudek to prepare an Initial Study/Mitigated Negative Declaration (IS/MND) to analyze the project's potential environmental effects in accordance with the California Environmental Quality Act (CEQA). Dudek analyzed all resource areas in Appendix G of the CEQA Guidelines and determined that the project would not result in a significant impact on the environment.

Included in the IS/MND is the compliance with Assembly Bills 52. RCCD consulted with several Native American Tribes pursuant to Assembly Bill 52 to address potential impacts to tribal cultural resources. The IS/MND was circulated for a 30-day public review period from June 5, 2019 to July 5, 2019. During the public review period, several comments were received and responded to by RCCD; however, no comments were received pertaining to the environmental analysis provided within the IS/MND.

Upon completion of the CEQA document, the findings indicate that all potentially significant impacts can be mitigated to less than significant levels with implementation of mitigation. Mitigation measures were included in the IS/MND for cultural resources (archaeological resources), geology and soils (paleontological resources), noise, and tribal cultural resources. These mitigation measures are outlined in the project's MMRP, provided as Appendix G to the IS/MND.

Staff recommends that the Board approve the Initial Study and Mitigated Negative Declaration (IS/MND) and Mitigation Monitoring and Reporting Program (MMRP), for the New Student Service Welcome Center Project. Once the project's IS/MND is adopted, a Notice of Determination will be filed with the County Clerk.

Prepared By: Robin Steinback, President (Moreno Valley College)  
Dyrell Foster, Vice President, Student Services (Moreno Valley College)  
Nathaniel Jones, Vice President, Business Services (Moreno Valley College)  
Aaron S. Brown, Vice Chancellor, Business and Financial Services

Hussain Agah, Associate Vice Chancellor, Facilities Planning & Development  
Bart Doering, Facilities Development Director



# **FINAL**

## **Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration**

*Prepared for:*

**Riverside Community College District**  
3801 Market Street  
Riverside, California 92501  
*Contact: Bart Doering, Facilities Development Director*

*Prepared by:*

**DUDEK**  
3544 University Avenue  
Riverside, California 92501  
*Contact: Rachel Struglia, PhD, AICP, Project Manager*

## **JULY 2019**



# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

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# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

## ACRONYMS AND ABBREVIATIONS

Acronym/Abbreviation	Definition
AB	Assembly Bill
AERMOD	American Meteorological Society/U.S. Environmental Protection Agency Regulatory Model
AQMP	Air Quality Management Plan
BMP	best management practice
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CARB	California Air Resources Board
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
CH <sub>4</sub>	methane
City	City of Moreno Valley
CNDDB	California Natural Diversity Database
CNEL	community noise equivalent level
CNPS	California Native Plant Society
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	carbon dioxide equivalent
College	Moreno Valley College
Construction General Permit	General Permit for Discharges of Stormwater Associated with Construction Activity
dB	decibels
dBA	A-weighted decibel
District	Riverside Community College District
DPM	diesel particulate matter
EIR	Environmental Impact Report
EMWD	Eastern Municipal Water District
EPA	U.S. Environmental Protection Agency
FHWA	Federal Highway Administration
GHG	greenhouse gas
GWP	global warming potential
HRA	health risk assessment
HVAC	heating, ventilation, and air conditioning
IS	initial study
LACM	Natural History Museum of Los Angeles County
L <sub>dn</sub>	day-night average noise level
L <sub>eq</sub>	equivalent noise level
L <sub>max</sub>	greatest sound level measured during a designated time interval or event
LOS	level of service
LST	localized significance threshold

## Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

Acronym/Abbreviation	Definition
MM	Mitigation Measure
MND	mitigated negative declaration
MRZ	Mineral Resource Zone
MS4	Municipal Separate Storm Sewer System
MSHCP	Western Riverside County Multiple Species Habitat Conservation Plan
MT	metric ton
N <sub>2</sub> O	nitrous oxide
NAAQS	National Ambient Air Quality Standards
NAHC	Native American Heritage Commission
NO <sub>2</sub>	nitrogen dioxide
NO <sub>x</sub>	oxides of nitrogen
NPDES	National Pollutant Discharge Elimination System
O <sub>3</sub>	ozone
OEHHA	Office of Environmental Health Hazard Assessment
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to 10 microns
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PPV	peak particle velocity
project	Moreno Valley College Welcome Center
RCNM	Roadway Construction Noise Model
RTA	Riverside Transit Authority
RTP/SCS	Regional Transportation Plan/Sustainable Communities Strategy
RWQCB	Regional Water Quality Control Board
RWRF	regional water reclamation facility
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCE	Southern California Edison
SO <sub>x</sub>	sulfur oxides
SWPPP	Stormwater Pollution Prevention Plan
TAC	toxic air contaminant
TNM	Traffic Noise Model
USFWS	U.S. Fish and Wildlife Service
VMT	vehicle miles traveled
VOC	volatile organic compound
WQMP	Water Quality Management Plan



# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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## PREFACE

This Initial Study/Mitigated Negative Declaration (IS/MND) was prepared for the proposed Moreno Valley College Welcome Center Project (project) and made available for public comment for a 30-day public review period from June 5, 2019, through July 5, 2019. In accordance with the California Environmental Quality Act (CEQA) Guidelines (14 CCR 15000 et seq.), before approving the proposed project, the Riverside Community College District (RCCD), as the lead agency under CEQA, shall consider the Draft IS/MND with any comments received during this public review period. Although CEQA (California Public Resources Code Section 21000 et seq.) and the CEQA Guidelines do not explicitly require a lead agency to provide written responses to comments received on a proposed IS/MND, the lead agency may do so voluntarily. As of the close of business on July 5, 2019, one formal response was received regarding the proposed project from Anthony Madrigal Jr. of the Twenty-Nine Palm Band of Mission Indians. Mr. Madrigal's letter, dated July 3, 2019, stated that the Twenty-Nine Palms Band of Mission Indians Tribal Historic Preservation Office (THPO) is not aware of any additional cultural resources in the project area that pertains to the Tribe, and that after a review of the project, the THPO does not have any additional concerns.

Other letters of correspondence were received in response to the project; however, these letters did not provide comments regarding the project or the IS/MND. One letter received during the public review period was from the Gabrieleno Band of Mission Indians-Kizh Nation, dated June 10, 2019, which state that their Tribal Government would like to be consulted if any ground disturbance will be conducted for the project. However, this correspondence followed an earlier letter, dated May 8, 2019, from the Gabrieleno Band of Mission Indians-Kizh Nation, which was received in response to RCCD's invitation to initiate formal consultation under Assembly Bill 52. The May 8<sup>th</sup> letter from the Gabrieleno Band of Mission Indians-Kizh Nation stated that the project location is outside of their ancestral territory, and they defer to the tribe of the area. RCCD responded to the June 10 letter on the same day, stating that the Gabrieleno Band of Mission Indians-Kizh Nation already stated that the project location was outside of their ancestral territory, and that RCCD deferred to the Soboba Band of Luiseno Indians, who did consult with RCCD prior to public review under AB 52. No response from the Gabrieleno Band of Mission Indians-Kizh Nation was received by RCCD.

One other letter was received during the public review period from Travis Armstrong of the Morongo Band of Mission Indians, dated June 18, 2019. Mr. Armstrong's letter requested a link to the IS/MND, which RCCD provided. No further comments were received from Mr. Armstrong.

Lastly, a letter from the Governor's Office of Planning and Research, State Clearinghouse and Planning Unit, was received on July 18, 2019 (dated July 8, 2018), stating that the public review

## Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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period for the Moreno Valley College Welcome Center Project had closed on July 5, 2019, and that no state agencies submitted comments by that date. The letter also acknowledged RCCD's compliance with the State Clearinghouse review requirements for draft environmental documents. Given that no comments on the subject matter presented in the Draft IS/MND were received, no changes were made to the Draft IS/MND. A copy of the aforementioned correspondence are provided to this Final IS/MND as Appendix F.

Additionally, a Mitigation Monitoring and Reporting Program has been appended to this Final IS/MND as Appendix G.

# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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## **1 INTRODUCTION**

### **1.1 Project Overview**

The Riverside Community College District (District) is proposing to construct a new 17,305-square-foot Moreno Valley College Welcome Center (project) located on an approximately 0.95-acre project site within the southwestern portion of the Moreno Valley College (College) campus.

### **1.2 California Environmental Quality Act Compliance**

The District is the California Environmental Quality Act (CEQA) lead agency responsible for the review and approval of the proposed project. Based on the findings of the initial study (IS) for the project, the District has determined that a mitigated negative declaration (MND) is the appropriate environmental document to prepare in compliance with CEQA (California Public Resources Code, Section 21000 et seq.). As stated in CEQA, Section 21064.5, an MND may be prepared for a project subject to CEQA when an IS has identified no potentially significant effects on the environment.

This MND has been prepared for the District and complies with Section 15070(a) of the CEQA Guidelines (14 CCR 15000 et seq.). The purpose of the MND and the IS checklist (see Chapter 3 of this MND) is to determine any potentially significant impacts associated with the proposed project and to incorporate mitigation measures into the project design as necessary to reduce or eliminate the significant or potentially significant effects of the project.

### **1.3 Other Agencies that May Use this Mitigated Negative Declaration**

This MND is also intended for use by responsible agencies that may have an interest in reviewing the project. The City of Moreno Valley (City) may review the document for any permit approvals regarding city property, for example, if an encroachment permit is needed for any construction for placement of utilities in city streets.

### **1.4 Public Review Process**

In accordance with CEQA, a good-faith effort has been made during the preparation of this MND to contact affected agencies, organizations, and persons who may have an interest in this project.

## Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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In reviewing the MND, public agencies and the interested public should focus on the sufficiency of the document in identifying and analyzing the project's possible impacts on the environment. A copy of the draft MND and related documents are available for review at the District offices (see address below) between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Riverside Community College District  
3801 Market Street  
Riverside, California 92501

Printed copies of the MND are also available for review at the Moreno Valley Public Library located at:

Moreno Valley Public Library  
25480 Alessandro Boulevard,  
Moreno Valley, California 92553.

The document is also available on the District's website at:

[www.rccd.edu](http://www.rccd.edu).

Comments on the MND may be made in writing before the end of the public review period. A 30-day review and comment period from June 5, 2019, to July 5, 2019, has been established in accordance with Section 15072(a) of the CEQA Guidelines. Following the close of the public comment period, the District will consider this MND and comments in determining whether to approve the proposed project.

Written comments on the MND should be received at the following address by 5:00 p.m., June 5, 2019.

Riverside Community College District  
3801 Market Street  
Riverside, California 92501  
Contact: Bart Doering, Facilities Development Director  
Telephone: 951.222.8962  
Email: [Bart.Doering@rccd.edu](mailto:Bart.Doering@rccd.edu)

# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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## 2 PROJECT DESCRIPTION

The District is proposing to construct a new welcome center on its existing College campus. The proposed new campus building would provide a space for the College to offer new, continuing, transferring, and returning students expanded access to academic planning services, including enrollment assistance, academic counselling, financial aid support, and campus tours. The center would include offices, collaboration spaces, a presentation room, an outdoor seating area, and associated landscaping and parking. The proposed location is on an open lawn area of the campus. No buildings would need to be demolished to construct the Welcome Center.

### 2.1 Project Location

The proposed project site is located in the City, in the northwestern portion of Riverside County (Figure 1, Regional and Vicinity Map). The City is located about 50 miles south and east of Los Angeles and regional access is provided via Interstate 215 and State Route 60. Nearby communities include Corona, Eastvale, Norco, Perris, and Riverside. The proposed project would be constructed on a 0.95-acre project site situated within the southwestern portion of the existing College. More specifically, the proposed location for the Welcome Center is north and east of College Drive, south of the Science and Technology Building, and north and west of the Student Activities Center (Figure 2, Aerial). Additional areas immediately surrounding the project site within the campus may be temporarily disturbed (areas of temporary impact) to allow for the connection of underground utilities to the project site. The project site and the areas of temporary impact (collectively the “study area”) are delineated in solid black outline (project site) and dashed black outline (study area) on Figure 2 and encompasses 4.39 acres. Upon completion of project construction, all areas of temporary impact would be restored to the existing conditions.

### 2.2 Environmental Setting

The College is located in a developed urban area of the City and is surrounded by residential communities to the north, west, and south. The campus is also located at the foothills of the Russel Mountains, an expansive natural hillside area that is part of the Lake Perris State Recreation Area (RCCD 2015).

The proposed project site is located on the College campus at 16130 Lasselle Street. The College consists of an approximately 132-acre parcel owned by the District and currently supports the existing College campus buildings (RCCD 2015). The majority of the College’s development occurs within the western area of the campus due to the area’s relatively flat topography. The eastern and less developed campus area contains cross-country trails used for high school competitions, community

# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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trail connections, unpaved overflow parking, and a retention basin (RCCD 2015). There are three vehicular entry points into campus; the main entrance is at Lasselle Street and College Drive.

The proposed project site is designated as Public Facilities in the City General Plan (City of Moreno Valley 2017a), and the zoning designation is Moreno Valley Ranch Specific Plan—Community Facility (SP 193 CF) (City of Moreno Valley 2017b; City of Moreno Valley 2012a). According to the College Comprehensive Master Plan, the project site has not yet been designated for a specific use on campus (RCCD 2015).

The project site is currently undeveloped and consists of an open grass field with several ornamental trees located throughout. A concrete sidewalk traverses through the middle of the project site and connects the main campus area with the parking lot located to the south. Outside of the project site, the study area includes concrete walkways, a parking lot, campus driveways, actively maintained landscaped areas, and undeveloped and unmaintained barren ground.

## 2.3 Project Characteristics

The proposed project would involve the construction of an approximately 17,305 square-foot, one-story welcome center building on the southwestern portion of the College campus (Figure 3, Site Plan). Construction of the campus building would require the removal of an existing landscaped area currently consisting of campus walkways and ornamental landscaping. The project would also require temporary trenching within areas of the campus surrounding the project site to allow for the connection of underground utilities to the project site. Once operational, the new campus building would include office spaces, collaboration spaces, private study areas, restrooms, and utility spaces.

The project would also include exterior site improvements, such as landscaping, stairways, American with Disabilities Act–compliant access ramps, and an entry plaza. Landscaping would be designed consistent with the surrounding campus and would feature a mix of native and drought tolerant plants.

The campus building and associated site work would be American with Disabilities Act compliant and include accessible restrooms and drinking fountains.

### 2.3.1 Proposed Operation

Once operational, the new Welcome Center building would provide a centralized location where students can access a variety of academic planning–related services. These services would include assistance with enrollment, orientation, progress assessment, class selection, and financial aid. The new campus building would also provide additional study and collaboration spaces. The proposed center would operate year-round and would typically be open from 9:00 a.m. to 7:00 p.m. Monday through Thursday, and 8:00 a.m. to 12:00 p.m. on Fridays. Similar to many other student resource centers on campus, the Welcome Center

## Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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may occasionally be open after hours throughout the year (e.g., providing study spaces during finals week or hosting weekend events at the beginning of the school year).

### 2.3.2 Project Construction and Schedule

Construction of the proposed project would include minor demolition of the existing sidewalk and landscaping, site preparation, grading, underground utility construction (trenching), building construction, and architectural coating. Construction is anticipated to begin when school is not in session, in June 2020, and end in May 2021, for an approximate construction duration of 12 months. Construction equipment would be staged either on site or within a portion of the existing parking lot south of the project site. All construction areas and staging areas would be fenced off and isolated from the school. Construction phasing is anticipated to proceed as follows:

- Site preparation (June 3 to June 4, 2020)
- Grading (June 5 to June 10, 2020)
- Trenching (June 11 to July 8, 2020)
- Building construction (July 9, 2020, to April 14, 2021)
- Paving (April 15 to April 28, 2021)
- Architectural coating (April 29 to May 12, 2021)

Site preparation would involve the removal of existing concrete and landscaping located on the site. Additional site clearing and rough grading would occur during the site preparation phase. After grading, there would be trenching of soil for the placement of underground utilities. Building construction would involve the construction of the Welcome Center and associated exterior hardscape features (i.e., sidewalks, access ramps, stairways). The paving phase would involve paving walkways and hardscape around the building. The architectural coating phase would involve the application of interior and exterior paints and coatings. More specific information about the construction phasing can be found in Section 3.3, Air Quality.

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# Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

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## **3 INITIAL STUDY CHECKLIST**

**1. Project title:**

Moreno Valley College Welcome Center

**2. Lead agency name and address:**

Riverside Community College District  
3801 Market Street  
Riverside, California 92501

**3. Contact person and phone number:**

Bart Doering, Facilities Development Director  
951.222.8962

**4. Project location:**

16130 Lasselle Street,  
Moreno Valley, California 92551

**5. Project sponsor's name and address:**

Riverside Community College District  
3801 Market Street  
Riverside, California 92501

**6. General plan designation:**

Public Facilities

**7. Zoning:**

Moreno Valley Ranch Specific Plan – Community Facility (SP 193 CF)

**8. Description of project:**

The proposed project would involve the construction of an approximately 17,500 square-foot, one-story welcome center building on the southwestern portion of the College campus. Construction of the campus building would necessitate removal of the existing landscaped area, currently consisting of walkways and ornamental landscaping. The

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Welcome Center would include office spaces, collaboration spaces, restrooms, and utility spaces. The project would also include exterior site improvements, such as landscaping, stairways, access ramps, and an entry plaza.

**9. Surrounding land uses and setting:**

The proposed project site is located on the College campus. The campus is located in a developed urban area of the City and is surrounded by residential communities to the north, west, and south. The foothills of the Russel Mountains are located to the east of the campus. Additionally, Laselle Elementary School borders the campus to the south. Within the campus, the project site is located north and east of College Drive and Parking Lot B, south of the Science and Technology Building, and north and west of the Student Activity Center.

**10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement):**

Division of State Architect approval of the site plan.

**11. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?**

Yes. Refer to Section 3.18, Tribal Cultural Resources, for further discussion regarding the Assembly Bill (AB) 52 tribal consultation process.

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### ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact,” as indicated by the following checklist.

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Aesthetics                    | <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Air Quality                        |
| <input type="checkbox"/> Biological Resources          | <input type="checkbox"/> Cultural Resources                 | <input type="checkbox"/> Energy                             |
| <input type="checkbox"/> Geology and Soils             | <input type="checkbox"/> Greenhouse Gas Emissions           | <input type="checkbox"/> Hazards and Hazardous Materials    |
| <input type="checkbox"/> Hydrology and Water Quality   | <input type="checkbox"/> Land Use and Planning              | <input type="checkbox"/> Mineral Resources                  |
| <input type="checkbox"/> Noise                         | <input type="checkbox"/> Population and Housing             | <input type="checkbox"/> Public Services                    |
| <input type="checkbox"/> Recreation                    | <input type="checkbox"/> Transportation                     | <input type="checkbox"/> Tribal Cultural Resources          |
| <input type="checkbox"/> Utilities and Service Systems | <input type="checkbox"/> Wildfire                           | <input type="checkbox"/> Mandatory Findings of Significance |



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### EVALUATION OF ENVIRONMENTAL IMPACTS:

1. A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
2. All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
3. Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an Environmental Impact Report (EIR) is required.
4. “Negative Declaration: Less Than Significant With Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Than Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analyses,” as described in (5) below, may be cross-referenced).
5. Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
  - a. Earlier Analysis Used. Identify and state where they are available for review.
  - b. Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - c. Mitigation Measures. For effects that are “Less Than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or

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refined from the earlier document and the extent to which they address site-specific conditions for the project.

6. Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7. Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8. This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9. The explanation of each issue should identify:
  - a. The significance criteria or threshold, if any, used to evaluate each question; and
  - b. The mitigation measure identified, if any, to reduce the impact to less than significance.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>I. AESTHETICS</b> – Except as provided in Public Resources Code section 21099, would the project:				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) In non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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## 3.1 Aesthetics

a) *Would the project have a substantial adverse effect on a scenic vista?*

**No Impact.** The proposed Welcome Center building is planned for the College campus in an area surrounded by other campus development. As shown in Figure 2, there are existing buildings surrounding the site, including the Science and Technology building, the Lion's Den Café, and the Student Activities Center, as well as parking. The proposed building is one story and would be consistent with the height of existing buildings on campus, and thus would not block any scenic vistas. Mount Russell and the foothills to the southeast of the campus are identified as scenic resources in the City General Plan (City of Moreno Valley 2006a). However, because the proposed Welcome Center would be one story in height and is an infill development on the Moreno Valley campus, no scenic vistas toward Mount Russell would be affected.

b) *Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?*

**No Impact.** As stated above in 3.1(a), the only scenic resources in the project vicinity are Mount Russell and the foothills to the southeast. There are no designated state scenic highways near the project site (Caltrans 2018). The closest designated state scenic highway is a portion of Route 74 from the western boundary of the San Bernardino National Forest to State Route 111 in Palm Desert, which is approximately 20 miles to the southeast at its closest point. Mount Russell and the foothills also intervene such that there is no direct view from the campus to the scenic portion of Route 74. Because the proposed building is one story in height and is a campus infill project surrounded by other buildings, there would be no damage to scenic resources.

c) *Would the project, in non-urbanized areas, substantially degrade the existing visual character or quality of public views of the site and its surroundings? (Public views are those that are experienced from publicly accessible vantage point). If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?*

**Less-than-Significant Impact.** The College campus is in an urbanized area and the proposed Welcome Center building is a campus infill project surrounded by other buildings. Figures 4a, Schematic Design, and 4b, Perspective Views, depict the proposed design of the building and show that the proposed building is a low profile one-story building that would be compatible with the existing buildings on campus. Therefore, the proposed project would not substantially

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degrade the existing visual character or change the quality of public views of the site and its surroundings. While Mount Russell and the foothills are to the southeast of the campus, the low-profile nature of this building would not impede public views toward Mount Russell and the foothills. Thus, the proposed project would have a less-than-significant impact to the existing visual character and quality of public views.

**d) *Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?***

***Less-than-Significant Impact.*** Construction activities would be conducted Monday through Friday from 7:00 a.m. to 6:00 p.m. and Saturday from 8:00 a.m. to 5:00 p.m. Although nighttime lighting would not generally be needed for construction activities, lighting may be needed during winter months when the hours of daylight are shorter than in other seasons of the year. When in use, nighttime lighting for construction would be focused on construction areas and would not spill over into other areas of campus. In addition, construction lighting would be shielded and directed downward and would be of the minimum required intensity to provide for safe construction activity. Therefore, lighting necessary to conduct construction activities is not anticipated to result in substantial lighting that could affect nighttime views in the area. Impacts would be less than significant.

Similar to existing campus buildings, the proposed Welcome Center building would include interior lighting for illumination of offices, meeting rooms, restrooms, and other areas and exterior lighting for safety and security purposes. Figures 4a and 4b depict the proposed design of the building and show lighting in the overhead entry, but minimal outdoor lighting. Thus, lighting and glare impacts resulting from the proposed Welcome Center would be less than significant.



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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>II. AGRICULTURE AND FORESTRY RESOURCES</b> – In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in the loss of forest land or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.2 Agriculture and Forestry Resources

- a) *Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?*

**No Impact.** Based on farmland maps prepared by the California Department of Conservation, the project site is not located in an area designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance. The site is designated as Other Land (DOC n.d.a). Therefore, no impacts associated with conversion of important farmland would occur.

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- b) *Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?*

**No Impact.** The project site is entirely designated as Public Facilities under the City General Plan and zoned as Moreno Valley Ranch Specific Plan—Community Facility (SP 193 CF), which is not an agricultural zoning designation. In addition, according to the California Department of Conservation’s Williamson Act Parcel map for Riverside County, the project site is not located on or adjacent to any lands under a Williamson Act contract. The Riverside County Williamson Act Fiscal Year 2015/2016 Map designates the project site and surrounding land as non-Williamson Act Land (DOC 2016). As such, implementation of the proposed project would not conflict with existing zoning for agricultural use or land under a Williamson Act contract. Therefore, no impacts associated with agricultural zoning or Williamson Act contracts would occur.

- c) *Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?*

**No Impact.** The project site is located on the College campus and within a developed part of the City. According to the City’s Zoning Map, the project site is not located on or adjacent to forestland, timberland, or timberland zoned Timberland Production (City of Moreno Valley 2017b). Therefore, no impacts associated with forestland or timberland would occur.

- d) *Would the project result in the loss of forest land or conversion of forest land to non-forest use?*

**No Impact.** The project site is located on the College campus and within a developed part of the City. The project site is not located on or adjacent to forestland. No private timberlands or public lands with forests are located in the City. Therefore, no impact associated with the loss or conversion of forestland would occur.

- e) *Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?*

**No Impact.** As discussed previously in Sections 3.2(b–c), the project is located on the College campus and within a developed part of the City. The project site is not located on or adjacent to any parcels identified as important farmland or forestland. In addition, the proposed project would not involve changes to the existing environment that would result in the indirect

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conversion of important farmland or forestland located away from the project site. Therefore, no impacts associated with the conversion of farmland or forestland would occur.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>III. AIR QUALITY</b> – Where available, the significance criteria established by the applicable air quality management district or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Result in other emissions (such as those leading to odors adversely affecting a substantial number of people)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.3 Air Quality

- a) *Would the project conflict with or obstruct implementation of the applicable air quality plan?*

***Less-than-Significant Impact.*** The project area is located in the City, within the South Coast Air Basin (SCAB), which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties and all of Orange County. The SCAB is within the jurisdictional boundaries of the South Coast Air Quality Management District (SCAQMD).

The SCAQMD administers the SCAB’s Air Quality Management Plan (AQMP), which is a comprehensive document outlining an air pollution control program for attaining the California Ambient Air Quality Standards (CAAQS) and National Ambient Air Quality Standards (NAAQS). The most recently adopted AQMP for the SCAB is the 2016 AQMP (SCAQMD 2017a). The 2016 AQMP focuses on available, proven, and cost-effective alternatives to traditional air quality strategies while seeking to achieve multiple goals in partnership with other entities seeking to promote reductions in greenhouse gases (GHGs) and toxic risk, as well as efficiencies in energy use, transportation, and goods movement (SCAQMD 2017a).

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The purpose of a consistency finding with regard to the AQMP is to determine if a project is consistent with the assumptions and objectives of the 2016 AQMP, and if it would interfere with the region's ability to comply with federal and state air quality standards. The SCAQMD has established criteria for determining consistency with the currently applicable AQMP in Chapter 12, Sections 12.2 and 12.3 of the SCAQMD CEQA Air Quality Handbook. These criteria are as follows (SCAQMD 1993):

- **Consistency Criterion No. 1:** Whether the project would result in an increase in the frequency or severity of existing air quality violations, cause or contribute to new violations, or delay timely attainment of the ambient air quality standards or interim emission reductions in the AQMP.
- **Consistency Criterion No. 2:** Whether the project would exceed the assumptions in the AQMP or increments based on the year of project buildout and phase.

To address the first criterion, project-generated criteria air pollutant emissions have been estimated and analyzed for significance and are addressed under Section 3.3(b). Detailed results of this analysis are included in Appendix A-1, Air Quality and Greenhouse Gas Emissions CalEEMod Output Files. As presented in Section 3.3(b), the proposed project would not generate criteria air pollutant emissions that exceed the SCAQMD's thresholds, and the project would therefore be consistent with Criterion No. 1.

The second criterion regarding the potential of the proposed project to exceed the assumptions in the AQMP or increments based on the year of project buildout and phase is primarily assessed by determining consistency between the proposed project's land use designations and its potential to generate population growth. In general, projects are considered consistent with, and not in conflict with or obstructing implementation of, the AQMP if the growth they produce in socioeconomic factors is consistent with the underlying regional plans used to develop the AQMP (SCAQMD 1993). The SCAQMD primarily uses demographic growth forecasts for various socioeconomic categories (e.g., population, housing, and employment by industry) developed by the Southern California Association of Governments (SCAG) for its 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) (SCAG 2016). SCAQMD uses this document, which is based on general plans for cities and counties in the SCAB, to develop

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the AQMP emissions inventory (SCAQMD 2017a).<sup>1</sup> The SCAG RTP/SCS and associated Regional Growth Forecast are generally consistent with the local plans; therefore, the 2016 AQMP is generally consistent with local government plans.

The proposed project site is designated as Public Facilities (P) in the City General Plan (City of Moreno Valley 2017a), and the zoning designation is Moreno Valley Ranch Specific Plan – Community Facility (SP 193 CF) (City of Moreno Valley 2012a; City of Moreno Valley 2017b). According to the College Comprehensive Master Plan, the project site is not located within a campus-designated zone (RCCD 2015). The project would be consistent with the existing zoning of the proposed project site. The SCAG RTP/SCS growth projections for employment for the City show 31,400 persons in 2012 and 83,200 in 2040, or an additional 1,850 jobs per year. The project is expected to employ up to 50 persons. As such, since the proposed project is not anticipated to result in residential population growth or generate an increase in employment that would conflict with existing employment population projections, it would not conflict with or exceed the assumptions in the 2016 AQMP. Accordingly, the proposed project is consistent with the SCAG RTP/SCS forecasts used in the SCAQMD AQMP development.

In summary, based on the considerations presented for the two criteria, impacts relating to the proposed project's potential to conflict with or obstruct implementation of the applicable AQMP would be less than significant.

- b) ***Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?***

***Less-than-Significant Impact.*** A quantitative analysis was conducted to determine whether the proposed project might result in emissions of criteria air pollutants that may cause exceedances of the NAAQS or CAAQS, or cumulatively contribute to existing nonattainment of ambient air quality standards. Criteria air pollutants include ozone (O<sub>3</sub>), nitrogen dioxide

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<sup>1</sup> Information necessary to produce the emissions inventory for the South Coast Air Basin (SCAB) is obtained from the South Coast Air Quality Management District (SCAQMD) and other governmental agencies, including the California Air Resources Board (CARB), California Department of Transportation, and Southern California Association of Governments (SCAG). Each of these agencies is responsible for collecting data (e.g., industry growth factors, socioeconomic projections, travel activity levels, emission factors, emission speciation profile, and emissions) and developing methodologies (e.g., model and demographic forecast improvements) required to generate a comprehensive emissions inventory. SCAG incorporates these data into its Travel Demand Model for estimating/projecting vehicle miles traveled and driving speeds. SCAG's socioeconomic and transportation activities projections in their 2016–2040 Regional Transportation Plan/Sustainable Communities Strategy are integrated in the 2016 Air Quality Management Plan (SCAQMD 2017a).

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(NO<sub>2</sub>), carbon monoxide (CO), sulfur dioxide, particulate matter with an aerodynamic diameter less than or equal to 10 microns (PM<sub>10</sub>; coarse particulate matter), particulate matter with an aerodynamic diameter less than or equal to 2.5 microns (PM<sub>2.5</sub>; fine particulate matter), and lead. Pollutants that are evaluated herein include volatile organic compounds (VOCs) and oxides of nitrogen (NO<sub>x</sub>), which are important because they are precursors to O<sub>3</sub>, as well as CO, sulfur oxides (SO<sub>x</sub>), PM<sub>10</sub>, and PM<sub>2.5</sub>.

Regarding NAAQS and CAAQS attainment status,<sup>2</sup> the SCAB is designated as a nonattainment area for federal and state O<sub>3</sub> and PM<sub>2.5</sub> standards (CARB 2017a; EPA 2018a). The SCAB is also designated as a nonattainment area for state PM<sub>10</sub> standards; however, it is designated as an attainment area for federal PM<sub>10</sub> standards. The SCAB is designated as an attainment area for federal and state CO and NO<sub>2</sub> standards, as well as for state sulfur dioxide standards. Although the SCAB has been designated as nonattainment for the federal rolling 3-month average lead standard, it is designated attainment for the state lead standard.<sup>3</sup>

The proposed project would result in emissions of criteria air pollutants for which the California Air Resources Board (CARB) and U.S. Environmental Protection Agency (EPA) have adopted ambient air quality standards (i.e., the NAAQS and CAAQS). Projects that emit these pollutants have the potential to cause, or contribute to, violations of these standards. The SCAQMD CEQA Air Quality Significance Thresholds, as revised in March 2015, set forth quantitative emission significance thresholds for criteria air pollutants, which, if exceeded, would indicate the potential for a project to contribute to violations of the NAAQS or CAAQS. Table 3.3-1 lists the revised SCAQMD Air Quality Significance Thresholds (SCAQMD 2015).

**Table 3.3-1  
South Coast Air Quality Management District Air Quality Significance Thresholds**

Criteria Pollutants Mass Daily Thresholds		
<i>Pollutant</i>	<i>Construction (in pounds/day)</i>	<i>Operation (in pounds/day)</i>
VOC	75	55
NO <sub>x</sub>	100	55

<sup>2</sup> An area is designated as in attainment when it is in compliance with the National Ambient Air Quality Standards and/or the California Ambient Air Quality Standards. These standards for the maximum level of a given air pollutant that can exist in the outdoor air without unacceptable effects on human health or the public welfare are set by the U.S. Environmental Protection Agency and CARB, respectively. Attainment = meets the standards; attainment/maintenance = achieves the standards after a nonattainment designation; nonattainment = does not meet the standards.

<sup>3</sup> The phase-out of leaded gasoline started in 1976. Since gasoline no longer contains lead, the project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

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**Table 3.3-1  
South Coast Air Quality Management District Air Quality Significance Thresholds**

Criteria Pollutants Mass Daily Thresholds		
CO	550	550
SO <sub>x</sub>	150	150
PM <sub>10</sub>	150	150
PM <sub>2.5</sub>	55	55
Lead <sup>a</sup>	3	3
Toxic Air Contaminants and Odor Thresholds		
Toxic air contaminants <sup>b</sup>	Maximum incremental cancer risk $\geq$ 10 in 1 million Cancer Burden > 0.5 excess cancer cases (in areas $\geq$ 1 in 1 million) Chronic and Acute Hazard index $\geq$ 1.0 (project increment)	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	

**Source:** SCAQMD 2015.

**Notes:** VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); PM<sub>2.5</sub> = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District;

<sup>a</sup> The phaseout of leaded gasoline started in 1976. Since gasoline no longer contains lead, the proposed project is not anticipated to result in impacts related to lead; therefore, it is not discussed in this analysis.

<sup>b</sup> Toxic air contaminants include carcinogens and noncarcinogens.

The project would result in a substantial contribution to an existing air quality violation of the NAAQS or CAAQS for O<sub>3</sub>, which is a nonattainment pollutant, if the proposed project's construction or operational emissions would exceed the SCAQMD VOC or NO<sub>x</sub> thresholds shown in Table 3.3-1. These emission-based thresholds for O<sub>3</sub> precursors are intended to serve as a surrogate for an "ozone significance threshold" (i.e., the potential for adverse O<sub>3</sub> impacts to occur) because O<sub>3</sub> itself is not emitted directly, and the effects of an individual project's emissions of O<sub>3</sub> precursors (i.e., VOCs and NO<sub>x</sub>) on O<sub>3</sub> levels in ambient air cannot be determined through air quality models or other quantitative methods.

The California Emissions Estimator Model (CalEEMod) Version 2016.3.2 was used to estimate emissions from construction and operation of the project. CalEEMod is a statewide computer model developed in cooperation with air districts throughout the state to quantify criteria air pollutant emissions associated with construction and operational activities from a variety of land use projects, including colleges. The following discussion quantitatively evaluates project-generated construction and operational emissions and impacts that would result from implementation of the proposed project.

### Construction Emissions

Construction of the proposed project would result in the temporary addition of pollutants to the local airshed caused by on-site sources (e.g., off-road construction equipment, soil

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disturbance, and VOC off-gassing from architectural coatings and asphalt pavement application) and off-site sources (e.g., vendor trucks, haul trucks, and worker vehicle trips). Specifically, entrained dust results from the exposure of earth surfaces to wind from the direct disturbance and movement of soil, resulting in PM<sub>10</sub> and PM<sub>2.5</sub> emissions. Internal combustion engines used by construction equipment, haul trucks, vendor trucks (i.e., delivery trucks), and worker vehicles would result in emissions of VOC, NO<sub>x</sub>, CO, PM<sub>10</sub>, and PM<sub>2.5</sub>. Application of architectural coatings, such as exterior paint and other finishes, and application of asphalt pavement would also produce VOC emissions. Construction emissions can vary substantially from day to day depending on the level of activity; the specific type of operation; and, for dust, the prevailing weather conditions.

For purposes of estimating proposed project emissions, and based on information provided by the District, it is assumed that construction of the project would commence in June 2020<sup>4</sup> and would last approximately 12 months. The analysis contained herein is based on the following subset area schedule assumptions (duration of phases is approximate). The majority of the phases listed below would occur concurrently and would not occur sequentially in isolation. Detailed construction equipment modeling assumptions are provided in Appendix A-1.

- Site preparation: 2 days.
- Grading: 5 days.
- Trenching: 1 month.
- Building Construction: 10 months.
- Paving: 10 days.
- Architectural coating: 10 days.

General construction equipment modeling assumptions are provided in Table 3.3-2. Default values for equipment mix, horsepower, and load factor provided in CalEEMod were used for all construction equipment. For the analysis, it was generally assumed that heavy-duty construction equipment would be operating at the site 5 days per week, up to a maximum of 7 hours per day. Detailed construction equipment modeling assumptions are provided in Appendix A-1.

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<sup>4</sup> The analysis assumes a construction start date of June 2020, which represents the earliest date construction would initiate. Assuming the earliest start date for construction represents the worst-case scenario for criteria air pollutant emissions because equipment and vehicle emission factors for later years would be slightly less due to more stringent standards for in-use off-road equipment and heavy-duty trucks, as well as fleet turnover replacing older equipment and vehicles in later years.



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**Table 3.3-2  
Construction Workers, Vendor Trips, and Equipment Use per Day**

Construction Phase	One-Way Vehicle Trips			Equipment		
	Average Daily Worker Trips	Average Daily Vendor Truck Trips	Total Haul Truck Trips	Equipment Type	Quantity	Usage Hours
Site preparation	8	0	0	Graders	1	7
				Rubber Tired Dozers	1	7
				Tractors/Loaders/Backhoes	1	7
Grading	8	0	0	Graders	1	6
				Rubber Tired Dozers	1	6
				Tractors/Loaders/Backhoes	1	7
Trenching	6	0	364	Tractors/Loaders/Backhoes	1	7
				Trenchers	1	7
Building Construction	22	8	0	Cranes	1	6
				Forklifts	1	6
				Tractors/Loaders/Backhoes	1	6
				Welders	3	7
Paving	14	0	0	Cement and Mortar Mixers	1	6
				Pavers	1	6
				Paving Equipment	1	7
				Rollers	1	7
				Tractors/Loaders/Backhoes	1	7
Architectural coating	4	0	0	Air Compressors	1	6

See Appendix A-1 for additional details.

VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers used during construction of the project. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emissions factor, the building square footage, and the assumed fraction of surface area. VOC rates of 100 grams per liter for interior and exterior coatings were assumed consistent with CalEEMod default values. Table 3.3-3 shows the estimated maximum daily construction emissions associated with the construction phase of the proposed project.

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**Table 3.3-3  
Estimated Maximum Daily Construction Criteria Air Pollutant Emissions**

Year	VOCs	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub> <sup>a</sup>	PM <sub>2.5</sub> <sup>a</sup>
	<i>Pounds per Day</i>					
2020	1.64	17.32	9.92	0.02	3.13	1.89
2021	17.22	10.73	9.58	0.02	0.79	0.55
<i>Maximum</i>	17.22	17.32	9.92	0.02	3.13	1.89
<i>SCAQMD threshold</i>	75	100	550	150	150	55
<b>Threshold exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** SCAQMD 2015.

**Notes:** VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); PM<sub>2.5</sub> = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District.

See Appendix A-1 for detailed results.

<sup>a</sup> These estimates reflect control of fugitive dust (watering three times daily) required by SCAQMD Rule 403 (SCAQMD 2005).

As shown in Table 3.3-3, the proposed project’s maximum daily construction emissions would not exceed the SCAQMD thresholds for any criteria air pollutant.

### Operational Emissions

Operation of the proposed project would generate VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> emissions from area sources, energy sources, and mobile sources, which are discussed below. Operational year 2021 was assumed based upon construction completion.

### Area Sources

CalEEMod was used to estimate operational emissions from area sources, including emissions from consumer product use, architectural coatings, and landscape maintenance equipment. Emissions associated with natural gas usage in space heating and water heating are calculated in the building energy use module of CalEEMod, as described in the following text. The model also calculates the emissions from the combustion of wood or natural gas in stoves and fireplaces. The project does not include stoves or fireplaces.

Consumer products are chemically formulated products used by household and institutional consumers, including detergents; cleaning compounds; polishes; floor finishes; cosmetics; personal care products; home, lawn, and garden products; disinfectants; sanitizers; aerosol paints; and automotive specialty products. Other paint products, furniture coatings, or architectural coatings are not considered consumer products (CAPCOA 2017). Consumer product VOC emissions are estimated in CalEEMod based on the floor area of non-residential buildings and on the default factor of pounds of VOC per building square foot per day. The CalEEMod default values for consumer products were assumed.

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VOC off-gassing emissions result from evaporation of solvents contained in surface coatings such as in paints and primers using during building maintenance. CalEEMod calculates the VOC evaporative emissions from application of surface coatings based on the VOC emission factor, the building square footage, the assumed fraction of surface area, and the reapplication rate. The VOC emission factor is based on the VOC content of the surface coatings, and SCAQMD's Rule 1113 (Architectural Coatings) governs the VOC content for interior and exterior coatings. The model default reapplication rate of 10% of area per year is assumed. Consistent with CalEEMod defaults, it is assumed that the surface area for painting equals 2.7 times the floor square footage, with 75% assumed for interior coating and 25% assumed for exterior surface coating (CAPCOA 2017). As a conservative measure, CalEEMod default VOC contents were assumed for the reapplication of architectural coatings.

Landscape maintenance includes fuel combustion emissions from equipment such as lawn mowers, rototillers, shredders/grinders, blowers, trimmers, chainsaws, and hedge trimmers. The emissions associated from landscape equipment use are estimated based on CalEEMod default values for emission factors (grams per square foot of building space per day) and number of summer days (when landscape maintenance would generally be performed) and winter days. For the SCAB, the average annual number of summer days is estimated at 250 days (CAPCOA 2017).

### *Energy Sources*

As represented in CalEEMod, energy sources include emissions associated with building electricity and natural gas usage (non-hearth). Electricity use would contribute indirectly to criteria air pollutant emissions; however, the emissions from electricity use are only quantified for GHGs in CalEEMod, since criteria pollutant emissions occur at the power plant, which is typically off site.

CalEEMod default values for energy consumption for the land use was applied for the project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end-use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the heating, ventilation, and air conditioning (HVAC) system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous "plug-in" uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California's building standards. The current Title 24, Part 6 standards, referred to as the 2016 Title 24 Building Energy Efficiency Standards, became effective on January 1, 2017. The Title 24

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2016 standards are assumed within the CalEEMod (CAPCOA 2017). The 2019 Title 24 Building Energy Efficiency Standards, which will be effective January 1, 2020, will further reduce energy used and associated emissions compared to current standards.

### *Mobile Sources*

Following the completion of construction activities, the project would generate criteria pollutant emissions from mobile sources (vehicular traffic), as a result of staff, students, and employee trips to and from the project. The maximum weekday trip rates were taken from Section 3.17, Transportation, and were assumed to be 350 one-way trips per day. The maximum weekday trip rate was then scaled up or down according to the CalEEMod default ratio according to the land use for the weekend. CalEEMod was used to estimate emissions from proposed vehicular sources (refer to Appendix A-1). CalEEMod default data, including trip characteristics, emissions factors, and trip distances, were conservatively used for the model inputs. Project-related traffic was assumed to include a mixture of vehicles in accordance with CalEEMod default values. Emission factors representing the vehicle mix and emissions for 2021 were used to estimate emissions associated with vehicular sources. The 2021 operational year represents the first year of project build out and would represent maximum daily operational emissions.

Table 3.3-4 presents the maximum daily emissions associated with operation of the proposed project in 2021 at build out. The values shown are the maximum summer and winter daily emissions results from CalEEMod. Complete details of the emissions calculations are provided in Appendix A-1.

**Table 3.3-4  
Estimated Maximum Daily Operational Criteria Air Pollutant Emissions**

Emission Source	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
	<i>pounds per day</i>					
Area	0.40	0.00	0.00	0.00	0.00	0.00
Energy	0.01	0.06	0.05	0.00	0.01	0.01
Mobile	0.62	3.14	7.93	0.03	2.27	0.62
<b>Total</b>	<b>1.03</b>	<b>3.21</b>	<b>7.99</b>	<b>0.03</b>	<b>2.28</b>	<b>0.63</b>
SCAQMD Threshold	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Notes:**

VOC = volatile organic compound; NO<sub>x</sub> = oxides of nitrogen; CO = carbon monoxide; SO<sub>x</sub> = sulfur oxides; PM<sub>10</sub> = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); PM<sub>2.5</sub> = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District.

See Appendix A-1 for complete results.

The values shown are the maximum summer or winter daily emissions results from CalEEMod, output and operational year 2021. The total values may not add up exactly due to rounding.

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As shown in Table 3.3-4, maximum daily operational emissions of VOC, NO<sub>x</sub>, CO, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> generated by the proposed project would not exceed the SCAQMD's significance thresholds.

Air pollution is largely a cumulative impact. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Based on these considerations, project-level thresholds of significance for criteria pollutants are used in the determination of whether a project's individual emissions would have a cumulatively considerable contribution on air quality. If a project's emissions would exceed the SCAQMD significance thresholds, it would be considered to have a cumulatively considerable contribution. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant (Goss and Kroeger 2003).

As previously discussed, the SCAB has been designated as a federal nonattainment area for O<sub>3</sub> and PM<sub>2.5</sub>, and a state nonattainment area for O<sub>3</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. The nonattainment status is the result of cumulative emissions from various sources of air pollutants and their precursors within the SCAB, including motor vehicles, off-road equipment, and commercial and industrial facilities. Construction and operational activities of the proposed project would generate VOC and NO<sub>x</sub> emissions (precursors to O<sub>3</sub>) and emissions of PM<sub>10</sub> and PM<sub>2.5</sub>. However, as indicated in Tables 3.3-3 and 3.3-4, project-generated emissions would not exceed the SCAQMD emission-based significance thresholds for VOCs, NO<sub>x</sub>, PM<sub>10</sub>, or PM<sub>2.5</sub>.

Cumulative localized impacts would potentially occur if a project were to occur concurrently with another off-site project. Schedules for potential future projects near the project area are currently unknown; therefore, potential impacts associated with two or more simultaneous projects would be considered speculative.<sup>5</sup> However, future projects would be subject to CEQA and would require air quality analysis and, where necessary, mitigation. Criteria air pollutant emissions associated with construction activity of future projects would be reduced through implementation of control measures required by the SCAQMD. Cumulative PM<sub>10</sub> and PM<sub>2.5</sub> emissions would be reduced because all future projects would be subject to SCAQMD Rule 403 (Fugitive Dust), which sets forth general and specific requirements for all sites in the SCAQMD.

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<sup>5</sup> The California Environmental Quality Act (CEQA) Guidelines state that if a particular impact is too speculative for evaluation, the agency should note its conclusion and terminate discussion of the impact (14 CCR 15145).

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Therefore, the proposed project would not result in a cumulatively considerable increase in emissions of nonattainment pollutants, and impacts would be less than significant during construction and operation.

c) ***Would the project expose sensitive receptors to substantial pollutant concentrations?***

***Less-than-Significant Impact.*** The project would not expose sensitive receptors to substantial pollutant concentrations as evaluated below.

### **Sensitive Receptors**

Sensitive receptors are those individuals more susceptible to the effects of air pollution than the population at large. People most likely to be affected by air pollution include children, the elderly, and people with cardiovascular and chronic respiratory diseases. According to the SCAQMD, sensitive receptors include sites such as residences, schools, playgrounds, childcare centers, long-term healthcare facilities, rehabilitation centers, convalescent centers, and retirement homes (SCAQMD 1993).

There is an existing playground located 522 feet south of the proposed project site and residences 660 feet west and 730 feet south of the proposed project site.

### **Localized Significance Thresholds**

The SCAQMD recommends a localized significance threshold (LST) analysis to evaluate localized air quality impacts to sensitive receptors in the immediate vicinity of the project as a result of proposed project activities. The impacts were analyzed using methods consistent with those in the SCAQMD's Final Localized Significance Threshold Methodology (2008). The project is located within Source-Receptor Area 24 (Perris Valley). This analysis applies the SCAQMD LST values for a 1-acre site within Source-Receptor Area 24 with a receptor distance of 100 meters (330 feet), given that daily disturbed area for the proposed project would be less than 1 acre. This is conservative since the closest sensitive receptor is 522 feet away.

Project construction activities would result in temporary sources of on-site criteria air pollutant emissions associated with off-road equipment exhaust and fugitive dust generation. According to the Final Localized Significance Threshold Methodology, "off-site mobile emissions from the project should not be included in the emissions compared to the LSTs" (SCAQMD 2008a). Trucks and worker trips associated with the proposed project are not expected to cause substantial air quality impacts to sensitive receptors along off-site roadways since emissions would be relatively brief in nature and would cease once

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the vehicles pass through the main streets. Therefore, off-site emissions from trucks and worker vehicle trips are not included in the LST analysis. The maximum daily on-site emissions generated construction of the proposed project in each construction year are presented in Table 3.3-5 and compared to the SCAQMD localized significance criteria for Source-Receptor Area 24 to determine whether project-generated on-site emissions would result in potential LST impacts.

**Table 3.3-5  
Construction Localized Significance Thresholds Analysis**

Year	NO <sub>2</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
	<i>Pounds per Day (On Site)<sup>a</sup></i>			
2020	17.30	9.06	3.04	1.87
2021	10.40	8.79	0.49	0.47
<i>Maximum</i>	<i>17.30</i>	<i>9.06</i>	<i>3.04</i>	<i>1.87</i>
<i>SCAQMD LST Criteria</i>	<i>212</i>	<i>1,746</i>	<i>30</i>	<i>8</i>
<b>Threshold Exceeded?</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>No</b>

**Source:** SCAQMD 2008a.

**Notes:** NO<sub>2</sub> = nitrogen dioxide; CO = carbon monoxide; PM<sub>10</sub> = particulate matter with a diameter less than or equal to 10 microns (coarse particulate matter); PM<sub>2.5</sub> = particulate matter with a diameter less than or equal to 2.5 microns (fine particulate matter); SCAQMD = South Coast Air Quality Management District; LST = localized significance threshold.

See Appendix A-1 for detailed results.

<sup>a</sup> Localized significance thresholds are shown for a 1-acre disturbed area corresponding to a distance to a sensitive receptor of 100 meters in Source-Receptor Area 24 (Perris Valley).

As shown in Table 3.3-5, proposed construction activities would not generate emissions in excess of site-specific LSTs; therefore, localized impacts of the proposed project would be less than significant.

### CO Hotspots

Traffic-congested roadways and intersections have the potential to generate localized high levels of CO. Localized areas where ambient concentrations exceed federal and/or state standards for CO are termed “CO hotspots.” The transport of CO is extremely limited, as it disperses rapidly with distance from the source. Under certain extreme meteorological conditions, however, CO concentrations near a congested roadway or intersection may reach unhealthy levels, affecting sensitive receptors. Typically, high CO concentrations are associated with severely congested intersections operating at an unacceptable level of service (LOS) (LOS E or worse is unacceptable). Projects contributing to adverse traffic impacts may result in the formation of a CO hotspot. Additional analysis of CO hotspot impacts would be conducted if a project would result in a significant impact or contribute to an adverse traffic impact at a signalized intersection that would potentially subject

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sensitive receptors to CO hotspots. As provided in Section 3.17, the proposed project would not cause the LOS to operate at an unacceptable level.

Accordingly, the proposed project would not generate traffic that would contribute to potential adverse traffic impacts that may result in the formation of CO hotspots. This conclusion is supported by the analysis in Section 3.17, which demonstrates that traffic impacts would be less than significant. In addition, due to continued improvement in vehicular emissions at a rate faster than the rate of vehicle growth and/or congestion, the potential for CO hotspots in the SCAB is steadily decreasing. Based on these considerations, the proposed project would result in a less-than-significant impact to air quality with regard to potential CO hotspots.

### **Toxic Air Contaminants**

As a precautionary measure, a health risk assessment (HRA) was performed to assess the impact of construction on sensitive receptors proximate to the project site (see Appendix A-2, Construction Health Risk Assessment Files). A HRA was performed to evaluate emissions from construction of the project based on the methodologies prescribed in the Office of Environmental Health Hazard Assessment (OEHHA) Air Toxics Hot Spots Program Risk Assessment Guidelines – Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2015). To implement the OEHHA Guidelines based on project information, the SCAQMD has developed a three-tiered approach; each successive tier is progressively more refined, with fewer conservative assumptions. The SCAQMD Modeling Guidance for the American Meteorological Society/EPA Regulatory Model (AERMOD) provides guidance with which to perform HRAs within the SCAB (SCAQMD 2017b).

Health effects from carcinogenic air toxics are usually described in terms of cancer risk. The SCAQMD recommends a carcinogenic (cancer) risk threshold of 10 in 1 million. Additionally, some toxic air contaminants (TACs) increase non-cancer health risk due to long-term (chronic) exposures. The Chronic Hazard Index is the sum of the individual substance chronic hazard indices for all TACs affecting the same target organ system. The SCAQMD recommends a Chronic Hazard Index significance threshold of 1.0 (project increment). The exhaust from diesel engines is a complex mixture of gases, vapors, and particles, many of which are known human carcinogens. Diesel particulate matter (DPM) has established cancer risk factors and relative exposure values for long-term chronic health hazard impacts. No short-term, acute relative exposure level has been established for DPM; therefore, acute impacts of DPM are not addressed in this assessment. This HRA evaluated the risk to existing residents from diesel emissions from exhaust from on-site construction equipment and diesel haul and vendor trucks.



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The dispersion modeling of DPM was performed using AERMOD, which is the model SCAQMD requires for atmospheric dispersion of emissions. AERMOD is a steady-state Gaussian plume model that incorporates air dispersion based on planetary boundary layer turbulence structure and scaling concepts, including treatment of surface and elevated sources, building downwash, and simple and complex terrain (EPA 2018b). For the project, AERMOD was run with all sources emitting unit emissions (1 gram per second) to obtain the “X/Q” values. X/Q is a dispersion factor that is the average effluent concentration normalized by source strength and is used as a way to simplify the representation of emissions from many sources. The X/Q values of ground-level concentrations were determined for construction emissions using AERMOD and the maximum concentrations determined for the 1-hour and period-averaging periods. Principal parameters of this modeling are presented in Table 3.3-6.

**Table 3.3-6  
American Meteorological Society/EPA Regulatory Model Principal Parameters**

Parameter	Details
Meteorological Data	The latest 5-year meteorological data (2010, 2011, and 2014–2016) for the Perris Station from SCAQMD were downloaded and then input to AERMOD. For cancer or chronic non-cancer risk assessments, the average cancer risk of all years modeled was used.
Urban versus Rural Option	Urban areas typically have more surface roughness, as well as structures and low-albedo surfaces that absorb more sunlight—and thus more heat—relative to rural areas. Based on the SCAQMD guidelines and the project location, the urban dispersion option was selected.
Terrain Characteristics	The terrain in the vicinity of the modeled project site is relatively flat. The elevation of the modeled site is 1,555 feet above sea level. Digital elevation model files were imported into AERMOD so that complex terrain features were evaluated as appropriate.
Elevation Data	Digital elevation data were imported into AERMOD, and elevations were assigned to the emission sources and receptors. Digital elevation data were obtained through AERMOD View in the United States Geological Survey’s National Elevation Dataset format with a 10-meter resolution.
Emission Sources and Release Parameters	Air dispersion modeling of DPM from construction equipment and diesel vehicles was conducted using emissions estimated using the CalEEMod, assuming emissions would occur up to 8 hours per day, 5 days per week. The project site was modeled as a series of volume sources.
Source Release Characterizations	The source release height was assumed to be 5 meters. The length of the volume sources were assumed to be 10 meters on each side with an initial lateral and vertical dimension of 4.65 meters.
Receptors	A uniform Cartesian grid of 20-meter spacing was placed over the residential receptors nearest to the project site and then converted to discrete receptors.

**Notes:** See Appendix A-2.

EPA = U.S. Environmental Protection Agency; SCAQMD = South Coast Air Quality Management District; AERMOD = American Meteorological Society/EPA Regulatory Model; DPM = diesel particulate matter; CalEEMod = California Emissions Estimator Model.

Dispersion model plot files from AERMOD were then imported into CARB’s Hotspots Analysis and Reporting Program Version 2 to determine health risk, which requires peak 1-hour emission rates and annual-averaged emission rates for all pollutants for each modeling source. For the residential health risk, the HRA assumes exposure would start in the third

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trimester of pregnancy. Based on the HRA included in Appendix A-2, the maximally exposed individual resident would be located at the east of the project site. The results of the HRA are provided below, and detailed results and methodology are provided in Appendix A-2.

“Incremental cancer risk” is the net increased likelihood that a person continuously exposed to concentrations of TACs resulting from a project over a 9-, 30-, and 70-year exposure period would contract cancer based on the use of standard OEHHA risk-assessment methodology (OEHHA 2015). In addition, some TACs have non-carcinogenic effects. TACs that would potentially be emitted during construction activities would be DPM, emitted from heavy-duty construction equipment and heavy-duty trucks. Heavy-duty construction equipment and diesel trucks are subject to CARB Airborne Toxic Control Measures to reduce DPM emissions. According to the OEHHA, HRAs, which determine the exposure of sensitive receptors to toxic emissions, should be based on a 30-year exposure period for the maximally exposed individual resident; however, such assessments should be limited to the period/duration of activities associated with the project (OEHHA 2015). Thus, the duration of proposed construction activities (approximately 12 months) would only constitute a small percentage of the total long-term exposure period and would not result in exposure of proximate sensitive receptors to substantial TACs.

Because the project would involve construction activities in several areas across the site, the project would not require the extensive use of heavy-duty construction equipment or diesel trucks in any one location over the duration of development, which would limit the exposure of any proximate individual sensitive receptor to TACs. In addition, due to the relatively short period of exposure at any individual sensitive receptor (less than 1 year) and minimal particulate emissions generated on site, TACs generated during construction would not be expected to result in concentrations that could cause significant health risks.

However, as a precautionary measure a HRA was performed to evaluate the risk from diesel exhaust emissions on existing sensitive receptors from construction activities. The HRA detailed assessment is provided in Appendix A-2. The results of the HRA for project construction are summarized in Table 3.3-7.

**Table 3.3-7  
Construction Activity Health Risk Assessment Results**

Impact Parameter	Units	Proposed Project Impact	CEQA Threshold	Level of Significance
Cancer Risk	Per Million	9.5	10.0	Less than Significant
HIC	Not Applicable	0.01	1.0	Less than Significant

Source: Appendix A-2.

Notes: CEQA = California Environmental Quality Act; HIC = Chronic Hazard Index.

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The results of the HRA demonstrate that the TAC exposure from construction diesel exhaust emissions would result in an on-site cancer risk less than the 10 in 1 million threshold, as well as a Chronic Hazard Index less than 1, resulting in a less-than-significant impact.

As determined in Table 3.3-7, the cancer risk at the maximally exposed individual resident exceeds 1 in 1 million; therefore the cancer burden, for which the SCAQMD significance threshold is 0.5, is evaluated. Unlike cancer risk, which is the lifetime probability (chance) of an individual developing cancer due to exposure to a carcinogenic compound, cancer burden estimates the number of theoretical cancer cases in a defined population resulting from a lifetime exposure to carcinogenic TACs. As described in the OEHHA guidance manual (OEHHA 2015):

The cancer burden can be calculated by multiplying the cancer risk at a census block centroid by the number of people who live in the census block, and adding up the estimated number of potential cancer cases across the zone of impact. The result of this calculation is a single number that is intended to estimate of the number of potential cancer cases within the population that was exposed to the emissions for a lifetime (70 years).

The SCAQMD has established a procedural screening approach for estimating cancer burden (SCAQMD 2017b), which includes the following steps:

- Recalculate cancer risk from all TACs using a 70-year exposure duration;
- Estimate the distance at which the at which maximum individual cancer risk from a 70-year exposure duration falls below 1 in a million;
- Define a zone of impact in the shape of a circle, with the radius equal to the distance between the TAC source and the point at which the risk falls below 1 in a million;
- Estimate the residential population within this zone of impact based on census data or a worse-case estimate;
- Calculate the screening level cancer burden by multiplying the total residential population in the zone of impact by the maximum individual cancer risk.

Accordingly, the maximum estimated 70-year cancer risk for the project was estimated at 52.6 in 1 million with HARP2 using the Population-Wide option in the model, which is specified for use in cancer burden estimates. The zone of impact was estimated to be 3.08 square-kilometers. The total population in this area was estimated to be approximately 5,417 persons, based on the average densities of the census tracts that would be within the zone of impact (Census Tracts 483, 490, and 511) (U.S. Census Bureau 2016). Multiplying the maximum estimated 70-year cancer risk by the project population gives a cancer burden of 0.28.

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Accordingly, the cancer burden indicates that less than one person could contract cancer assuming a 70-year exposure under the modeled scenario of TAC emissions and provided that other factors related to an individual's susceptibility to contracting cancer would occur. This would be less than the SCAQMD cancer burden threshold of 0.5. Thus, the impact with respect to potential cancer burden due to construction of the project would be less than significant.

### Health Impacts of Criteria Air Pollutants

Operation of the proposed project would generate criteria air pollutant emissions; however, the project would not exceed the SCAQMD mass-emission thresholds.

The SCAB is designated as nonattainment for O<sub>3</sub> for the NAAQS and CAAQS. Thus, existing O<sub>3</sub> levels in the SCAB are at unhealthy levels during certain periods. The health effects associated with O<sub>3</sub> generally result in reduced lung function. Because the proposed project would not involve activities that would result in O<sub>3</sub> precursor emissions (i.e., VOCs or NO<sub>x</sub>) that would exceed the SCAQMD thresholds, as shown in Tables 3.3-3 and 3.3-4, the proposed project is not anticipated to substantially contribute to regional O<sub>3</sub> concentrations and its associated health impacts during construction or operation.

In addition to O<sub>3</sub>, NO<sub>x</sub> emissions contribute to potential exceedances of the NAAQS and CAAQS for NO<sub>2</sub>. Exposure to NO<sub>2</sub> and NO<sub>x</sub> can irritate the lungs, cause bronchitis and pneumonia, and lower resistance to respiratory infections. As shown in Tables 3.3-3 and 3.3-4, proposed project construction and operations would not exceed the SCAQMD NO<sub>x</sub> threshold, and existing ambient NO<sub>2</sub> concentrations would be below the NAAQS and CAAQS. Thus, the proposed project is not expected to result in exceedances of the NO<sub>2</sub> standards or contribute to associated health effects.

CO tends to be a localized impact associated with congested intersections. In terms of adverse health effects, CO competes with oxygen, often replacing it in the blood, thereby reducing the blood's ability to transport oxygen to vital organs. The results of excess CO exposure can include dizziness, fatigue, and impairment of central nervous system functions. CO hotspots were discussed previously as a less-than-significant impact. Thus, the proposed project's CO emissions would not contribute to the health effects associated with this pollutant.

The SCAB is designated as nonattainment for PM<sub>10</sub> under the CAAQS and nonattainment for PM<sub>2.5</sub> under the NAAQS and CAAQS. Particulate matter contains microscopic solids or liquid droplets that are so small that they can get deep into the lungs and cause serious health problems. Particulate matter exposure has been linked to a variety of problems, including premature death in people with heart or lung disease; nonfatal heart attacks;

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irregular heartbeat; aggravated asthma; decreased lung function; and increased respiratory symptoms such as irritation of the airways, coughing, or difficulty breathing (EPA n.d.). As with O<sub>3</sub> and NO<sub>x</sub>, and as shown in Tables 3.3-3 and 3.3-4, the proposed project would not generate emissions of PM<sub>10</sub> or PM<sub>2.5</sub> that would exceed the SCAQMD's thresholds. Accordingly, the proposed project's PM<sub>10</sub> and PM<sub>2.5</sub> emissions are not expected to cause any increase in related regional health effects for this pollutant.

In summary, the proposed project would not result in a potentially significant contribution to regional concentrations of nonattainment pollutants, and would not result in a significant contribution to the adverse health impacts associated with those pollutants. Therefore, impacts would be less than significant.

d) ***Would the project result in other emissions (such as those leading to odors adversely affecting a substantial number of people?)***

***Less-than-Significant Impact.*** The occurrence and severity of potential odor impacts depends on numerous factors. The nature, frequency, and intensity of the source; the wind speeds and direction; and the sensitivity of receiving location each contribute to the intensity of the impact. Although offensive odors seldom cause physical harm, they can be annoying and cause distress among the public and generate citizen complaints.

Odors would be potentially generated from vehicles and equipment exhaust emissions during construction of the project. Potential odors produced during construction would be attributable to concentrations of unburned hydrocarbons from tailpipes of construction equipment, architectural coatings, and asphalt pavement application. Such odors would disperse rapidly from the project site and generally occur at magnitudes that would not affect substantial numbers of people. Therefore, impacts associated with odors during construction would be less than significant.

Land uses and industrial operations associated with odor complaints include agricultural uses, wastewater treatment plants, food-processing plants, chemical plants, composting, refineries, landfills, dairies, and fiberglass molding (SCAQMD 1993). The project entails operation of an educational welcome center. Therefore, project operations would result in an odor impact that is less than significant.

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IV. BIOLOGICAL RESOURCES – Would the project:</b>				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.4 Biological Resources

The following analysis relies on a biological resources assessment conducted by Dudek in November 2018. This assessment included a review of the latest available relevant literature, published research, maps, soil data, data on biological baselines, special-status habitats, and species distributions to determine those resources that have the potential to occur within the 191,452 square-foot project site and surrounding 500-foot buffer (the biological study area) (Figure 5, Biological Study Area). Dudek searched the California Department of Fish and Wildlife (CDFW) California Natural Diversity Database (CNDDDB) (CDFW 2018a–d), the California Native Plant Society (CNPS) Inventory of Rare and Endangered Plants (CNPS 2018), and the U.S. Fish and Wildlife Service (USFWS) occurrence data (USFWS 2018a) to identify special-status biological resources from the region. The CNDDDB and

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CNPS were searched based on the U.S. Geological Survey 7.5-minute topographic quadrangle maps for Sunnymead, where the project site is located, as well as the surrounding eight U.S. Geological Survey 7.5-minute quadrangle maps (i.e., El Casco, Lakeview, Perris, Redlands, Riverside East, San Bernardino South, Steele Peak, and Yucaipa). Potential and/or historic drainages and aquatic features were investigated based on a review of U.S. Geological Survey topographic maps (1:24,000 scale), aerial photographs, the National Wetland Inventory database (USFWS 2018b), and the Natural Resource Conservation Service Web Soil Survey (USDA 2018a). In addition, Dudek conducted a Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) consistency assessment including the following requirements of the MSHCP (relevant MSHCP sections are identified in parentheses): Riparian/Riverine, Vernal Pool, and Fairy Shrimp Requirements (Section 6.1.2); Species Survey Requirements (Sections 6.1.3 and 6.3.2); and Urban/Wildlife Interface Guidelines (Section 6.1.4).

Special-status biological resources include those species that are (1) listed, proposed for listing, or candidates for listing under the federal Endangered Species Act as threatened or endangered; (2) listed or candidates for listing under the California Endangered Species Act as threatened or endangered; (3) a state fully protected species; (4) a CDFW Species of Special Concern; (5) a species listed on the CNPS Inventory of Rare and Endangered Plants with a California Rare Plant Rank of 1B or 2B; or (6) an MSHCP covered species. Special-status vegetation communities are those communities identified as high priority for inventory in the CDFW List of Vegetation Alliances and Associations (or Natural Communities List; CDFG 2010), which is based on *A Manual of California Vegetation*, Second Edition (Sawyer et. al. 2009), by a state rarity ranking of S1, S2, or S3.

Following the literature review, Dudek biologist Ryan Henry conducted a reconnaissance-level survey of the site on November 15, 2018, to identify existing biological resources and confirm potential biological constraints. During the field survey, vegetation communities and land covers were catalogued and confirmed based on existing site conditions. Vegetation communities were mapped according to the CDFW Natural Communities List. Vegetation communities and/or land covers not included in the Natural Communities List followed the Orange County Habitat Classification System (Gray and Bramlet 1992). Dudek compiled a general inventory of plant and wildlife species detected by sight, calls, tracks, scat, or other field indicators, and made a determination concerning the potential for special-status species to occur within the biological study area. Additionally, Dudek conducted a preliminary investigation of the extent and distribution of U.S. Army Corps of Engineers jurisdictional waters of the United States, Regional Water Quality Control Board jurisdictional waters of the state, and CDFW jurisdictional streambed and associated riparian habitat.

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## Vegetation Communities and Plants

The biological study area contained several non-natural and disturbed land covers. Results from the general biological survey identified the following vegetation communities and land covers: black willow–mulefat association, brittle bush scrub alliance, disturbed brittle bush scrub alliance, non-urban commercial/industrial/institutional, parks and ornamental plantings, and ruderal grassland.

The black willow–mulefat association includes black willow (*Salix gooddingii*) as the dominant or co-dominant tree in the canopy; mulefat (*Baccharis salicifolia*) is dominant in the understory. This association has an open-to-intermittent tree canopy less than 66 feet (20 meters) in height with an open-to-intermittent shrub canopy and variable ground layer (Klein and Evens 2005). Species associated with the community include red willow (*Salix laevigata*), which is often present in the tree layer at low-to-moderate cover, and eucalyptus (*Eucalyptus* sp.) and western sycamore (*Platanus racemosa*), which are occasionally present at trace cover (Klein and Evens 2005). Other shrub species include arroyo willow (*Salix lasiolepis*), Emory's Baccharis (*Baccharis salicina (emoryi)*), and salt cedar (*Tamarix* sp.). This vegetation community occurs outside of the project site within the eastern portion of the biological study area and is associated with a constructed retention basin.

The brittle bush scrub alliance includes brittle bush (*Encelia farinosa*) as the dominant or co-dominant shrub in the canopy. This alliance has an open-to-intermittent shrub canopy with a sparse ground layer of seasonal annuals (Sawyer et al. 2009). Some species associated with the brittle bush scrub alliance include burrobush (*Ambrosia dumosa*), California sagebrush (*Artemisia californica*), California buckwheat (*Eriogonum fasciculatum*), chaparral yucca (*Hesperoyucca (Yucca) whipplei*), and white sage (*Salvia apiana*) (Sawyer et al. 2009). A variety of cactus species may be sparse to abundant (NatureServe 2009). This vegetation community occurs outside of the project site within the northeastern portion of the biological study area and is associated with the natural and restored habitat associated with the Edmund C. Jaeger Desert Institute.

The disturbed brittle bush scrub mapping unit is not recognized by the Natural Communities List (CDFG 2010). This mapping unit was used to differentiate areas dominated by brittle bush, but characterized by areas of disturbance. This vegetation community occurs outside of the project site within the northwestern portion of the biological study area and is associated with a disturbed, vacant parcel.

The non-urban commercial/industrial/institutional land cover consists of buildings, pavement, roads, parking areas, and generally lacks vegetation with the exception of some ornamental plantings that included species identified below for parks and ornamental plantings. This land cover type occurs throughout a majority of the biological study area.



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The parks and ornamental plantings land cover includes introduced plantings of exotic, and sometimes native, species as actively maintained landscaping. This land cover occurs throughout the central portion of the biological study area and surrounds the campus buildings, sidewalks, and access roads. Vegetation includes Aleppo pine (*Pinus halepensis*), Bermuda grass (*Cynodon dactylon*), big-leaf periwinkle (*Vinca major*), blue jacaranda (*Jacaranda mimosifolia*), blue palo verde (*Parkinsonia florida*), Brazilian peppertree (*Schinus terebinthifolius*), brome fescue (*Festuca bromoides*), California fan palm (*Washingtonia filifera*), California sycamore (*Platanus racemosa*), callery pear (*Pyrus calleryana*), camphor tree (*Cinnamomum camphora*), cherry plum (*Prunus cerasifera*), Chinese banyan (*Ficus microcarpa*), Chinese elm (*Ulmus parvifolia*), crimson bottlebrush (*Melaleuca citrina*), date palm (*Phoenix dactylifera*), deer grass (*Muhlenbergia rigens*), milkweed (*Asclepias* sp.), desert willow (*Chilopsis linearis*), Italian stone pine (*Pinus pinea*), Mexican sage (*Salvia longistyla*), oleander (*Nerium oleander*), Peruvian peppertree (*Schinus molle*), Queen palm (*Syagrus romanzoffiana*), river redgum (*Eucalyptus camaldulensis*), silk tree (*Albizia julibrissin*), sweetgum (*Liquidambar styraciflua*), Sydney golden wattle (*Acacia longifolia*), white alder (*Alnus rhombifolia*), and white flower kurrajong (*Brachychiton populneum*).

The ruderal grassland mapping unit is not recognized by the Natural Communities List (CDFG 2010). According to Gray and Bramlet (1992), ruderal grassland consists of early successional grasslands dominated by non-native, pioneering herbaceous plants and is associated with disturbed areas. This community is similar to annual grassland in that non-native species predominate over natives. However, the type of non-native species that dominate ruderal areas are generally forbs as opposed to grasses and include species in the genera *Amaranthus*, *Atriplex*, *Brassica*, *Centaurea*, *Eremocarpus*, *Malva*, and *Salsola* (Gray and Bramlet 1992).

A complete list of plants detected within the biological study area is included in Appendix B-1, Plant Compendium, of this document.

### Wildlife

Several wildlife species were observed or detected during the general field survey of the biological study area, including 17 bird species, 7 mammal species, and 1 reptile species. Bird species detected within the biological study area were American crow (*Corvus brachyrhynchos*), Anna's hummingbird (*Calypte anna*), California quail (*Callipepla californica*), California towhee (*Melospiza crissalis*), cliff swallow (*Petrochelidon pyrrhonota*), common raven (*Corvus corax*), great egret (*Ardea alba*), great horned owl (*Bubo virginianus*), greater roadrunner (*Geococcyx californianus*), house finch (*Haemorhous mexicanus*), lesser goldfinch (*Spinus psaltria*), mourning dove (*Zenaidura macroura*), northern harrier (*Circus hudsonius*), northern mockingbird (*Mimus polyglottos*), song sparrow (*Melospiza melodia*), white-crowned sparrow (*Zonotrichia*

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*leucophrys*), and yellow-rumped warbler (*Setophaga coronata*). No active bird nests were detected within the biological study area. Mammal species detected included bobcat (*Lynx rufus*), Botta's pocket gopher (*Thomomys bottae*), brush rabbit (*Sylvilagus bachmani*), coyote (*Canis latrans*), domestic dog (*Canis lupus familiaris*), mule deer (*Odocoileus hemionus*), and raccoon (*Procyon lotor*). The reptile species detected was western fence lizard (*Sceloporus occidentalis*). A complete list of wildlife detected within the biological study area is included in Appendix B-2, Wildlife Compendium, of this document.

### Western Riverside MSHCP

The project site is located in the Reche Canyon/Badlands Area Plan and must comply with relevant sections of the MSHCP. The project site is not within an MSHCP Criteria Cell; therefore, no Reserve Assembly requirements would apply to the project site. However, the project site occurs within the San Jacinto Habitat Management Unit and survey areas for burrowing owl (*Athene cunicularia*) and Los Angeles pocket mouse (*Perognathus longimembris brevinasus*). The project's compliance with the relevant sections of the MSHCP is discussed below.

- Riparian/Riverine, Vernal Pool, and Fairy Shrimp Requirements – The project site contains several unvegetated v-ditches that drain local surface water from the campus buildings, parking lots, and grounds. These features are artificially created, do not rely on a freshwater source, and do not convey flow to downstream aquatic resources; therefore, they are not considered riparian or riverine features as defined by the MSHCP. Additionally, there are no areas that meet the MSHCP's definitions of a vernal pool or of fairy shrimp habitat.
- Species Survey Requirements – To meet requirements in the MSHCP, habitat assessments were conducted to identify suitable habitat specifically for burrowing owl and Los Angeles pocket mouse within the project site. The project site does not contain suitable habitat for burrowing owl or the Los Angeles pocket mouse. As a result, no focused surveys were conducted for these MSHCP-covered species.
- Urban/Wildlife Interface Guidelines – According to the MSHCP, the Urban/Wildlands Interface Guidelines are intended to address indirect effects associated with locating development in proximity to the MSHCP Conservation Area (County of Riverside 2003, Vol.1, Section 6.1.4, pp. 6–42). The project site is not within the boundaries of an MSHCP-designated conserved land, but is located approximately 0.25 miles from the Perris Lake State Recreation Area public/quasi-public conserved land. The proposed project includes the construction of a new campus building within the existing College campus on a previously disturbed site. The completed development would avoid discharge of surface water runoff or toxic substances to the Perris Lake State Recreation Area. Proposed

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landscaping would be consistent with the existing planting palette and would not result in a significant increased risk of invasive species invasion or barriers to the nearby conserved land. Additionally, there would not be a significant increase in night lighting or noise effects that would affect the nearby conserved land.

- a) *Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?*

***Less-than-Significant Impact.*** The biological study area includes the construction footprint plus a 500-foot buffer around the project site (Figure 5). Due to the developed condition of the project site and surrounding area, the potential for special-status species is low.

### **Plant Species**

The project site is entirely developed and characterized by disturbed areas. No plant species listed or proposed for listing as rare, threatened, or endangered by the CDFW or USFWS were detected within the biological study area during the reconnaissance survey in November 2018. Additionally, no plant species considered sensitive by the CNPS were detected. Although the survey was not conducted during the peak bloom period for most flowering plants, special-status plant species would be unlikely to survive with the current amount of disturbance, non-native plant competition, and development already in place. Dudek performed a review of the literature, existing documentation, and geographic information systems data to evaluate the potential for special-status plant species to occur within the project site and biological study area. Each special-status plant species was given a rating of not expected, low, medium, or high based on relative location to known occurrences, vegetation communities, soils, and elevation. Based on the results of the literature review and database searches, 46 special-status plant species were identified as previously occurring within the region. However, none of these species are expected to occur within the project site based on the soils, current disturbance levels, vegetation communities (habitat) present, elevation ranges, and previous known locations based on the CNDDDB and CNPS records. The complete results of this potential-to-occur evaluation for special-status plants are included as Appendix B-3, Special-Status Plants Potential to Occur Table, of this document. Additionally, there is no USFWS-designated critical habitat for listed plant species within the project site. As a result, direct and indirect impacts to special-status plant species would be less than significant.

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### Wildlife Species

The project site is entirely restricted to developed and disturbed areas. No wildlife species listed or proposed for listing as rare, threatened, or endangered by the CDFW or USFWS were detected within the biological study area during the reconnaissance survey conducted in November 2018. Dudek performed a review of literature, existing documentation, and geographic information systems data to evaluate the potential for special-status wildlife species to occur within the biological study area. Each special-status wildlife species was given a rating of not expected, low, moderate, or high based on relative location to known occurrences, vegetation communities, and elevation. Based on the results of the literature review and database searches, 54 special-status wildlife species were identified as occurring within the region. However, these species are not expected or they have low potential to occur within the project site and biological study area based on the vegetation communities (habitat) present, elevation ranges, and previous known locations based on the CNDDDB. The complete results of this potential-to-occur evaluation for special-status wildlife are included as Appendix B-4, Special-Status Wildlife Potential to Occur Table, of this document. Additionally, there is no USFWS-designated critical habitat for listed wildlife species within the project site. As a result, direct and indirect impacts to special-status wildlife species would be less than significant.

- b) *Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?*

**No Impact.** The project site is located entirely on disturbed/developed land. No natural vegetation communities, riparian habitat, or sensitive natural communities are present within the impact footprint. As a result, there would be no impact to riparian habitat or sensitive vegetation communities.

- c) *Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?*

**No Impact.** No state-defined or federally defined wetlands or waters of the United States/state (e.g., drainages, streams, or riparian habitat) occur within the project site. Several concrete-lined v-ditches traverse the College campus and one storm retention basin occurs outside the project site but within the biological study area. As a result, no direct impacts to state or federally protected waters or wetlands would occur as a result of the project.

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- d) *Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?*

**Less-than-Significant Impact.** The project site contains trees and shrubs that may be used by migratory birds for breeding. Direct impacts to migratory nesting birds must be avoided to comply with the Migratory Bird Treaty Act and California Fish and Game Code. Although the project would be limited to disturbed or developed areas, removal of trees or other nesting habitat would occur as a result of project implementation. Therefore, direct impacts to nesting birds could occur if conducted during the breeding and nesting season (i.e., February through August). Additionally, indirect impacts to nesting birds from short-term, construction-related noise could result in decreased reproductive success or abandonment of an area as nesting habitat if conducted during the breeding/nesting season. To avoid potential direct and indirect impacts to nesting birds in conformance with the Migratory Bird Treaty Act and California Fish and Game Code, a qualified biologist would conduct a nesting bird survey within 1 week prior to any vegetation clearing, cutting, or removal activities during the breeding/nesting season for native birds. The survey would consist of full coverage of the proposed project footprint and an appropriate buffer, as determined by the biologist. If no occupied nests are found, no additional steps would be required. If nests are found being used for breeding or rearing young by a native bird, the nest locations would be mapped by the biologist using Global Positioning System equipment. The species of the nesting bird and, to the degree feasible, the nesting stage (e.g., incubation of eggs, feeding of young, near fledging) would be documented. The biologist may establish an avoidance buffer around occupied nests if there is a significant potential for take of the species or potential for inadvertent destruction of the nest. The buffer would be determined by the biologist based on the species present, surrounding habitat, and existing environmental setting/level of disturbance. No construction or ground-disturbing activities would be conducted within the buffer until the biologist has determined that the nest is no longer being used for breeding or rearing and has informed the construction supervisor that activities may resume. With implementation of this project design feature, impacts to nesting birds from construction-related activities would be less than significant.

### **Project Design Feature-1**

To avoid potential impacts to nesting birds in conformance with the Migratory Bird Treaty Act and California Fish and Game Code, a qualified biologist will conduct a nesting bird survey within 1 week of vegetation clearing, cutting, or removal activities during the breeding/nesting season for native birds. The survey would consist of full coverage of the

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proposed project footprint and an appropriate buffer, as determined by the biologist. If no occupied nests are found, no additional steps would be required. If nests are found being used for breeding or rearing young by a native bird, the nest locations will be mapped by the biologist using Global Positioning System equipment. The species of the nesting bird and, to the degree feasible, the nesting stage (e.g., incubation of eggs, feeding of young, near fledging) would be documented. The biologist may establish an avoidance buffer around occupied nests if there is a significant potential for take of the species or potential for inadvertent destruction of the nest. The buffer will be determined by the biologist based on the species present, surrounding habitat, and existing environmental setting/level of disturbance. No construction or ground-disturbing activities would be conducted within the buffer until the biologist has determined that the nest is no longer being used for breeding or rearing and has informed the construction supervisor that activities may resume.

- e) ***Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?***

***Less-than-Significant Impact.*** The City has adopted a grading policy (Municipal Code Chapter 9.16.210 Grading) that affords protection to trees with 4-inch or larger trunk diameters. Trees that meet this criterion must be shown on grading plans with appropriate protection and relocation notes. Trees with 4-inch or larger trunk diameters that are removed must be replaced with at least 24-inch box size trees of the same species at a ratio of three new trees for each mature tree removed. While local ordinances are not applicable to projects led by state-funded agencies, the District will make every effort to comply with the City's tree ordinance policy. As a result, compliance with the City's grading policy that protects larger trees has been included as a project design feature.

The proposed project would include the removal of several ornamental trees within the project footprint that are associated with the developed/disturbed land cover and are protected by the tree ordinance. These trees would need to be replaced at a 3:1 ratio. With implementation of this project design feature, impacts to large trees from construction-related activities would be less than significant.

### **Project Design Feature-2**

To be consistent with the City's grading ordinance, if there are any trees in the project footprint with 4-inch or larger trunk diameters they will be identified on grading plans with avoidance, relocation, and/or replacement notes. Trees that are removed will be replaced with at least 24-inch box size trees of the same species at a ratio of three new trees for each mature tree removed.

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- f) *Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?*

**Less-than-Significant Impact.** The project site is within the MSHCP Plan Area. As described above, the project site does not support riparian/riverine resources, vernal pools or fairy shrimp habitat, narrow endemic plant habitat, or criteria area species habitat; therefore, there are no requirements under the MSHCP for these resources. The project site is not within, but is adjacent to a conservation area (Perris Lake State Recreation Area public/quasi-public conserved land). Development of the new campus building would not result in significant indirect effects associated with drainage, toxic substances, lighting, noise, invasive species, or barriers to the conserved land. Therefore, the proposed project would have less-than-significant impacts to habitat conservation plans.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>V. CULTURAL RESOURCES – Would the project:</b>				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3.5 Cultural Resources

- a) *Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?*

**Less-than-Significant Impact.** Historic maps and aerial photographs were consulted to understand the development of the study area and surrounding properties. Topographic maps from 1954 show the study area and general vicinity as undeveloped land. There are a few roads running through the general area. The nearest development in 1954 was March Air Force Base to the west. The study area remained undeveloped until sometime between 1985 and 2015. Topographic maps indicate that development in the entire Moreno Valley

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area was slow during most of the 20th century. By 1968 the first planned subdivisions appear, located to the northwest of the project site.

Development continued slowly and the area did not see major development until 1985, when the majority of the City was developed through 2015. The earliest available aerial for the study area dates to 1966 and shows the area as primarily agricultural land. Today, the proposed site for the project is an open grassy area with no buildings on it. There is landscaping and a concrete walking path that goes through the middle of the site. No cultural resources, including historic resources, were identified on the site during the records search or the pedestrian survey. Therefore, the likelihood of historic resources, even subsurface, is low, and the proposed project would have a less-than-significant impact on historic resources.

**b) *Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?***

***Less-than-Significant Impact With Mitigation Incorporated.*** The records search from the Eastern Information Center at the University of California, Riverside, indicated that 17 previous cultural resources technical investigations have been conducted within 1.0 mile of the project area. Of these, two studies intersect the project area and the remaining 15 are within the 1.0-mile search buffer. All of these resources are bedrock milling stations.

On November 8, 2018, Dudek requested a search of the Sacred Lands Files from the Native American Heritage Commission (NAHC). A response letter was received via email from the NAHC on December 6, 2018, stating a negative finding for any cultural resources within the Sacred Lands File. Because the Sacred Lands File search does not include an exhaustive list of Native American cultural resources, the NAHC suggested contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources in or near the proposed project. The NAHC provided the contact information of nine individuals and/or entities to contact along with the Sacred Lands File search results. Dudek sent letters to each contact listed by the NAHC on December 10, 2018. This outreach was conducted for informational purposes only and did not constitute formal government-to-government consultation as specified by AB 52, which is discussed in detail in Section 3.18, Tribal Cultural Resources.

No archaeological resources were identified within the project site or immediate vicinity as a result of the records search or Native American coordination. The project site is situated within the College campus and the proposed project consists of constructing a new building and trenching for new utility lines, which means much of the ground disturbance



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would be within previously disturbed areas. Therefore, the area is considered to be of low sensitivity for encountering archaeological deposits. Despite the low probability of encountering archaeological deposits, it is always possible that such deposits exist subsurface. Therefore, **Mitigation Measure (MM) CUL-1** would reduce potential impacts to unanticipated archaeological resources during construction to less than significant.

**MM-CUL-1** All construction crew members should be alerted to the potential to encounter sensitive archaeological material. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist who meets the Secretary of the Interior's Professional Qualification Standards can evaluate the significance of the find and determine whether additional study is warranted. Prehistoric archaeological deposits may be indicated by the presence of discolored or dark soil, fire-affected material, concentrations of fragmented or whole marine shell, burned or complete bone, non-local lithic materials, or characteristics observed to be atypical of the surrounding area. Common prehistoric artifacts may include modified or battered lithic materials; lithic or bone tools that appeared to have been used for chopping, drilling, or grinding; projectile points; fired clay ceramics or non-functional items; and other items. Historic-age deposits are often indicated by the presence of glass bottles and shards, ceramic material, building or domestic refuse, ferrous metal, or old features such as concrete foundations or privies. Depending upon the significance of the find under the California Environmental Quality Act (CEQA) (14 CCR 15064.5(f); California Public Resources Code, Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery, may be warranted.

- c) *Would the project disturb any human remains, including those interred outside of dedicated cemeteries?*

***Less-than-Significant Impact with Mitigation Incorporated.*** As discussed above, no cultural resources were identified within the study area as a result of the California Historical Resources Information System records search, Native American outreach, or the pedestrian survey. The study area was agricultural land for several decades prior to being developed for the College between 1985 and 2015. Today the study area is developed and landscaped with grass and concrete pathways. As a result, the project site is considered to be of low sensitivity for

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encountering archaeological deposits. However, in accordance with Section 7050.5 of the California Health and Safety Code and **MM-TRC-2**, as discussed in Section 3.18, Tribal Cultural Resources, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the NAHC in Sacramento within 24 hours. In accordance with California Public Resources Code, Section 5097.98, the NAHC must immediately notify those persons it believes to be the most likely descendants from the deceased Native American. The most likely descendants shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains. As a result, impacts would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VI. ENERGY</b> – Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.6 Energy

- a) *Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?*

**Less-than-Significant Impact.** The electricity and natural gas used for construction of the proposed project would be temporary, would be substantially less than that required for project operation, and would have a negligible contribution to the project’s overall energy consumption. Additionally, although natural gas and electricity usage would increase due to the implementation of the project, the project’s energy efficiency would meet the current Title 24 standards. Although the project would see an increase in petroleum use during

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construction and operation, vehicles would use less petroleum due to advances in fuel economy and potential reduction in vehicle miles traveled (VMT) over time.

### **Construction**

#### *Electricity*

Temporary electric power for as-necessary lighting and electronic equipment such as computers inside temporary construction trailers would be provided by Southern California Edison (SCE). The electricity used for such activities would be temporary, would be substantially less than that required for project operation, and would have a negligible contribution to the project's overall energy consumption.

#### *Natural Gas*

Natural gas is not anticipated to be required during construction of the proposed project. Fuels used for construction would primarily consist of diesel and gasoline, which are discussed below under the Petroleum subsection. Any minor amounts of natural gas that may be consumed as a result of project construction would be substantially less than that required for project operation and would have a negligible contribution to the project's overall energy consumption.

#### *Petroleum*

Heavy-duty construction equipment associated with demolition and construction activities for construction would rely on diesel fuel, as would vendor trucks involved in delivery of materials to the project site. Construction workers would travel to and from the project site throughout the duration of construction. It is assumed in this analysis that construction workers would travel to and from the site in gasoline-powered light-duty vehicles.

Heavy-duty construction equipment of various types would be used during each phase of project construction. Appendix A-1 lists the assumed equipment usage for each phase of construction. The project's construction equipment is estimated to operate a total combined 8,588 hours.

Fuel consumption from construction equipment was estimated by converting the total carbon dioxide (CO<sub>2</sub>) emissions from each construction phase to gallons using the conversion factors for CO<sub>2</sub> to gallons of gasoline or diesel. Construction is estimated to occur in 2020 and 2021 based on the construction phasing schedule. The conversion factor for gasoline is 8.78 kilograms per metric ton CO<sub>2</sub> per gallon, and the conversion factor for

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diesel is 10.21 kilograms per metric ton CO<sub>2</sub> per gallon (The Climate Registry 2018). The estimated diesel fuel usage from construction equipment is shown in Table 3.6-1.

**Table 3.6-1  
Construction Equipment Diesel Demand**

Phase	Pieces of Equipment	Equipment CO <sub>2</sub> (MT)	kg/CO <sub>2</sub> /Gallon	Gallons
Site Preparation	3	1.41	10.21	137.68
Grading	3	2.48	10.21	242.69
Trenching	2	4.98	10.21	487.92
Building Construction	6	117.97	10.21	11,553.89
Paving	5	5.49	10.21	537.53
Architectural Coating	1	1.28	10.21	125.03
<b>Total</b>				<b>13,084.75</b>

**Sources:** Pieces of equipment and equipment CO<sub>2</sub> (Appendix A-1); kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** CO<sub>2</sub> = carbon dioxide; MT = metric ton; kg = kilogram.

Fuel consumption from worker-, vendor-, and haul-truck trips are estimated by converting the total CO<sub>2</sub> emissions from each construction phase to gallons using the conversion factors for CO<sub>2</sub> to gallons of gasoline or diesel. Worker vehicles are assumed to be gasoline and vendor/hauling vehicles are assumed to be diesel. Calculations for total worker-, vendor-, and haul-truck fuel consumption are provided in Tables 3.6-2, 3.6-3, and 3.6-4.

**Table 3.6-2  
Construction Worker Gasoline Demand**

Phase	Trips	Vehicle MT CO <sub>2</sub>	kg/CO <sub>2</sub> /Gallon	Gallons
Site Preparation	16	0.08	8.78	9.00
Grading	32	0.16	8.78	18.00
Trenching	120	0.59	8.78	67.49
Building Construction	4,400	21.47	8.78	2,445.13
Paving	140	0.67	8.78	76.20
Architectural Coating	40	0.19	8.78	21.77
<b>Total</b>				<b>2,637.57</b>

**Sources:** Trips and vehicle CO<sub>2</sub> (Appendix A-1); kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** MT = metric ton; CO<sub>2</sub> = carbon dioxide; kg = kilogram.

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**Table 3.6-3  
Construction Vendor Diesel Demand**

Phase	Trips	Vehicle MT CO <sub>2</sub>	kg/CO <sub>2</sub> /Gallon	Gallons
Site Preparation	0	0.00	10.21	0.00
Grading	0	0.00	10.21	0.00
Trenching	0	0.00	10.21	0.00
Building Construction	8	19.62	10.21	1,921.91
Paving	0	0.00	10.21	0.00
Architectural Coating	0	0.00	10.21	0.00
<b>Total</b>				<b>1,921.91</b>

**Sources:** Trips and vehicle CO<sub>2</sub> (Appendix A-1); kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** MT = metric ton; CO<sub>2</sub> = carbon dioxide; kg = kilogram.

**Table 3.6-4  
Construction Haul Truck Diesel Demand**

Phase	Trips	Vehicle MT CO <sub>2</sub>	kg/CO <sub>2</sub> /Gallon	Gallons
Site Preparation	0	0.00	10.21	0.00
Grading	0	0.00	10.21	0.00
Trenching	364	13.73	10.21	1,345.20
Building Construction	0	0.00	10.21	0.00
Paving	0	0.00	10.21	0.00
Architectural Coating	0	0.00	10.21	0.00
<b>Total</b>				<b>1,345.20</b>

**Sources:** Trips and vehicle CO<sub>2</sub> (Appendix A-1); kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** MT = metric ton; CO<sub>2</sub> = carbon dioxide; kg = kilogram.

In summary, construction of the project is conservatively anticipated to consume 2,638 gallons of gasoline and 16,352 gallons of diesel, which would last approximately 12 months. By comparison, California's consumption of petroleum is approximately 74.8 million gallons per day. Based on these assumptions, approximately 27.3 billion gallons of petroleum would be consumed in California over the course of the construction period (EIA 2017). Within Riverside County, approximately 986 million gallons of petroleum would be consumed over the course of the construction period (CARB 2018). Therefore, impacts associated during construction would be less than significant.

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## **Operation**

### *Electricity*

The operation of the project buildout would require electricity for multiple purposes, including cooling, lighting, appliances, and various equipment. Additionally, the supply, conveyance, treatment, and distribution of water would indirectly result in electricity usage. Electricity consumption associated with project operation is based on the CalEEMod outputs presented in Appendix A-1.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end-use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the HVAC system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous “plug-in” uses).

Title 24 of the California Code of Regulations serves to enhance and regulate California’s building standards. The most recent amendments to Title 24, Part 6, referred to as the 2016 standards, became effective on January 1, 2017. According to these estimations, the proposed project would consume approximately 136,363 kilowatt hours per year during operation. For comparison, in 2017 the non-residential electricity demand in Riverside County was 8,346,370,176 kilowatt hours (CEC 2018).

### *Natural Gas*

The operation would require natural gas for various purposes, including water heating and natural gas appliances. Natural gas consumption associated with operation is based on the CalEEMod outputs presented in Appendix A-1.

CalEEMod default values for energy consumption for each land use were applied for the project analysis. The energy use from non-residential land uses is calculated in CalEEMod based on the California Commercial End-Use Survey database. Energy use in buildings (both natural gas and electricity) is divided by the program into end-use categories subject to Title 24 requirements (end uses associated with the building envelope, such as the HVAC system, water heating system, and integrated lighting) and those not subject to Title 24 requirements (such as appliances, electronics, and miscellaneous “plug-in” uses).

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Title 24 of the California Code of Regulations serves to enhance and regulate California’s building standards. The most recent amendments to Title 24, Part 6, referred to as the 2016 standards, became effective on January 1, 2017. According to these estimations, the proposed project would consume approximately 239,328 kilo-British Thermal Units per year. For comparison, in 2017 the non-residential natural gas use within Riverside County was 13,916,621,100 kilo-British Thermal Units (CEC 2018).

### *Petroleum*

During operations, the majority of fuel consumption resulting from the project would involve the use of motor vehicles traveling to and from the project site, as well as fuels used for alternative modes of transportation that may be used by students and employees.

Petroleum fuel consumption associated with motor vehicles traveling to and from the project site is a function of the VMT as a result of project operation. As shown in Appendix A-1 and as discussed in Section 3.3, Air Quality, and Section 3.8, Greenhouse Gas Emissions, the annual VMT attributable to the proposed project is expected to be 823,429 VMT. Similar to the construction worker and vendor trips, fuel consumption from worker and vendor trips are estimated by converting the total CO<sub>2</sub> emissions from operation of the project to gallons using the conversion factors for CO<sub>2</sub> to gallons of gasoline or diesel. Based on the annual fleet mix provided in CalEEMod, 93.3% of the fleet range from light-duty to medium-duty vehicles and motorcycles, which are assumed to run on gasoline. The remaining 6.6% of vehicles represent medium-heavy duty to heavy-duty vehicles and buses and are assumed to run on diesel.

Calculations for annual mobile source fuel consumption are provided in Tables 3.6-5 (gasoline) and 3.6-6 (diesel).

**Table 3.6-5  
Annual Mobile Source Gasoline Demand**

	Vehicle MT CO <sub>2</sub>	kg/CO <sub>2</sub> /Gallon	Gallons
Operation	143.64	8.78	16,359.91

**Sources:** Trips and vehicle CO<sub>2</sub> (Appendix A-1); kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** MT = metric ton; CO<sub>2</sub> = carbon dioxide; kg = kilogram

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**Table 3.6-6  
Annual Mobile Source Diesel Demand**

	Vehicle MT CO <sub>2</sub>	kg/CO <sub>2</sub> /Gallon	Gallons
Operation	8.81	10.21	863.20

**Sources:** Trips and vehicle CO<sub>2</sub> (Appendix A-1; kg/CO<sub>2</sub>/Gallon (The Climate Registry 2018).

**Notes:** MT = metric ton; CO<sub>2</sub> = carbon dioxide; kg = kilogram

## Summary

Statewide emission reduction measures proposed in the CARB-adopted amendments to the Pavley regulations include measures aimed at reducing GHG emissions associated with transportation. These amendments are part of California’s commitment to a nationwide program to reduce new passenger-vehicle GHGs from 2012 through 2016. Pavley regulations reduced GHG emissions from California passenger vehicles by about 22% in 2012. It is expected that Pavley regulations will reduce GHG emissions from California passenger vehicles by about 30% in 2016, while improving fuel efficiency and reducing motorists’ costs. As such, vehicle trips associated with the project are expected to use less petroleum due to advances in fuel economy over time.

CARB has adopted a new approach to passenger vehicles—cars and light trucks—by combining the control of smog-causing pollutants and GHG emissions into a single coordinated package of standards. The new approach also includes efforts to support and accelerate the numbers of plug-in hybrids and zero-emission vehicles in California (CARB 2017b).

The proposed project would create additional electricity and natural gas demand by adding recreational and commercial facilities. New facilities associated with the proposed project would be subject to the State Building Energy Efficiency Standards, embodied in Title 24 of the California Code of Regulations. The efficiency standards apply to new construction of nonresidential buildings and regulate energy consumed for heating, cooling, ventilation, water heating, and lighting.

In summary, although natural gas and electricity usage would increase due to the implementation of the project, the project’s energy efficiency would be in accordance with state Title 24 standards. Although the project would see an increase in petroleum use during construction and operation, vehicles would use less petroleum due to advances in fuel economy and potential reduction in VMT over time. Therefore, impacts would be less than significant.



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**b) *Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency?***

***Less-than-Significant Impact.*** The proposed project would be subject to and would comply with, at a minimum, the 2016 California Building Code Title 24 (24 CCR, Part 6). The City developed the Energy Efficiency and Climate Action Strategy in October 2012 to reduce energy use and thereby reduce their jurisdiction’s contribution to global climate change concerns (City of Moreno Valley 2012b).

The proposed project would not conflict with existing energy standards and regulations; therefore, impacts during construction and operation of the proposed project would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VII. GEOLOGY AND SOILS – Would the project:</b>				
a) Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3.7 Geology and Soils

a) *Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving:*

i) *Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.*

**Less-than-Significant Impact.** According to the City General Plan EIR (City of Moreno Valley 2006b), the City lies primarily on bedrock known as the Perris Block. This structural unit is located within the Peninsular Range Geomorphic Province, one of the major geologic provinces of Southern California. The Perris Block is a large mass of granitic rock generally bounded by the San Jacinto Fault, the Elsinore Fault, the Santa Ana River, and a non-defined southeast boundary. The nearest fault zone is the San Jacinto Fault, which is located approximately 5 miles northeast of the project site. This fault zone has experienced significant activity in the recent geologic past. Additionally, the San Andreas Fault is located approximately 16 miles northeast of the site. According to the City's General Plan and the General Plan EIR, the site is not located within an existing fault zone, and no faults appear to run under the project area (City of Moreno Valley 2006a, Figure 6-3, Geologic Faults & Liquefaction; City of Moreno Valley 2006b, Figure 5.6-2, Seismic Hazards). Therefore, damage resulting from surface rupture or fault displacement is not expected at the project site. Impacts would be less than significant.

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ii) *Strong seismic ground shaking?*

***Less-than-Significant Impact.*** Because the project site is located in seismically active Southern California, it is subject to moderate to severe ground shaking in the event of a major earthquake along any of the active faults in the region. The known regional active faults that could produce the most significant ground shaking at the site include the San Jacinto, San Andreas, and Elsinore-Glen Ivy faults. The site, however, does not possess any greater seismic risk than that of the surrounding developments. No active or potentially active fault is known to exist at the project site, nor is the site situated within an Alquist-Priolo Earthquake Fault Zone, a State of California Special Studies Zone, or a County of Riverside designated fault zone. Additionally, the proposed project would be designed in accordance with all applicable provisions established in the current California Building Code, which sets forth specific engineering requirements to ensure structural integrity during a seismic event. Compliance with these requirements would reduce the potential risk to both people and structures with respect to strong seismic ground shaking. Therefore, impacts associated with strong seismic ground shaking would be less than significant.

iii) *Seismic-related ground failure, including liquefaction?*

***Less-than-Significant Impact.*** Liquefaction occurs when partially saturated soil loses its effective stress and enters a liquid state, which can result in the soil's inability to support structures above. Liquefaction can be induced by ground-shaking events and is dependent on soil saturation conditions. According to the City's General Plan Safety Element, the project site is located in an area identified as having low liquefaction susceptibility (City of Moreno Valley 2006a, Figure 6-3, Geologic Faults & Liquefaction). Additionally, per the current California Building Code, a geotechnical investigation report would be prepared for the project site and will provide relevant design recommendations to ensure structural integrity during seismic activity. Given these considerations, impacts associated with liquefaction would be less than significant.

iv) *Landslides?*

***Less-than-Significant Impact.*** There is no evidence of ancient landslides or slope instabilities at the site and there are no significant slopes located on or near the project site that may be considered susceptible to seismically induced landslides. The proposed project is located on relatively flat land, and during the grading phase of the project, the project site would be further leveled. As a result, impacts resulting from landslides would be less than significant.

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b) *Would the project result in substantial soil erosion or the loss of topsoil?*

### **Short-Term Construction Impacts**

***Less-than-Significant Impact.*** Construction activities such as grading may have the potential to cause soil erosion or the loss of topsoil. Because the project would result in more than 1 acre of ground disturbance, the project would be subject to the National Pollutant Discharge Elimination System (NPDES) stormwater program, which includes obtaining coverage under the State Water Resources Control Board's General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit; Order 2009-0009-DWQ). Construction activities subject to the Construction General Permit include clearing, grading, and disturbances to the ground, such as stockpiling or excavation. The Construction General Permit requires development and implementation of a Storm Water Pollution Prevention Plan (SWPPP). Among the required items that must be included within a SWPPP are project design features intended to protect against substantial soil erosion as a result of water and wind erosion, commonly known as best management practices (BMPs). Typical BMPs include maintaining or creating drainages to convey and direct surface runoff from bare areas and installing physical barriers, such as berms, silt fencing, wattles, straw bales, and gabions. The implementation of a Construction General Permit, including preparation of a SWPPP and implementation of BMPs, would reduce both stormwater runoff and soil erosion impacts to acceptable levels. Therefore, short-term construction impacts associated with soil erosion would be less than significant.

### **Long-Term Operational Impacts**

***Less-than-Significant Impact.*** Once developed, the project site would include a single-story structure and paved surfaces, all of which would stabilize and help retain on-site soils. The project site would also contain pervious landscape areas that would include a mix of trees, shrubs, plants, and groundcover, which would also help retain on-site soils while preventing wind and water erosion from occurring. Therefore, long-term operational impacts associated with soil erosion would be less than significant.

c) *Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?*

***Less-than-Significant Impact.*** As previously discussed, the project site is not susceptible to landslide or liquefaction. Additionally, the proposed project would be designed in accordance with all applicable provisions established in the current California Building

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Code, which sets forth specific engineering requirements to ensure structural integrity, regardless of the specific characteristics of the underlying soils. Compliance with these requirements would reduce the potential risk to both people and structures with respect to a variety of geotechnical constraints. Therefore, impacts associated with unstable geologic units/soils would be less than significant.

- d) ***Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating direct or indirect substantial risks to life or property?***

***Less-than-Significant Impact.*** According to the U.S. Department of Agriculture Web Soil Survey, the soil beneath the project site consists of Ramona very fine sandy loam, 0% to 8% slopes. This type of soil has a low runoff class, and well-drained drainage class (USDA 2019). Based on the type of soils at the project site, expansive soils are not anticipated at the project site; therefore, impacts would be less than significant. Nonetheless, the proposed project will remove undocumented artificial fill and ensure proper fill placement and compaction to further reduce this already less-than-significant impact.

- e) ***Would the project have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?***

***No Impact.*** The project would connect directly to the municipal sewer system and would not require septic tanks or any other alternative wastewater disposal system. Therefore, no impacts associated with the adequacy of soils and septic systems would occur.

- f) ***Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?***

***Less-than-Significant Impact With Mitigation Incorporated.*** The proposed project is located within the northernmost Peninsular Ranges Geomorphic Province (Norris and Webb 1990; CGS 2002). This geomorphic province is characterized by northwest trending mountain ranges and valleys that extend over 900 miles from the tip of the Baja Peninsula to the Transverse Ranges (i.e., the San Bernardino and San Gabriel Mountains in Southern California). Regionally, the Peninsular Ranges are bounded to the east by the Colorado Desert and the west by the continental shelf and offshore islands (Santa Catalina, Santa Barbara, San Nicholas, and San Clemente) (Norris and Webb 1990; CGS 2002). Regional mountain ranges in the Peninsular Ranges Geomorphic Province include the Santa Ana, San Jacinto, and Santa Rosa Mountains. Geologically, these mountains are dominated by

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Mesozoic, plutonic igneous and metamorphic rocks that are part of the Peninsular Ranges Batholith (Southern California Batholith) (Jahns 1954).

More specifically, the proposed project is located within the Perris Structural Block, between the Elsinore and San Jacinto fault zones (Kennedy 1977). The Elsinore and San Jacinto fault zones are part of the greater San Andreas fault system, which is characterized by numerous strike-slip faults. According to surficial geological mapping by Dibblee and Minch (2003) at a scale of 1:24,000, the study area is almost entirely underlain by older Quaternary alluvium (map unit Qoa) that is Pleistocene age (~2.58 million years ago–12,000 years ago). The northeastern extension of the proposed project is underlain by Cretaceous (~145 million years ago–66 million years ago), plutonic quartz diorites (map unit qdx).

Dudek cross-trained archaeologist/paleontologist, Erica Nicolay, conducted an archaeological and paleontological resources survey of the study area on November 13, 2018, using standard procedures and techniques. The survey methods consisted of a pedestrian survey conducted in 15-meter wide transects across the study area. The majority of the study area is landscaped and either covered with concrete, asphalt, or grass. Areas of exposed bedrock were limited, but any areas where surface exposures were observed were carefully inspected for paleontological resources. No paleontological resources were identified during the field survey.

A paleontological records search request was sent to the Natural History Museum of Los Angeles County (LACM) on November 09, 2018, (McLeod 2018) and the results were received on November 27, 2018. According to the records search, no paleontological localities are documented within a 1-mile radius buffer of the proposed project boundaries (McLeod 2018). However, localities are documented nearby from similar geological units that may occur beneath portions of the proposed project site. The nearest locality to the proposed project area, LACM 4540, was recovered almost due east of the proposed project area from deposits similar to those that occur at the surface throughout most of the proposed project area. The specimen consisted of a fossil horse (*Equus*) recovered from an unspecified depth below the surface (McLeod 2018). The LACM did not recommend paleontological monitoring of portions of the proposed project area underlain by igneous rocks because they do not preserve recognizable fossils; nor did they recommend monitoring of shallow excavations into older Quaternary alluvial deposits because, being so close to the source area, they are likely coarse grained, which is not conducive to fossil preservation (McLeod 2018). However, the LACM recommended paleontological monitoring of deeper excavations that could potentially encounter finer-grained fossiliferous Pleistocene strata along with sediment sampling to determine the microfossil potential (McLeod 2018).

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Past excavation activities in the area surrounding the proposed project site have encountered paleontological resources in older Quaternary alluvial deposits. Review of the paleontological literature revealed numerous Pleistocene older alluvial fossil vertebrate localities within Riverside County. For instance, in his compilation of Pleistocene vertebrate localities in California, Jefferson (1991) lists many Pleistocene older alluvial or equivalent localities from Riverside County that have yielded fossil fish, amphibians, reptiles, birds, and mammals. The Diamond Valley Lake Local Fauna, which was recovered from older lacustrine and fluvial deposits near the city of Hemet in Riverside County, yielded over 100,000 fossil specimens including plants, invertebrates, and vertebrates (Jefferson 1991; Springer et al. 2009). With the exclusion of asphaltic localities such as the La Brea Tar Pits, the Diamond Valley Lake Local Fauna represents the largest late Pleistocene vertebrate fauna in the southwest and continues to yield important scientific data (Springer et al. 2009).

No paleontological resources were identified within the proposed project area as a result of the field survey, institutional records search, and desktop geological and paleontological review, and the proposed project site is not anticipated to be underlain by unique geologic features. While the majority of the proposed project area is mapped as being underlain by older Quaternary alluvial deposits, they are likely too coarse grained on the surface to yield significant paleontological resources. However, intact paleontological resources may be present within finer-grained soils of these deposits at depth. The plutonic igneous rocks have no paleontological sensitivity, but given the proximity of past fossil discoveries in the surrounding area and the potential for intact, undisturbed, fine-grained Pleistocene age deposits at depth, the proposed project is moderately to highly sensitive for supporting paleontological resources in areas underlain by older Quaternary alluvium. In the event that intact paleontological resources are located beneath the proposed project site, ground-disturbing activities associated with construction of the proposed project, such as grading during site preparation and large diameter drilling (more than 2 feet diameter), have the potential to destroy a unique paleontological resource or site. Without mitigation, the potential damage to paleontological resources during construction would be a potentially significant impact. However, upon implementation of **MM-GEO-1**, impacts would be reduced to below the level of significance. Impacts of the proposed project are considered less than significant with mitigation incorporated during construction.

**MM-GEO-1** Prior to commencement of any grading activity on site, the Riverside Community College District shall retain a certified Riverside County paleontologist. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the proposed project.

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The PRIMP shall be consistent with the guidelines of the Society of Vertebrate Paleontology (SVP 2010) and shall outline the following:

- Requirements for a preconstruction meeting that shall include a worker environmental awareness training.
- Requirements for the number of construction workers that shall attend the preconstruction meeting.
- Locations within the proposed project at which paleontological monitoring shall be required based on construction plans and/or geotechnical reports.
- Procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management.

The certified paleontologist shall attend the preconstruction meeting and a paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities in previously undisturbed, fine-grained older Quaternary alluvial deposits. These deposits may be encountered at depths as shallow as 5–10 feet below ground surface. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>VIII. GREENHOUSE GAS EMISSIONS</b> – Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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## 3.8 Greenhouse Gas Emissions

- a) *Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?*

***Less-than-Significant Impact.*** Climate change refers to any significant change in measures of climate (e.g., temperature, precipitation, or wind patterns) lasting for an extended period of time (i.e., decades or longer). The Earth's temperature depends on the balance between energy entering and leaving the planet's system, and many factors (natural and human) can cause changes in Earth's energy balance. The greenhouse effect is the trapping and buildup of heat in the atmosphere near the Earth's surface (the troposphere). The greenhouse effect is a natural process that contributes to regulating the Earth's temperature, and it creates a livable environment on Earth. Human activities that emit additional GHGs to the atmosphere increase the amount of infrared radiation that gets absorbed before escaping into space, thus enhancing the greenhouse effect and causing the Earth's surface temperature to rise. Global climate change is a cumulative impact; a project contributes to this impact through its incremental contribution combined with the cumulative increase of all other sources of GHGs. Thus, GHG impacts are recognized exclusively as cumulative impacts (CAPCOA 2008).

A GHG is any gas that absorbs infrared radiation in the atmosphere; in other words, GHGs trap heat in the atmosphere. As defined in California Health and Safety Code Section 38505(g) for purposes of administering many of the state's primary GHG emissions reduction programs, GHGs include CO<sub>2</sub>, methane (CH<sub>4</sub>), nitrous oxide (N<sub>2</sub>O), hydrofluorocarbons, perfluorocarbons, sulfur hexafluoride, and nitrogen trifluoride (see also CEQA Guidelines section 15364.5).<sup>6</sup> The three GHGs evaluated herein are CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O because these gases would be emitted during proposed project maintenance.

The Intergovernmental Panel on Climate Change developed the global warming potential (GWP) concept to compare the ability of each GHG to trap heat in the atmosphere relative to another gas. The reference gas used is CO<sub>2</sub>; therefore, GWP-weighted emissions are measured in metric tons (MT) of CO<sub>2</sub> equivalent (CO<sub>2</sub>e). Consistent with CalEEMod Version 2016.3.2, this GHG emissions analysis assumed the GWP for CH<sub>4</sub> is 25 (i.e., emissions of 1 MT of CH<sub>4</sub> are equivalent to emissions of 25 MT of CO<sub>2</sub>), and the GWP for N<sub>2</sub>O is 298, based on the Intergovernmental Panel on Climate Change's Fourth Assessment Report (IPCC 2007).

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<sup>6</sup> Climate-forcing substances include greenhouse gases (GHGs) and other substances such as black carbon and aerosols. This discussion focuses on the seven GHGs identified in the California Health and Safety Code Section 38505; impacts associated with other climate-forcing substances are not evaluated herein.

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As discussed in Section 3.3, Air Quality, the proposed project is located within the jurisdictional boundaries of the SCAQMD. In October 2008, the SCAQMD proposed recommended numeric CEQA significance thresholds for GHG emissions for lead agencies to use in assessing GHG impacts of residential and commercial development projects as presented in its Draft Guidance Document—Interim CEQA Greenhouse Gas (GHG) Significance Threshold (SCAQMD 2008b). This document, which builds on the previous guidance prepared by the California Air Pollution Control Officers Association, explored various approaches for establishing a significance threshold for GHG emissions. The draft interim CEQA thresholds guidance document was not adopted or approved by the Governing Board. However, in December 2008, the SCAQMD adopted an interim 10,000 MT CO<sub>2</sub>e per-year screening level threshold for stationary source/industrial projects for which the SCAQMD is the lead agency (SCAQMD 2008c). The 10,000 MT CO<sub>2</sub>e per-year threshold, which was derived from GHG reduction targets established in Executive Order S-3-05, was based on the conclusion that the threshold was consistent with achieving an emissions capture rate of 90% of all new or modified stationary source projects.

The SCAQMD formed a GHG CEQA Significance Threshold Working Group to work with SCAQMD staff on developing GHG CEQA significance thresholds until statewide significance thresholds or guidelines are established. From December 2008 to September 2010, the SCAQMD hosted working group meetings and revised the draft threshold proposal several times, although it did not officially provide these proposals in a subsequent document. The SCAQMD has continued to consider adoption of significance thresholds for residential and general land-use development projects. The most recent proposal issued by SCAQMD, issued in September 2010, uses the following tiered approach to evaluate potential GHG impacts from various uses (SCAQMD 2010):

- Tier 1.** Determine if CEQA categorical exemptions are applicable. If not, move to Tier 2.
- Tier 2.** Consider whether or not the proposed project is consistent with a locally adopted GHG reduction plan that has gone through public hearing and CEQA review, that has an approved inventory, includes monitoring, etc. If not, move to Tier 3.
- Tier 3.** Consider whether the project generates GHG emissions in excess of screening thresholds for individual land uses. The 10,000 MT CO<sub>2</sub>e per-year threshold for industrial uses would be recommended for use by all lead agencies. Under option 1, separate screening thresholds are proposed for residential projects (3,500 MT CO<sub>2</sub>e per year), commercial projects (1,400 MT CO<sub>2</sub>e per year), and mixed-use projects (3,000 MT CO<sub>2</sub>e per year). Under option 2, a single numerical screening threshold of 3,000

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MT CO<sub>2</sub>e per year would be used for all non-industrial projects. If the project generates emissions in excess of the applicable screening threshold, move to Tier 4.

**Tier 4.** Consider whether the project generates GHG emissions in excess of applicable performance standards for the project service population (population plus employment). The efficiency targets were established based on the goal of AB 32 to reduce statewide GHG emissions to 1990 levels by 2020. The 2020 efficiency targets are 4.8 MT CO<sub>2</sub>e per-service population for project-level analyses and 6.6 MT CO<sub>2</sub>e per-service population for plan-level analyses. If the project generates emissions in excess of the applicable efficiency targets, move to Tier 5.

**Tier 5.** Consider the implementation of CEQA mitigation (including the purchase of GHG offsets) to reduce the project efficiency target to Tier 4 levels.

To determine the proposed project's potential to generate GHG emissions that would have a significant impact on the environment, its GHG emissions were compared to the SCAQMD recommended commercial project quantitative threshold of 1,400 MT CO<sub>2</sub>e per year.

### Construction Greenhouse Gas Emissions

Construction of the project would result in GHG emissions, which are primarily associated with use of off-road construction equipment, on-road haul and vendor trucks, and worker vehicles. The SCAQMD Draft Guidance Document – Interim CEQA Greenhouse Gas (GHG) Significance Threshold (2009) recommends that “construction emissions be amortized over a 30-year project lifetime, so that GHG reduction measures will address construction GHG emissions as part of the operational GHG reduction strategies.” Thus, the total construction GHG emissions were calculated, amortized over 30 years, and added to the total operational emissions for comparison with the GHG significance threshold of 1,400 MT CO<sub>2</sub>e per year. The determination of significance, therefore, is addressed in the operational emissions discussion following the estimated construction emissions.

CalEEMod was used to calculate the annual GHG emissions based on the construction scenario described in Section 3.3. Construction of the project is anticipated to commence in June 2020, lasting a total of 12 months. On-site sources of GHG emissions include off-road equipment and off-site sources include haul trucks, vendor trucks, and worker vehicles. Table 3.8-1 presents construction GHG emissions for the project in 2020 and 2021 from on-site and off-site emission sources.

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**Table 3.8-1  
Estimated Annual Construction GHG Emissions**

Year	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
	<i>Metric Tons per Year</i>			
2020	123.83	0.02	0.00	124.42
2021	66.28	0.01	0.00	66.61
<b>Total</b>				<b>191.03</b>
<b>Amortized Emissions (over 30 years)</b>				<b>6.37</b>

**Notes:** CO<sub>2</sub> = carbon dioxide; CH<sub>4</sub> = methane; N<sub>2</sub>O = nitrous oxide; CO<sub>2</sub>e = carbon dioxide equivalent.  
See Appendix A-1 for complete results.

As shown in Table 3.8-1, the estimated total GHG emissions during construction of would be approximately 191 MT CO<sub>2</sub>e. Estimated project-generated construction emissions amortized over 30 years would be approximately 6 MT CO<sub>2</sub>e per year. As with project-generated construction air quality pollutant emissions, GHG emissions generated during construction of the project would be short-term in nature, lasting only for the duration of the construction period, and would not represent a long-term source of GHG emissions. Because there is no separate GHG threshold for construction, the evaluation of significance is discussed in the operational emissions analysis in the following text.

### Operational Emissions

CalEEMod Version 2016.3.2 was used to estimate potential project-generated operational GHG emissions from vehicular sources, area sources (natural gas combustion and landscape maintenance), electrical generation (including electrical generation associated with water supply and wastewater treatment), and solid waste. Emissions from each category—area sources, energy sources, mobile sources, solid waste, and water supply and wastewater treatment—is discussed in the following text with respect to the project. For additional details, see Section 3.3 for a discussion of operational emission calculation methodology and assumptions, specifically for area, energy (natural gas), and mobile sources. Operational year 2021 was assumed to be the first full year of operation following completion of construction.

### Area Sources

CalEEMod was used to estimate GHG emissions from the project’s area sources, which include operation of gasoline-powered landscape maintenance equipment, which produce minimal GHG emissions. It was assumed that 100% of the landscaping equipment would be gasoline powered. Consumer product use and architectural coatings result in VOC emissions, which are analyzed in air quality analysis only, and low-to-no GHG emissions.

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## Energy Sources

The estimation of operational energy emissions was based on CalEEMod land use defaults and units or total area (i.e., square footage) of the project's land uses. For nonresidential buildings, CalEEMod energy intensity value (electricity or natural gas usage per square foot per year) assumptions were based on the California Commercial End-Use Survey database. Emissions are calculated by multiplying the energy use by the utility carbon intensity (pounds of GHGs per kilowatt-hour for electricity or 1,000 British thermal units for natural gas) for CO<sub>2</sub> and other GHGs. Annual natural gas (non-hearth) and electricity emissions were estimated in CalEEMod using the emissions factors for SCE, which would be the energy source provider for the project. CalEEMod default energy intensity factors (CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O mass emissions per kilowatt-hour) for SCE is based on the value for SCE's energy mix in 2012.

## Mobile Sources

All details for criteria air pollutants discussed in Section 3.3 are also applicable for the estimation of operational mobile source GHG emissions. Regulatory measures related to mobile sources include AB 1493 (Pavley) and related federal standards. AB 1493 required that CARB establish GHG emission standards for automobiles, light-duty trucks, and other vehicles determined by CARB to be vehicles that are primarily used for noncommercial personal transportation in the state. In addition, the National Highway Traffic Safety Administration and EPA have established corporate fuel economy standards and GHG emission standards, respectively, for automobiles and light-, medium-, and heavy-duty vehicles. Implementation of these standards and fleet turnover (replacement of older vehicles with newer ones) will gradually reduce emissions from the project's motor vehicles. The effectiveness of fuel economy improvements was evaluated to the extent it was captured in the EMFAC2014 emission factors for motor vehicles in 2021.

## Solid Waste

The project would generate solid waste, and therefore, result in CO<sub>2</sub>e emissions associated with landfill off-gassing. CalEEMod default values for solid waste generation were used to estimate GHG emissions associated with solid waste.

## Water and Wastewater

Supply, conveyance, treatment, and distribution of water for the project require the use of electricity, which would result in associated indirect GHG emissions. Similarly, wastewater generated by the proposed project requires the use of electricity for conveyance and treatment,

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along with GHG emissions generated during wastewater treatment. Water consumption estimates for both indoor and outdoor water use and associated electricity consumption from water use and wastewater generation were estimated using CalEEMod default values.

The estimated operational (year 2021) project-generated GHG emissions from area sources, energy usage, motor vehicles, solid waste generation, and water usage and wastewater generation are shown in Table 3.8-2.

**Table 3.8-2  
Estimated Annual Operational GHG Emissions**

Emission Source	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	CO <sub>2</sub> e
	<i>metric tons per year</i>			
Area	0.00	0.00	0.00	0.00
Energy	56.22	0.00	0.00	56.45
Mobile	356.56	0.02	0.00	357.00
Solid waste	4.57	0.27	0.00	11.31
Water supply and wastewater	8.49	0.03	0.00	9.40
<b>Total</b>				<b>434.17</b>
<i>Amortized Construction Emissions</i>				6.37
<b>Operation + Amortized Construction Total</b>				<b>440.54</b>

**Notes:** CO<sub>2</sub> = carbon dioxide; CH<sub>4</sub> = methane; N<sub>2</sub>O = nitrous oxide; CO<sub>2</sub>e = carbon dioxide equivalent  
See Appendix A-1 for detailed results.

As shown in Table 3.8-2, estimated annual project-generated GHG emissions would be approximately 434 MT CO<sub>2</sub>e per year as a result of project operation. Estimated annual project-generated operational emissions in 2021 and amortized project construction emissions would be approximately 441 MT CO<sub>2</sub>e per year. Annual operational GHG emissions with amortized construction emissions would not exceed the SCAQMD threshold of 1,400 MT CO<sub>2</sub>e per year. Therefore, the project's GHG contribution would not be cumulatively considerable and is less than significant.

**b) *Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?***

***Less-than-Significant Impact.*** The City has developed the Energy Efficiency and Climate Action Strategy in October 2012 to reduce GHG emissions and thereby reduce their jurisdiction's contribution to global climate change concerns (City of Moreno Valley 2012b). However, this plan is not considered a Qualified GHG Emissions Reduction Plan under CEQA per the requirements outlined in CEQA Section 15183.5(D); therefore, no CEQA document can tier from the City's plan. While there is currently no local guidance

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that would be specifically applicable to the CEQA analysis of the proposed project, and no mandatory GHG plans, policies, regulations, or finalized agency guidelines that would apply to implementation of the proposed project, a description of the relevant plans with GHG reduction strategies is provided below.

The City adopted the Energy Efficiency and Climate Action Strategy, which set forth the goal of reducing City GHGs by to 15% below 1990 levels by 2020 (City of Moreno Valley 2012b), in accordance with AB 32. The GHG reductions set out in the plan are based on actions in key sectors, including mobile sources, transportation demand management, energy efficiency, renewable energy, heat island, water efficiency, and solid waste. The project would not conflict with any of the GHG reduction measures provided within the City's plan.

The Climate Change Scoping Plan, approved by CARB in 2008 and updated in 2014 and 2017, provides a framework for actions to reduce California's GHG emissions and requires CARB and other state agencies to adopt regulations and other initiatives to reduce GHGs. The Scoping Plan is not directly applicable to specific projects, and it is not intended to be used for project-level evaluations.<sup>7</sup> Under the Scoping Plan, however, there are several state regulatory measures aimed at identifying and reducing GHG emissions. CARB and other state agencies have adopted many of the measures identified in the Scoping Plan. Most of these measures focus on area-source emissions (e.g., energy usage and high-GWP GHGs in consumer products) and changes to the vehicle fleet (e.g., hybrid, electric, and more fuel-efficient vehicles) and associated fuels, among others.

Regarding consistency with Senate Bill 32 (goal of reducing GHG emissions to 40% below 1990 levels by 2030) and Executive Order S-3-05 (goal of reducing GHG emissions to 80% below 1990 levels by 2050), there are no established protocols or thresholds of significance for that future-year analysis. However, CARB has expressed optimism with regard to both the 2030 and 2050 goals. It states in the First Update to the Climate Change Scoping Plan: Building on the Framework that "California is on track to meet the near-term 2020 GHG emissions limit and is well positioned to maintain and continue reductions beyond 2020 as required by AB 32" (CARB 2014). With regard to the 2050 target for reducing GHG emissions to 80% below 1990 levels, CARB (2014) states the following:

This level of reduction is achievable in California. In fact, if California realizes the expected benefits of existing policy goals (such as 12,000

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<sup>7</sup> The Final Statement of Reasons for the amendments to the CEQA Guidelines reiterates the statement in the Initial Statement of Reasons that "[t]he Scoping Plan may not be appropriate for use in determining the significance of individual projects because it is conceptual at this stage and relies on the future development of regulations to implement the strategies identified in the Scoping Plan" (California Natural Resources Agency 2009).

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megawatts of renewable distributed generation by 2020, net zero energy homes after 2020, existing building retrofits under Assembly Bill 758, and others) it could reduce emissions by 2030 to levels squarely in line with those needed in the developed world and to stay on track to reduce emissions to 80% below 1990 levels by 2050. Additional measures, including locally driven measures and those necessary to meet federal air quality standards in 2032, could lead to even greater emission reductions.

In other words, CARB believes that the state is on a trajectory to meet the 2030 and 2050 GHG reduction targets set forth in AB 32, Senate Bill 32, and Executive Order S-3-05. This is confirmed in the 2017 Climate Change Scoping Plan Update, which states (CARB 2017b):

The Proposed Plan builds upon the successful framework established by the Initial Scoping Plan and First Update, while also identifying new, technologically feasibility and cost-effective strategies to ensure that California meets its GHG reduction targets in a way that promotes and rewards innovation, continues to foster economic growth, and delivers improvements to the environment and public health, including in disadvantaged communities. The Proposed Plan is developed to be consistent with requirements set forth in AB 32, SB [Senate Bill] 32, and AB 197.

The proposed project would not interfere with implementation of GHG reduction goals for 2030 or 2050 because it would not exceed the SCAQMD’s recommended threshold of 1,400 MT CO<sub>2</sub>e per year. In addition, the proposed project would not conflict with the state’s trajectory toward future GHG reductions. Therefore, the proposed project would not conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of GHGs; therefore, the impact would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>IX. HAZARDS AND HAZARDOUS MATERIALS – Would the project:</b>				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>



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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.9 Hazards and Hazardous Materials

- a) *Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?*

#### Short-Term Construction Impacts

***Less-than-Significant Impact.*** A variety of hazardous substances and wastes would be transported to, stored, used, and generated on the project site during construction of the project. These would include fuels for machinery and vehicles, new and used motor oils, cleaning solvents, paints, and storage containers and applicators containing such materials. Accidental spills, leaks, fires, explosions, or pressure releases involving hazardous materials represent a potential threat to human health and the environment if not properly treated. However, these materials would be transported, used, and disposed of in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. For example, hazardous materials would not be disposed of or released onto the ground or into the underlying groundwater or any surface water during

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construction or operation of the project, and completely enclosed containment would be required for all refuse generated on the project site. Additionally, all construction waste, including trash, litter, garbage, solid waste, petroleum products, and any other potentially hazardous materials, would be removed to a waste facility permitted to treat, store, or dispose of such materials. Use of these materials during construction for their intended purpose would not pose a significant risk to the public or the environment.

The transport and use of hazardous materials would be required to comply with the guidelines set forth by each product's manufacturer, as well as with all applicable federal, state, and local regulations. The United States Department of Transportation, the California Department of Health Services, the California Department of Transportation, and the California Highway Patrol all have interrelated programs designed to prevent disasters during the transportation of hazardous materials. Additionally, the EPA and the Occupational Safety and Health Administration have interrelated programs designed to prevent the misuse of hazardous materials in the work place. Therefore, with compliance with all applicable federal, state, and local regulations, construction of the project would have a less-than-significant impact with regard to hazards to the public or the environment through the routine transport, use, or disposal of hazardous materials.

### **Long-Term Operational Impacts**

***Less-than-Significant Impact.*** Potentially hazardous materials associated with project operations would include those materials used during typical cleaning and maintenance activities. Although these potential hazardous materials would vary, they would generally include household cleaning products, paints, fertilizers, and herbicides and pesticides. Many of these materials are considered household hazardous wastes, common wastes, and/or universal wastes by the EPA; the EPA considers these types of wastes to be common to businesses and households and to pose a lower risk to people and the environment than other hazardous wastes when properly handled, transported, used, and disposed of. Federal, state, and local regulations typically allow these types of wastes to be handled and disposed of with less stringent standards than other hazardous wastes, and many of these wastes do not have to be managed as hazardous waste.

Additionally, any potentially hazardous material handled on the project site would be limited in both quantity and concentrations, consistent with other similar uses on the College campus and in the City, and any handling, transport, use, and disposal would comply with applicable federal, state, and local regulations. Additionally, as mandated by the Occupational Safety and Health Administration, all hazardous materials stored on the project site would be accompanied by a Material Safety Data Sheet, which would inform

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employees and first responders as to the necessary remediation procedures in the case of accidental release. Therefore, operational impacts associated with hazards to the public or the environment through the routine transport, use, or disposal of hazardous materials would be less than significant.

- b) ***Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?***

***Less-than-Significant Impact.*** Construction activities on the project site would involve the transport of gasoline and other materials to the site during construction. Relatively small amounts of commonly used hazardous substances, such as gasoline, diesel fuel, lubricating oil, grease, and solvents would be used on site for construction and maintenance. The materials alone and use of these materials for their intended purpose would not pose a significant risk to the public or environment; however, accidental spills of hazardous materials during construction could potentially result in soil contamination or water quality impacts. To minimize/eliminate fuel spillage, all construction vehicles would be adequately maintained and equipped. All equipment maintenance work, including refueling, would occur off site or within the designated construction staging area. All potentially hazardous construction waste, including trash, litter, garbage, other solid wastes, petroleum products, and other potentially hazardous materials, would be removed to a hazardous waste facility permitted to treat, store, or dispose of such materials. Additionally, any potentially hazardous material handled on the project site during operation of the project would be limited in both quantity and concentration, consistent with other similar uses on the College campus, and any handling, transport, use, and disposal would comply with applicable federal, state, and local regulations. Therefore, with compliance with all applicable federal, state, and local regulations, the project would not create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment, and impacts would be less than significant.

- c) ***Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?***

***Less-than-Significant Impact.*** Lasselle Elementary School is located approximately 100 feet south of the proposed limits of temporary disturbance. As noted in responses (a) and (b), limited amounts of hazardous materials could be used during construction and operation of the project, including the use of standard construction materials (e.g.,

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lubricants, solvents, and paints), cleaning and other maintenance products (used in the maintenance of buildings, pumps, pipes, and equipment), diesel and other fuels (used in construction and maintenance equipment and vehicles), and the limited application of pesticides associated with landscaping. These materials would be transported and handled in accordance with all federal, state, and local laws regulating the management and use of hazardous materials. None of these activities would result in the routine transport of, emission, or disposal of hazardous materials, and no acutely hazardous materials would be used on site during construction or operation of the project. All construction activity would be performed in compliance with state and federal regulations, and compliance with these regulations would ensure that the general public would not be exposed to any unusual or excessive risks related to hazardous materials during construction on the project site. Impacts would be less than significant. All equipment maintenance work, including refueling, would occur off site or within the designated construction staging area. All potentially hazardous construction waste, including trash, litter, garbage, other solid wastes, petroleum products, and other potentially hazardous materials, would be removed to a hazardous waste facility permitted to treat, store, or dispose of such materials. Once construction is complete, fuels and other petroleum products would no longer remain on site, and the use of the site as a welcome center and office/classroom space would not release any hazardous materials or emissions that would unduly affect the school.

- d) ***Would the project be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?***

***No Impact.*** As indicated on Figure 5.5-1 of the City General Plan EIR, the project site is not located on a hazardous waste site (City of Moreno Valley 2006b, Figure 5.5-1, Hazardous Materials Sites). Additionally, according to a review of regulatory databases, the project site is not included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 (Cortese List). The site has been vacant and no previous land uses warrant additional hazardous evaluations. Therefore, the project would not result in a significant hazard to the public or to the environment. While no impacts are anticipated due to contaminated soils on the project site, if contaminated soils are found during the course of construction for the proposed project, all standard hazardous remediation and removal procedures would be followed. No impacts related to on-site hazardous materials are anticipated.

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- e) *For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?*

**No Impact.** The proposed project site is located approximately 2 miles east of the March Air Reserve Base area of flight operations. However, as identified on Figure 6-5, Airport Crash Hazards, of the City General Plan, the site is not located within an Accident Potential Zone (City of Moreno Valley 2006a, Section 6.10, Safety). Additionally, the project site is located outside of all Air Reserve Base compatibility zones, which consider noise generated by airport operations (March Joint Powers Authority 2010). As such, the proposed project would not expose people residing or working in the project area to excessive noise levels, and no impacts would occur.

- f) *Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?*

**Less-than-Significant Impact.** Implementation of the proposed project would not result in interference with any existing emergency response plan or emergency evacuation plan. The major roadway to access the site is via Lasselle Street. While not identified in the City General Plan as a major evacuation route, the roadway would likely act as a major thoroughfare for the immediate area under such circumstances. The proposed project would not interfere substantially with the use of Lasselle Street and is not anticipated to result in any actions that would impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Multiple entry and evacuation routes would remain on the College campus and any potential impacts are anticipated to be less than significant.

- g) *Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?*

**Less-than-Significant Impact.** The proposed project is located in an area where urban development currently exists and it is not susceptible to the threat of wildland fires. While Figure 5.5-2 of the General Plan EIR (City of Moreno Valley 2006b) does identify areas of substantial wildfire risk east of the College, primarily around the open areas of Lake Perris, the proposed project itself is not located within a fire hazard area. Additionally, numerous access points to the eastern boundary of the College exist, and the College Park Fire Station is located due north of the College. Impacts would be less than significant.

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>X. HYDROLOGY AND WATER QUALITY – Would the project:</b>				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i) result in substantial erosion or siltation on- or off-site;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iv) impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.10 Hydrology and Water Quality

- a) *Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?*

#### Short-Term Construction Impacts

**Less-than-Significant Impact.** Construction of the project would include earthwork activities that could potentially result in erosion and sedimentation, which could subsequently degrade downstream receiving waters and violate water quality standards.

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Stormwater runoff during the construction phase may contain silt and debris, resulting in a short-term increase in the sediment load of the municipal storm drain system. Substances such as oils, fuels, paints, and solvents may be inadvertently spilled on the project site and subsequently conveyed via stormwater to nearby drainages, watersheds, and groundwater.

Because the project would result in more than 1 acre of ground disturbance, the project would be subject to the NPDES stormwater program, which includes obtaining coverage under the State Water Resources Control Board's Construction General Permit. Construction activities subject to the Construction General Permit include clearing, grading, and disturbances to the ground such as stockpiling or excavation. The Construction General Permit requires development and implementation of a SWPPP. Among the required items that must be included within a SWPPP are project design features intended to protect against substantial soil erosion as a result of water and wind erosion, commonly known as BMPs. The implementation of a Construction General Permit, including preparation of a SWPPP and implementation of BMPs, would reduce stormwater runoff during project construction impacts to acceptable levels. It follows that because construction of the project would not violate any water quality standards or waste discharge requirements, the project would not otherwise substantially degrade surface or groundwater quality. Therefore, short-term construction impacts associated with water quality would be less than significant.

### **Long-Term Operational Impacts**

***Less-than-Significant Impact.*** The project would be subject to the Municipal Separate Storm Sewer System (MS4) Permit, issued by the Santa Ana Regional Water Quality Control Board (RWQCB). The MS4 Permit requires implementation of Low Impact Development BMPs to prevent pollutants from being discharged off site by mimicking pre-development site hydrology and feasible source control. The Low Impact Development Ordinance is designed to reduce runoff from impervious surfaces, including new development, through landscape design that promotes water retention, permeable surface design, natural drainage systems, and on-site retention where feasible (RWQCB 2010). These project-specific designs would reduce impacts to water quality associated with redevelopment.

Additionally, a project-specific Water Quality Management Plan (WQMP) would be prepared for the proposed project. The WQMP would ensure appropriate BMPs are implemented for postconstruction and operations of the project. The combination of Low Impact Development BMPs, source control, and other treatment control BMPs addressed within the WQMP would address identified pollutants and hydrologic concerns from new development that could result in impacts to water quality standards (RWQCB 2010).

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Further, the project would be required to comply with sections of the City Municipal Code that set forth regulations to protect and enhance the quality of watercourses, water bodies, and wetlands within the City in a manner consistent with the federal Clean Water Act, the California Porter-Cologne Water Quality Control Act, and the municipal NPDES permit. Applicable sections of the Municipal Code include Section 8.10, which outlines the requirements of the City's Storm Water and Urban Runoff Management and Discharge Controls, and Section 8.21 (Grading Regulations), which, among other things, requires verification by the City Engineer that all drainage facilities have been appropriately installed and that all erosion control measures have been completed in accordance with the approved grading plan and the required reports. Therefore, long-term impacts associated with water quality, including surface water quality and groundwater quality, would be less than significant.

- b) ***Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?***

***Less-than-Significant Impact.*** As discussed in the City General Plan, groundwater only provides a small fraction of the local water supply. Nonetheless, it is a valuable natural resource that needs to be protected (City of Moreno Valley 2006a, Section 6.7, Water Quality). While undeveloped, the project site consists of a grass field and does not contain a groundwater recharge basin or other facilities that promote groundwater recharge. Thus, under the existing condition, the project site is not considered an important location for groundwater recharge.

Although the project would add impervious surfaces to the project site, once operational, the project site would contain landscaped areas and other pervious surfaces that would allow for water to percolate into the subsurface soils. Additionally, the project would incorporate structural and treatment control BMPs to ensure that the project would not adversely affect water quality.

In addition, groundwater was not encountered during subsurface explorations performed for a separate project within the College (Leighton Consulting Inc. 2009). The subsurface explorations consisted of exploratory bores to a maximum depth of 50.5 feet. Furthermore, the Riverside County Geologic Hazard Map (2004, cited in Leighton Consulting Inc. 2009) shows historically shallowest groundwater levels within the Moreno Valley floor 0.5 miles to the west of the site at a depth of approximately 150 feet below ground surface.

During construction, the proposed project would use only limited amounts of water resources for construction activities and landscaping activities. Minimal water use will be



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required for any of the additional office space or classroom facilities, and the City has adequate supply to currently meet their municipal, commercial, and industrial demands, as described in Section 3.19, Utilities and Service Systems. As such, impacts associated with groundwater recharge would be less than significant.

The project is not expected to encounter groundwater and would not involve permanent pumping of groundwater; therefore, the project would not substantially deplete groundwater supplies. Due to the incorporation of structural and treatment control BMPs, the proposed project would not substantially interfere with groundwater recharge. Impacts would be less than significant.

c) ***Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which:***

i) ***Would result in substantial erosion or siltation on- or off-site;***

***Less-than-Significant Impact.*** Refer to the previous response under section 3.10(a). Under existing conditions, the majority of the ground surface is covered with grass. Thus, implementation of the project would increase the amount of impervious areas on site and alter the existing drainage patterns; however, the project site does not currently have infiltration basins or capture systems in place to control stormwater runoff. The project would be required to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed with adequate capacity to capture stormwater flow to prevent erosion or on-site or off-site siltation impacts.

As such, altering the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater; therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

ii) ***Substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite;***

***Less-than-Significant Impact.*** Refer to the previous response under section 3.10(a). Under existing conditions, the majority of the ground surface is covered with grass landscaping. Thus, implementation of the project would increase the amount of impervious areas on site and alter the existing drainage patterns; however, the project

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site does not currently have infiltration basins or capture systems in place to control stormwater runoff. The project would be required to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed with adequate capacity to capture stormwater flow to prevent erosion or on-site or off-site siltation impacts.

As such, altering the on-site drainage pattern would be conducted in a manner consistent with all applicable standards related to the collection and treatment of stormwater; therefore, impacts associated with altering the existing drainage pattern of the project site would be less than significant.

- iii) ***Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or***

***Less-than-Significant Impact.*** Under the existing condition, the majority of the ground surface is covered with grass landscaping. The project site does not currently have infiltration basins or capture systems in place to control stormwater runoff. Although the project would increase the amount of impervious surfaces on the project site, the proposed drainage system would be designed to conform to all applicable federal, state, and local requirements, including the current MS4 Permit adopted by the Santa Ana RWQCB. Compliance with these requirements would ensure the new drainage system is designed to have adequate capacity to capture stormwater flow to prevent the conveyance of sediment, debris, and other constituents potentially contained in on-site stormwater from leaving the project site and impacting off-site and downstream receiving waters; therefore, impacts associated with water quality standards and runoff waters would be less than significant.

- iv) ***Impede or redirect flood flows?***

***No Impact.*** According to the Federal Emergency Management Agency Flood Insurance Rate Map No. 06065C0765G (FEMA 2008), the project site is located outside of both a 1% Annual Chance Flood Hazard Zone (100-year floodplain) and 0.2% Annual Chance Flood Hazard Zone (500-year floodplain). In addition, per the City General Plan, Figure 6-4 Flood Hazards, and the County of Riverside Land Information System (County of Riverside 2019), the project site is located outside of a dam inundation area; therefore, no impacts associated with flooding would occur. Therefore, the placement of an approximately 17,305 square foot building

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located within the existing College would have no effect on flood flows, and no impacts would occur in this regard.

- d) ***Would the project, in flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?***

***No Impact.*** Refer to Section 3.10(c)(iv). The project site is not near a lake that could be vulnerable to a seiche during high winds. Also, the project site is not within a coastal area or river delta that could be impacted by a tsunami. Finally, the topography of the site and project area is relatively flat and would not be subject to significant impacts from mudflow. Thus, no impact would occur.

- e) ***Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?***

***Less-than-Significant Impact.*** The proposed project would comply with regional and local regulations requiring preparation of an SWPPP, and would not obstruct existing water quality control plans or groundwater sustainable management plans. In addition, the proposed project is not considered a suitable site for groundwater recharge and would not introduce impervious areas over a significant groundwater recharge zone. Therefore, impacts associated with conflict with a water quality control plan or sustainable groundwater management plan would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>X. LAND USE AND PLANNING – Would the project:</b>				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.11 Land Use and Planning

- a) ***Would the project physically divide an established community?***

***No Impact.*** The proposed project is located within the existing College campus. The proposed project is compatible with adjacent land uses and facilities for College use. The proposed

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project would not divide an established community and is not expected to result in additional physical barriers between nearby land uses. As a result, there would be no impact.

- b) *Would the project cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect?*

**No Impact.** The project site is designated under the City General Plan as Public Facilities. Under the existing conditions, the project site consists of a grass landscaped field. The use of the site as a student welcome center would be consistent with the District's plan for the College and would further the overall goal of providing the City and the surrounding residents with quality education options. As discussed in the City General Plan, Objective 2.15 commands that the "Moreno Valley residents have access to high-quality educational facilities, regardless of their socioeconomic status or location within the City" (City of Moreno Valley 2006a). By increasing office space and classroom/conference area, the District is helping further this objective by providing access to high-quality educational facilities, regardless of residents' socioeconomic status or location within the City. The proposed project is therefore consistent with the City General Plan.

The project site is currently zoned as Moreno Valley Ranch Specific Plan – Community Facility (SP 193 CF). According to the Moreno Valley Ranch Specific Plan, the Community Facilities designation allows, among other uses, the principal use of the site as a community college and accessory buildings, structures, and uses related and incidental to this use of the site. Clearly, the use of the site as a welcome center in order to support the existing operations of the College is an acceptable use of the site under the Moreno Valley Ranch Specific Plan.

Development on the Moreno Valley College has traditionally been guided by iterations of the College Comprehensive Master Plan, which serves as a planning document for the College. While the proposed project is not explicitly envisioned in the 2015 Moreno Valley College Comprehensive Master Plan, the development of a welcome center located centrally within the campus aligns with the Master Plan's goals of developing high-quality facilities to support existing on-campus programs and student needs. Additionally, the design of the structure would meet the design guidelines for creating a unified yet varied college environment and would carry on the overall aesthetic theme as envisioned within the Master Plan.

Overall, the proposed project provides a benefit to the operations of the College and does not violate any policies within the City General Plan, Municipal Code, or any applicable specific plans in the area. Therefore, the project would not conflict with any applicable

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land use plan, policy, or regulation and would not represent a significant impact to the physical environment. No impact would occur.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XII. MINERAL RESOURCES</b> – Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.12 Mineral Resources

- a) *Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?*

**No Impact.** The State Mining and Reclamation Act of 1975 (California Public Resources Code Section 2710 et seq.) requires that the California State Geologist implement a mineral land classification system to identify and protect mineral resources of regional or statewide significance in areas where urban expansion or other irreversible land uses may occur, thereby potentially restricting or preventing future mineral extraction on such lands.

As mandated by the State Mining and Reclamation Act, aggregate mineral resources within the state are classified by the State Mining & Geology Board through application of the Mineral Resource Zone (MRZ) system. The MRZ system is used to map all mineral commodities within identified jurisdictional boundaries, with priority given to areas where future mineral resource extraction may be prevented or restricted by land use compatibility issues, or where mineral resources may be mined during the 50-year period following their classification. The MRZ system classifies lands that contain mineral deposits and identifies the presence or absence of substantial sand and gravel deposits and crushed rock source areas (i.e., commodities used as, or in the production of, construction materials). The State Geologist classifies MRZs within a region based on the following factors (DOC 2000):

**MRZ-1:** Areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.

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**MRZ-2:** Areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood exists for their presence.

**MRZ-2a:** Areas underlain by mineral deposits where geologic data show that significant measured or indicated resources are present

**MRZ-2b:** Areas underlain by mineral deposits where geologic information indicates that significant inferred resources are present.

**MRZ-3:** Areas containing mineral deposits for which the significance cannot be determined from available data.

**MRZ-3a:** Areas containing known mineral deposits that may qualify as a mineral resource

**MRZ-3b:** Areas containing inferred mineral deposits that may qualify as mineral resources.

**MRZ-4:** Areas where available information is inadequate for assignment of any other MRZ category.

According to maps prepared by the California Department of Conservation (CGS 2008), most of the City, including the project site, has been designated as MRZ-3. This designation indicates that the State of California has determined this is an area where mineral deposits are likely; however, their significance has not been determined. Further, according to the City General Plan EIR (City of Moreno Valley 2006b), the California Department of Conservation, Division of Mines and Geology, has not identified significant mineral resources within the City.

The City General Plan (City of Moreno Valley 2006a) does not identify any mineral recovery sites within the City or any active mining areas beyond the Jack Rabbit Canyon Quarry located northeast of Jack Rabbit Trail and Gilman Springs Road next to the Quail Ridge Golf Course. The quarry has been inactive since 2001. The proposed site is not currently being used for mineral resource extraction, has no history of such use, and is currently developed in an urbanized area designated for public facilities. The proposed project site is located within the designated boundary of the College and is part of the District's plans for continued growth and improvement of the College in order to enhance higher education opportunities to the surrounding area. No mining operations would be impacted by this development and the site would likely never be used for any mining operations in the future. Nowhere in the area has the City designated or zoned land for

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mining uses. Given these factors, the proposed project would not result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the state, and impacts would be less than significant.

**b) *Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?***

**No Impact.** Please refer to Section 3.11(a). The proposed project would not result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XII. NOISE – Would the project result in:</b>				
a) Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Generation of excessive groundborne vibration or groundborne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.13 Noise

Noise is defined as unwanted sound. Sound may be described in terms of level or amplitude (measured in decibels (dB)), frequency or pitch (measured in hertz or cycles per second), and duration (measured in seconds or minutes). Because the human ear is not equally sensitive to sound at all frequencies, a special frequency-dependent rating scale is used to relate noise to human sensitivity. The A-weighted decibel (dBA) scale performs this compensation by discriminating against low and very high frequencies in a manner approximating the sensitivity of the human ear. Several descriptors of noise (noise metrics) exist to help predict average community reactions to the adverse effects of environmental noise, including traffic-generated noise. These descriptors

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include the equivalent noise level over a given period ( $L_{eq}$ ), the statistical sound level, the day–night average noise level ( $L_{dn}$ ), and the community noise equivalent level (CNEL). Each of these descriptors uses units of dBA. Table 3.13-1 provides examples of A-weighted noise levels from common sounds. In general, human sound perception is such that a change in sound level of 3 dB is barely noticeable, a change of 5 dB is clearly noticeable, and a change of 10 dB is perceived as doubling or halving the sound level.

**Table 3.13-1  
Typical Sound Levels in the Environment and Industry**

Common Outdoor Activities	Noise Level (dBA)	Common Indoor Activities
—	110	Rock band
Jet flyover at 300 meters (1,000 feet)	100	—
Gas lawn mower at 1 meter (3 feet)	90	—
Diesel truck at 15 meters (50 feet), at 80 kilometers per hour (50 mph)	80	Food blender at 1 meter (3 feet) Garbage disposal at 1 meter (3 feet)
Noisy urban area, daytime gas lawn mower at 30 meters (100 feet)	70	Vacuum cleaner at 3 meters (10 feet)
Commercial area Heavy traffic at 90 meters (300 feet)	60	Normal speech at 1 meter (3 feet)
Quiet urban daytime	50	Large business office Dishwasher, next room
Quiet urban nighttime	40	Theater, large conference room (background)
Quiet suburban nighttime	30	Library
Quiet rural night time	20	Bedroom at night, concert hall (background)
—	10	Broadcast/recording studio
Lowest threshold of human hearing	0	Lowest threshold of human hearing

Source: Caltrans 2013a.

$L_{eq}$  is a sound energy level averaged over a specified period (typically no less than 15 minutes for environmental studies).  $L_{eq}$  is a single numerical value that represents the amount of variable sound energy received by a receptor during a time interval. For example, a 1-hour  $L_{eq}$  measurement would represent the average amount of energy contained in all the noise that occurred in that hour.  $L_{eq}$  is an effective noise descriptor because of its ability to assess the total time-varying effects of noise on sensitive receptors.  $L_{max}$  is the greatest sound level measured during a designated time interval or event.

Unlike the  $L_{eq}$  metrics,  $L_{dn}$  and CNEL metrics always represent 24-hour periods, usually on an annualized basis.  $L_{dn}$  and CNEL also differ from  $L_{eq}$  because they apply a time-weighted factor designed to emphasize noise events that occur during the evening and nighttime hours (when speech



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and sleep disturbance is of more concern). “Time weighted” refers to the fact that  $L_{dn}$  and CNEL penalize noise that occurs during certain sensitive periods. In the case of CNEL, noise occurring during the daytime (7:00 a.m.–7:00 p.m.) receives no penalty. Noise during the evening (7:00 p.m.–10:00 p.m.) is penalized by adding 5 dB, while nighttime (10:00 p.m.–7:00 a.m.) noise is penalized by adding 10 dB.  $L_{dn}$  differs from CNEL in that the daytime period is defined as 7:00 a.m.–10:00 p.m., thus eliminating the evening period.  $L_{dn}$  and CNEL are the predominant criteria used to measure roadway noise affecting residential receptors. These two metrics generally differ from one another by no more than 0.5 dB to 1 dB and, as such, are often treated as equivalent to one another.

### Vibration

Vibration is an oscillatory motion through a solid medium in which the motion’s amplitude can be described in terms of displacement, velocity, or acceleration. Vibration can be a serious concern, causing buildings to shake and rumbling sounds to be heard. In contrast to noise, vibration is not a common environmental problem. It is unusual for vibration from sources such as buses and trucks to be perceptible, even in locations close to major roads. Some common sources of vibration are trains, buses on rough roads, and construction activities such as blasting, pile driving, and heavy earthmoving.

Several different methods are used to quantify vibration. Peak particle velocity (PPV) is defined as the maximum instantaneous peak of the vibration signal. PPV is most frequently used to describe vibration impacts to buildings and is usually measured in inches per second. The root mean square amplitude is most frequently used to describe the effect of vibration on the human body and is defined as the average of the squared amplitude of the signal. Decibel notation is commonly used to measure root mean square. The decibel notation acts to compress the range of numbers required to describe vibration.

High levels of vibration may cause physical personal injury or damage to buildings. However, vibration levels rarely affect human health. Instead, most people consider vibration to be an annoyance that can affect concentration or disturb sleep. In addition, high levels of vibration can damage fragile buildings or interfere with equipment that is highly sensitive to vibration (e.g., electron microscopes). Most perceptible indoor vibration is caused by sources within buildings, such as operation of mechanical equipment, movement of people, or slamming of doors. Typical outdoor sources of perceptible vibration are construction equipment, steel-wheeled trains, and traffic on rough roads. If the roadway is smooth, the vibration from traffic is rarely perceptible.

### Sensitive Receptors

Noise- and vibration-sensitive land uses are locations where people reside or where the presence of unwanted sound could adversely affect the use of the land. Residences, schools, hospitals, guest

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lodging, libraries, and some passive recreation areas would be considered noise and vibration sensitive and may warrant unique measures for protection from intruding noise. Sensitive receptors near the project site include residential uses located to the northwest, west, and southeast, as well as the on-site child care facility to the south, the on-site classrooms to the north, and the elementary school to the south. These sensitive receptors represent the nearest sensitive land uses with the potential to be impacted by construction and operation of the proposed project.

### Existing Noise Conditions

Noise measurements were conducted near the project site on November 8, 2018, to characterize the existing noise levels (Figure 6, Noise Measurement and Modeling Locations). Table 3.13-2 provides the location, date, and time the noise measurements were taken. The noise measurements were taken using a Soft dB Piccolo sound level meter equipped with a 0.5-inch, pre-polarized condenser microphone with pre-amplifier. The sound level meter meets the current American National Standards Institute standard for a Type 2 (General Use) sound level meter. The accuracy of the sound level meter was verified using a field calibrator before and after the measurements, and the measurements were conducted with the microphone positioned approximately 5 feet above the ground.

**Table 3.13-2  
Measured Noise Levels**

Receptors	Location	Date	Time	L <sub>eq</sub> (dBA)	L <sub>max</sub> (dBA)
ST1	On campus, in quad in front of student Academic Services Building.	11/08/18	11:22 a.m.–11:37 a.m.	58.3	75.2
ST2	On campus, on pathway between Science and Technology Building and student parking lot.	11/08/18	11:42 a.m.–11:57 a.m.	54.5	67.1
ST3	On Campus, adjacent to childcare facility, and across street from Lasselle Elementary School.	11/08/18	12:09 p.m.–12:24 p.m.	60.8	74.4
ST4	Adjacent to play area north of residences on Clydesdale Lane	11/08/18	12:28 p.m.–12:43 p.m.	64.6	85.3
ST5	On Lasselle Street at edge of on-site parking lot; across street from residences on west side of street.	11/08/18	1:00 p.m.–1:15 p.m.	70.8	83.8
ST6	On Lasselle Street adjacent to residential complex.	11/08/18	1:37 p.m.–1:52 p.m.	73.4	85.9

L<sub>eq</sub> = equivalent continuous sound level (time-averaged sound level); L<sub>max</sub> = maximum sound level during the measurement interval; dBA = A-weighted decibels.

Six short-term noise measurements (ST1–ST6) were conducted on site and adjacent to nearby noise-sensitive land uses. The measured energy-averaged (L<sub>eq</sub>) and maximum (L<sub>max</sub>) noise levels

## Moreno Valley College Welcome Center Project Initial Study and Mitigated Negative Declaration

are provided in Table 3.13-2. The field noise measurement data sheets are provided in Appendix D-1. The primary noise sources consisted of traffic on the local roadways (Lasselle cStreet, Krameria Avenue, Cahuilla Drive), distant conversations, rustling leaves, and bird song. As shown in Table 3.13-2, the measured sound levels ranged from approximately 55 to 73 dBA  $L_{eq}$ .

### Estimated Vehicular Noise

The existing 24-hour, time-weighted (CNEL) traffic noise levels were modeled using the Federal Highway Administration (FHWA) Traffic Noise Model (TNM) version 2.5 (FHWA 2004) and existing traffic volumes from the proposed project’s traffic impact study (see Section 3.17). Traffic noise levels were modeled at representative on-site and off-site noise-sensitive receivers. The receivers, which represent noise-sensitive receivers with the most potential to be impacted by project-related traffic noise, are shown in Figure 6. As shown in Figure 6, sites ST1 through ST3 represent on-campus uses and sites ST4 through ST6 and M1 through M4<sup>8</sup> represent existing off-site receivers.

The results of the traffic modeling for the existing conditions are summarized in Table 3.13-3 (Traffic Noise – Existing), and the traffic noise modeling data is shown in Appendix D-2. As shown in Table 3.13-3, the existing modeled traffic noise levels range from approximately 44 dBA CNEL at receiver ST2 to 73 dBA CNEL at receiver ST6.

**Table 3.13-3  
Traffic Noise – Existing**

Modeled Receiver	Description	Existing (dBA CNEL)
ST1	On campus, in quad in front of student Academic Services Building	51
ST2	On campus, on pathway between Science and Technology Building and student parking lot	44
ST3	On Campus, adjacent to childcare facility, and across street from Lasselle Elementary School	57
ST4	Adjacent to play area north of residences on Clydesdale Lane	62
ST5	On Lasselle Street at edge of on-site parking lot; across street from residences on west side of street	72
ST6	On Lasselle Street adjacent to residential complex	73
M1	Adjacent to Laselle Street, rear yard residences northwest of project site	64
M2	Adjacent to Krameria Avenue, rear yard residences southeast of project site	60

<sup>8</sup> Receivers M1 through M4 are modeled-only locations, intended to supplement the analysis of potentially affected noise-sensitive land uses, whereas ST1 through ST6 are measured and modeled locations.

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**Table 3.13-3  
Traffic Noise – Existing**

Modeled Receiver	Description	Existing (dBA CNEL)
M3	Adjacent to Krameria Avenue and Cahuilla Drive, at Laselle Elementary School south of project site	56
M4	Adjacent to Laselle Street, rear yard residences southwest of project site	61

**Source:** Appendix D-2.

**Note:** dBA = A-weighted decibel; CNEL = community noise equivalent level.

## Regulatory Setting

### *City of Moreno Valley*

The project site is located within the City, as are the existing residences and other noise-sensitive land uses in the surrounding area. The City outlines its noise regulations and standards as they pertain to this project in the Municipal Code (City of Moreno Valley 2007a). As a state-funded agency, the District is not regulated by City noise standards; although the District will make every effort to adhere to the Municipal Code regulations, it is not bound by them. The information provided below is presented for informational purposes.

The City Municipal Code, Chapter 11.80, Noise Regulation, provides performance standards and noise control guidelines for determining and mitigating non-transportation or stationary-source noise impacts from operations at private properties. The City Municipal Code defines maximum sound levels (in terms of dBA  $L_{eq}$ ) for source land uses in Table 11.80.030-2 for residential and commercial land uses. As defined by the Municipal Code, Section 11.80.020, Definitions, commercial land use means all uses of land not otherwise classified as residential, and residential land use means all uses of land primarily for dwelling units, hospitals, schools, colleges and universities, and places of religious assembly. Based on this classification, the operational noise level limits for the adjacent noise-sensitive land uses (residences and the elementary school) would be 60 dBA  $L_{eq}$  during the daytime hours (8:00 a.m. to 10:00 p.m.) and 55 dBA  $L_{eq}$  during the nighttime hours (10:01 p.m. to 7:59 a.m.) at a distance of 200 feet or more from the real property line of the source of the sound, if the sound occurs on privately owned property, or from the source of the sound, if the sound occurs on public right-of-way, public space, or other publicly owned property. These noise standards are shown in Table 3.13-4.

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**Table 3.13-4  
Operational Noise Standards at 200 feet from Source**

Land Use	Time Period	Maximum Permissible Exterior Noise Level at 200 feet (dBA L <sub>eq</sub> )
Residential	Daytime (8:00 a.m. to 10:00 p.m.)	60
	Nighttime (10:01 p.m. to 7:59 a.m.)	55
Commercial	Daytime (8:00 a.m. to 10:00 p.m.)	65
	Nighttime (10:01 p.m. to 7:59 a.m.)	60

**Source:** City of Moreno Valley Municipal Code, Chapter 11.80 Noise Regulation, Table 11.80.030-2, Maximum Sound Levels (in dBA) for Source Land Uses when measured at a distance of 200 feet from the property line of the source land use.

**Note:** dBA = A-weighted decibel; L<sub>eq</sub> = equivalent noise level.

### Construction Noise Regulation

In subsection D(7), Specific Prohibitions, of Section 11.80.030, Prohibited Acts, the City requires that no person shall operate or cause the operation of any tools or equipment used in construction, drilling, repair, alteration, or demolition work between the hours of 8:00 p.m. and 7:00 a.m. the following day such that the sound there from creates a noise disturbance.

- a) *Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?*

*Less-than-Significant Impact With Mitigation Incorporated.*

### **Construction of the Proposed Project**

Construction noise and vibration levels are temporary phenomena that can vary from hour to hour and day to day, depending on the equipment in use, the operations being performed, and the distance between the source and receptor.

Equipment that would be in operation during proposed construction would include, in part, excavators, concrete saws, compressors, welders, and paving equipment. Table 3.13-5 presents typical maximum noise levels for various pieces of construction equipment at a distance of 50 feet (note that these are maximum noise levels). Typically, construction equipment operates in alternating cycles of full power and low power, producing average noise levels less than the maximum noise level presented in Table 3.13-5. The average sound level of construction activity also depends on the amount of time that the equipment operates and the intensity of construction activities during that time.

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**Table 3.13-5  
Typical Construction Equipment Noise Emission Levels**

Equipment	Typical Sound Level (dBA) 50 Feet from Source
Air compressor	81
Backhoe	80
Compactor	82
Concrete mixer	85
Concrete pump	82
Concrete vibrator	76
Crane, mobile	83
Dozer	85
Generator	81
Grader	85
Impact wrench	85
Jackhammer	88
Loader	85
Paver	89
Pneumatic tool	85
Pump	76
Roller	74
Saw	76
Truck	88

**Source:** DOT, Federal Transit Administration, Office of Planning and Environment 2006.

**Note:** dBA = A-weighted decibels.

For the equipment typically used to complete a development project such as the proposed project, the maximum noise levels at 50 feet would be approximately 89 dBA, although the hourly noise levels would vary. Construction noise in a well-defined area typically attenuates at approximately 6 dB per doubling of distance. Project construction would take place within approximately 30 feet of the nearest noise-sensitive land uses (residences to the east) during trenching work, but would otherwise be located approximately 640 feet or more away from other noise-sensitive land uses. Because of the linear nature of the trenching phase, the amount of time that trenching work would occur immediately adjacent to any one noise-sensitive receiver would generally be relatively short (typically, 1 to 2 days).

The FHWA Roadway Construction Noise Model (RCNM) (FHWA 2008) was used to estimate construction noise levels. Although the model was funded and promulgated by the FHWA, the RCNM is often used for non-roadway projects because the same types of construction equipment used for roadway projects are often used for other types of

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construction. Input variables for the RCNM consist of the receiver/land use types, the equipment type and number of each (e.g., two graders, a loader, a tractor), the duty cycle for each piece of equipment (e.g., percentage of hours the equipment typically works per day), and the distance from the noise-sensitive receiver. No topographical or structural shielding was assumed in the modeling. The RCNM has default duty-cycle values for the various pieces of equipment, which were derived from an extensive study of typical construction activity patterns. Those default duty-cycle values were used for this noise analysis.

Construction scenario assumptions, including phasing and equipment mix, were based on information from the District and the CalEEMod default values developed for the air quality and GHG emissions impacts analysis. Table 3.13-6 summarizes the estimated construction noise, with separate calculations provided for the different types of construction activities that would occur for this project. The RCNM inputs and outputs are provided in Appendix D-3.

**Table 3.13-6  
Construction Noise Model Results Summary**

Construction Phase	Construction Noise at Representative Receiver Distances ( $L_{eq}$ (dBA))			
	<i>Elementary School to the south</i>	<i>Residences to the west</i>	<i>Residences to the southeast</i>	<i>Residences to the northwest</i>
Site Preparation	61	61	60	58
Grading	64	63	62	60
Building Construction	57	56	56	54
Paving	61	60	59	58
Architectural Coating	52	61	50	48
Trenching	68	52	83	53
<i>Summary of Noise Model Results</i>				
Highest Construction Noise Levels	68	63	83	60
Lowest Construction Noise Levels	52	52	50	48
Ambient Noise Levels*	57	72	62	73

**Source:** Appendix D-3.

**Notes:**  $L_{eq}$  = equivalent noise level; dBA = A-weighted decibel.

\* - Measured noise levels from Table 3.13-3

As shown in Table 3.13-6, the construction noise levels at nearby noise-sensitive land uses are predicted to range from approximately 83 dBA  $L_{eq}$  when open-trench construction would take place adjacent to residences to the southeast, to approximately 48 dBA  $L_{eq}$  at residences to the northwest during the architectural coating phase. Compared to the ambient noise levels measured in the project vicinity, noise levels from construction would

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(during the loudest phases) result in substantial temporary noise level increases at Lasselle Elementary School and at the residences to the southwest of the project site. During other project phases, construction noise, though audible, would not result in substantial temporary noise increases. With implementation of **MM-NOI-1**, noise levels from construction activities would be reduced to a less-than-significant level.

### **Operation of the Proposed Project**

***Less-than-Significant Impact.*** Long-term (i.e., operational) noise associated with the proposed project would include traffic noise from additional vehicle trips, as well as noise from on-site mechanical equipment such as HVAC equipment. The proposed project does not include any outdoor activities areas, outdoor performance spaces, or other areas where exterior noise would be generated.

***Traffic Noise.*** The proposed project would generate additional traffic trips along several existing roads in the area including Lasselle Street, Kameron Avenue, and Cahuilla Drive (Dudek 2019). Potential noise effects from vehicular traffic associated with a variety of project-related operational scenarios were assessed using FHWA TNM version 2.5 (FHWA 2004). Data used to model noise from vehicular traffic was derived from the project-specific Traffic Impact Analysis report prepared by Dudek (Appendix E-1, Traffic Counts, and Appendix E-2, LOS Worksheets). Information used in the model consisted of project geometry, traffic volumes (aggregated turn movements), and speeds (posted speed limits) for the following scenarios:

- Existing PM<sup>9</sup> Peak Hour
- Existing plus Project PM Peak Hour
- Opening Year (2021) PM Peak Hour
- Opening Year (2021) plus Project PM Peak Hour

Noise levels were modeled at representative noise-sensitive receivers (ST1 through ST6 and M1 through M4). The receivers were modeled to be 5 feet above the local ground elevation. TNM modeling input and output files are provided in Appendix D-2. Traffic noise impacts were calculated by comparing the various existing baseline modeled noise results with the existing plus project results. The results are presented in Table 3.13-7.

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<sup>9</sup> Based upon examination of the traffic data, the PM peak hour volumes were generally greater than the AM peak hour volumes. Therefore, the PM peak hour volumes were used for the traffic noise modeling.



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**Table 3.13-7  
Modeled Traffic Noise With and Without Project (CNEL (dBA))**

Modeled Receiver	Description	Existing	Existing with Project	Difference	Opening Year	Opening Year with Project	Difference
ST1	On campus, in quad in front of student Academic Services Building	51	51	0	51	51	0
ST2	On campus, on pathway between Science and Technology Building and student parking lot	44	44	0	44	44	0
ST3	On Campus, adjacent to childcare facility, and across street from Lasselle Elementary School	57	57	0	57	57	0
ST4	Adjacent to play area north of residences on Clydesdale Lane	62	62	0	62	62	0
ST5	On Lasselle Street at edge of on-site parking lot; across street from residences on west side of street	72	72	0	73	73	0
ST6	On Lasselle Street adjacent to residential complex	73	73	0	74	74	0
M1	Adjacent to Lasselle Street, rear yard residences northwest of project site	64	64	0	64	64	0
M2	Adjacent to Krameria Avenue, rear yard residences southeast of project site	60	60	0	60	60	0
M3	Adjacent to Krameria Avenue and Cahuilla Drive, at Lasselle Elementary School south of project site	56	56	0	57	57	0
M4	Adjacent to Lasselle Street, rear yard residences southwest of project site	61	61	0	62	62	0

**Source:** Appendix D-2.

**Note:** CNEL = community noise equivalent level; dBA = A-weighted decibels.

As shown in Table 3.13-7, typical existing traffic noise levels would not increase as a result of the proposed project. At the nearby modeled receivers, project-related noise levels would increase by less than 1 dB. This is because additional project trips associated with the proposed project would be relatively few in number compared to existing traffic along Lasselle Street, Krameria Avenue, and the other nearby arterial roadways. Changes in noise

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level of this order (less than 1 dB) would not be audible. Therefore, the traffic noise level increase associated with the project is considered less than significant.

*On-Site Mechanical Equipment Noise.* HVAC equipment would have the potential to create noise impacts. The specific details (location, size, manufacturer, and model) of the HVAC equipment have not yet been determined. However, based on examination of several major manufacturers' HVAC equipment specifications for representative models (details of which are provided in Appendix D-4, Mechanical Noise Data), the dimensionless sound power levels<sup>10</sup> were found to range from approximately 68 dBA to 92 dBA.

The nearest existing off-site noise-sensitive use (the elementary school) would be approximately 640 feet to the south of the proposed project site. Conservatively assuming a sound power level of 92 dBA, the noise level at a distance of 200 feet would be approximately 49 dBA. The noise level would be approximately 38 dBA at the elementary school, 640 feet away. Furthermore, all HVAC or other mechanical equipment would be shielded from direct view by a rooftop parapet barrier, which would provide additional noise reduction. Therefore, noise from on-site mechanical equipment would not exceed the City's stationary-source noise standard (60 dBA  $L_{eq}$  daytime, 55 dBA  $L_{eq}$  nighttime) as detailed previously in Table 3.13-4, nor would it result in a substantial noise increase. Therefore, impacts associated with on-site mechanical noise would be less than significant.

### Mitigation Measure

To reduce potentially significant impacts related to construction of the proposed project, the following mitigation is provided.

**MM-NOI-1:** Prior to grading permit issuance, the Riverside Community College District shall ensure the following:

- All construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers.

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<sup>10</sup> Sound power or acoustic power is the rate at which sound energy is emitted, reflected, transmitted, or received, per unit time. It is calculated and expressed in watts and as sound power level ( $L_W$ ) in decibels. It is the power of the sound force on a surface of the medium of propagation of the sound wave. For a sound source, unlike sound pressure ( $L_P$ ), sound power is neither room-dependent nor distance-dependent. Sound pressure is a measurement at a point in space near the source, whereas the sound power of a source is the total power emitted by that source in all directions. The relation between sound power and sound pressure used for this analysis was the following:

$$L_P = L_W - 20 * \text{Log}(R) + 2.5,$$

where R is the source-receiver distance of interest, in feet—as for a free field above a reflecting plane (Diehl 1973).

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- Construction noise reduction methods such as shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied residential areas, and use of electric air compressors and similar power tools, rather than diesel equipment, shall be used where feasible.
- During construction, stationary construction equipment shall be placed such that emitted noise is directed away from or shielded from sensitive noise receivers.
- During construction, stockpiling and vehicle staging areas shall be located as far as practical from noise sensitive receptors.
- Construction activities should be limited to the hours of 7:00 a.m. to 5:00 p.m., Monday through Saturday.

b) ***Would the project result in generation of excessive groundborne vibration or groundborne noise levels?***

***Less-than-Significant Impact.*** Construction activities have the potential to expose persons to excessive ground-borne vibration or ground-borne noise. The California Department of Transportation has collected ground-borne vibration information related to construction activities indicating that continuous vibrations with a PPV of approximately 0.1 inches/second begin to annoy people (Caltrans 2013b). The heavier pieces of construction equipment, such as an excavator, would have PPVs of approximately 0.089 inches/second or less at a distance of 25 feet (DOT, Federal Transit Administration, Office of Planning and Environment 2006). Ground-borne vibration is typically attenuated over short distances. At the distance from the nearest residences to the nearest construction work (off-site trenching; approximately 30 feet), and with the anticipated construction equipment, the PPV vibration level would be approximately 0.0677 inches/second. This vibration level would be below the vibration threshold of potential annoyance of 0.1 inches/second. During the majority of the rest of the construction work, the distances to the nearest off-site noise- and vibration-sensitive land uses would be substantially greater (approximately 640 feet or more).

The major concern with regard to construction vibration is related to building damage. Construction vibration as a result of the proposed project would not result in structural building damage, which typically occurs at vibration levels of 0.5 inches/second or greater for buildings of reinforced-concrete, steel, or timber construction. The heavier pieces of construction equipment used would include typical construction equipment for this type of

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project, such as backhoes, front-end loaders, and flatbed trucks. Pile driving, blasting, and other special construction techniques would not be used for construction of the proposed project; therefore, excessive ground-borne vibration and ground-borne noise would not be generated. Vibration levels from project construction would be less than the thresholds of annoyance and potential for structural damage. Operation of the proposed project would not result in any sources of vibration. Therefore, impacts would be less than significant.

- c) ***Would the project be located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?***

**No Impact.** The closest airport to the project site is March Air Reserve Base/Inland Port Airport, which is located approximately 2.5 miles west of the project site. According to Riverside County’s March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan (Riverside County Airport Land Use Commission 2014), the project site is located just outside of the March Air Reserve Base/Inland Port Airport’s influence area boundary. No private airstrips are located within the broader vicinity of the City (AirNav.com 2019). Thus, air traffic noise associated with the airport would not expose construction workers or District or City employees to excessive noise levels. Therefore, no impacts associated with public airport and air traffic noise would occur.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIV. POPULATION AND HOUSING – Would the project:</b>				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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### 3.14 Population and Housing

- a) *Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?*

***Less-than-Significant Impact.*** The proposed project would not directly induce substantial population growth in the area, as no residential units are proposed. However, the proposed project involves construction and operation of a welcome center building, which would require temporary construction and permanent operational workforces, both of which could potentially induce population growth in the project area. The temporary workforce would be needed to construct the Welcome Center building and associated on-site improvements. The number of construction workers needed during any given period would largely depend on the specific stage of construction but would likely be, on average, a few dozen workers at any given time throughout the workday. These short-term positions are anticipated to be filled primarily by workers who reside in the project area vicinity; therefore, construction of the proposed project would not generate a permanent increase in population within the project area.

Once operational, the project would consist of a new building that would house existing College student services. The District, as the lead agency, has anticipated the addition of such a space as part of its master planning efforts for the College. The proposed project would provide the College with a larger and state-of-the-art space that would allow it to continue to provide services to its student body. These services would include financial aid, academic counseling, tutoring, study spaces, and other support services. Obtaining these goals would have no direct or indirect impact on population growth. Once operational, the new Welcome Center building would be operated by the existing school staff and no new staff would be required. Therefore, the proposed project would not directly or indirectly induce substantial population growth in the area. Impacts would be less than significant.

- b) *Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?*

***No Impact.*** The proposed project consists of the construction of a new welcome center on an existing lot within the College boundaries. The proposed project would not displace existing housing and would not necessitate the construction of replacement housing elsewhere. Therefore, there would be no impact.

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XV. PUBLIC SERVICES</b>				
a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
Fire protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Other public facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.15 Public Services

- a) *Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:*

#### *Fire protection?*

***Less-than-Significant Impact.*** The City contracts with the County of Riverside Fire Department in order to provide fire services, including to the proposed project site. The City is served by five stations within its boundary, along with another station that is shared with the City of Riverside. According to the City General Plan (City of Moreno Valley 2006a), there are a total of five first-line municipal fire engines, three second-line municipal fire engines, one wildland fire engine, two aerial ladder trucks, five rescue squads, and one breathing support unit.

The closest fire station is Station 91 (College Park Fire Station), located at 16110 Lasselle Street, which was opened in 2003 and is located approximately one block north of the project site. The station houses one 75-foot ladder truck, one second-line engine, and one breathing support unit. Although the proposed project would require fire protection and/or paramedic services in the event of an emergency, the project is not expected to result in the need for new or physically altered fire facilities, or to result in the station's inability to maintain acceptable service ratios, response times, or other performance objectives. The increase in demand for fire protection services due to the proposed project would result in a less-than-significant impact.

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### *Police protection?*

***Less-than-Significant Impact.*** The proposed project site is currently served by the City of Moreno Valley Police Department. According to the department website (City of Moreno Valley 2019), the City of Moreno Valley Police Department has an Administrative Division, Patrol Division, Special Enforcement Division, Traffic/Community Services Division, and a Detective Division. The Patrol Division has 9 supervising sergeants, 64 sworn patrol officers, 3 K-9 teams, and 10 non-sworn officers.

The Moreno Valley Police Department has adopted a "Zone Policing" strategy. The intent of Zone Policing is to improve response times to calls for service, make officers more familiar with community areas, and connect the department with citizens and business owners within their assigned zones. To facilitate this concept, the City has been divided into four zones and police officers are assigned to a specific zone. Each zone is comprised of a team that consists of a Zone Commander, Zone Supervisor, and Zone Coordinator. The proposed project falls within Zone 4.

While the City is served by ample police in order to address any issues in and around the College, the District has its police department, consisting of Chief of Police, three Sergeants, six Corporals, Police Officers, Reserve Officers, one Community Service Coordinator, and Community Service Aids. The bulk of these resources are located at the main Riverside City College in Riverside; however, there are four full-time officers assigned to the College, as well as a number of community service officers and part-time officers for shift overlap and special services. The proposed project is not anticipated to add a new strain on the existing police functions given the nominal increase in office/classroom space on the campus. Therefore, while the proposed project would require police protection services, the project is not expected to result in the need for new or physically altered police facilities, or to result in an inability to maintain acceptable service ratios, response times, or other performance objectives. The increase in demand for police protection services due to the proposed project would result in a less-than-significant impact.

### *Schools?*

***Less-than-Significant Impact.*** The construction and operation of the proposed project would not increase the population within the area. The proposed project is required for the existing staff and students located at the College. Therefore, the project would not generate the need for additional school capacity. Impacts would be less than significant.

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### *Parks?*

**No Impact.** The construction and operation of the proposed project would not increase the population within the area. The proposed project would not eliminate any parks or recreational opportunities. The proposed project is needed for the existing staff and students and would not dramatically increase the number of students attending this College, creating additional demand for parks in the surrounding community. Therefore, the project would not generate the need for additional parks. No impacts to parks are anticipated.

### *Other public facilities?*

**No Impact.** The proposed project would not result in adverse impacts related to the provision of other public facilities, such as libraries or medical services. The proposed project is needed under existing conditions and would not contribute to a significant growth in the surrounding community and would also not exert undue pressure on other public facilities. In addition, the campus has a library and health services are provided on campus. No impacts to other public facilities are anticipated.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVI. RECREATION</b>				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### 3.16 Recreation

- a) ***Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?***

**No Impact.** The proposed project is a new building on campus that would not result in significant new employment on the campus. The functions that would be housed in the new



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Welcome Center are already occurring on campus, but are not efficiently housed in one building with enough space for students. Therefore, because the proposed project would not result in new employment on campus or bring new employees to the City, there would be no impact to existing neighborhood and regional parks. Construction workers hired to construct the project would come from the local and regional area, likely not resulting in new residents to the City of Moreno Valley, given the short-term nature of the construction. In summary, the proposed project would not increase the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of those facilities would occur or be accelerated. No impact is anticipated.

- b) *Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?***

**No Impact.** The proposed project does not include recreational facilities nor would it require the construction or expansion of recreational facilities. The proposed project is a new welcome center building on the College campus that is proposed for an open grassy area. No significant new employment would be required as part of this project resulting in new employees who would require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment. Therefore, the proposed project would have no impact on recreational facilities.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVII. TRANSPORTATION</b> – Would the project:				
a) Conflict with program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)??	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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## 3.17 Transportation

- a) *Would the project conflict with program plan, ordinance or policy addressing the performance of the circulation system, including transit, roadway, bicycle and pedestrian facilities?*

***Less-than-Significant Impact.*** The following assessment describes the existing and project traffic conditions and identifies potential traffic-related impacts associated with the proposed project per current operational traffic policies in the City. A traffic analysis has been prepared that evaluated the proposed project pursuant to CEQA and in accordance with the City Traffic Impact Analysis Preparation Guide (City of Moreno Valley 2007b). The traffic analysis follows the City's traffic study guidelines and is consistent with traffic impact assessment guidelines set forth in the Riverside County Congestion Management Program (RCTC 2011).

### ***Methodology***

To evaluate the effect that the project would have on traffic conditions, a level of service (LOS) analysis was conducted at two study area intersections, Lasselle Street/College Drive and Krameria Avenue/Cahuilla Drive, for the following scenarios:

- Existing Conditions
- Existing plus Project
- Opening Year 2021 Baseline (includes existing traffic plus the addition of a 2% annual growth rate and traffic from cumulative projects in the study area)
- Opening Year 2021 plus Project

The City utilizes the Highway Capacity Manual methodology to analyze the operation of signalized and unsignalized study intersections. The Highway Capacity Manual analysis methodology describes the operation of an intersection using a range of LOS from LOS A (free-flow conditions) to LOS F (severely congested conditions), based on the corresponding control delay experienced per vehicle for unsignalized intersections. Table 3.17-1 shows the levels and ranges of LOS for unsignalized and signalized intersections under the Highway Capacity Manual methodology.

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**Table 3.17-1**  
**Levels of Service for Intersections Using Highway Capacity Manual 2010 Methodology**

Level of Service	Unsignalized Intersections Control Delay (in seconds)	Signalized Intersections Control Delay (in seconds)
A	< 10.0	< 10.0
B	> 10.0 to < 15.0	> 10.0 to < 20.0
C	> 15.0 to < 25.0	> 20.0 to < 35.0
D	> 25.0 to < 35.0	> 35.0 to < 55.0
E	> 35.0 to < 50.0	> 55.0 to < 80.0
F	> 50.0	> 80.0

Source: TRB 2010.

### *Significance Criteria*

The minimum acceptable LOS for the City is LOS D for intersections that are adjacent to freeway on/off ramps and/or adjacent to employment generating land uses. LOS C is applicable at all other intersections. For the study area intersections analyzed, LOS C is the minimum acceptable LOS.

Deficient intersection LOS conditions occur once project-related trips cause the peak hour LOS to change from acceptable “pre-project” LOS (LOS C or better) to an unacceptable LOS (LOS D or worse). For intersections operating at an unacceptable LOS (LOS D or worse), the addition of 50 or more project trips would result in a significant impact.

### *County of Riverside Congestion Management Program*

The Riverside County Transportation Commission is designated as the Congestion Management Agency for the region and prepares the Congestion Management Program. None of the study area intersections are in proximity to Congestion Management Program roadways or intersections; therefore, they would not add the minimum number of vehicle trips needed for an additional Congestion Management Program analysis.

### **Existing Circulation Network**

Figure 7, Existing Traffic Controls and Geometrics, identifies the project’s two study intersections, the number of through traffic lanes for existing roadways, and intersection traffic controls. All intersection count data is presented in Appendix E-1.

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### *Transit Service*

The study area is served by the Riverside Transit Authority (RTA), which serves the College via Routes 18, 19, 20, and 41.

RTA Route 18 has stops along Lasselle Street directly west of the project and on College Drive. Route 18 provides access to the Moreno Valley Mall and the College and operates from 5:34 a.m. to 9:59 p.m. in the northbound direction and from 6:58 a.m. to 8:36 p.m. in the southbound direction during weekday service. The route also offers weekend/holiday service ranging from approximately 7:00 a.m. to 8:00 p.m.

RTA Route 19 has stops along Lasselle Street, providing access to the Moreno Valley Mall, the College, and the Perris Station Transit Center. Route 19 operates from 3:16 a.m. to 10:29 p.m. in the northbound direction and from 4:29 a.m. to 11:27 p.m. in the southbound direction during weekday service. The route also offers weekend/holiday service ranging from approximately 6:00 a.m. to 10:30 p.m.

RTA Route 20 has stops along Lasselle Street, providing access to Riverside University Medical Center, Kaiser Permanente Hospital, the College, and the Moreno Valley/March Field Metrolink Station. Route 20 operates from 4:18 a.m. to 10:37 p.m. in the eastbound direction and from 3:42 a.m. to 11:14 p.m. in the westbound direction during weekday service. The route also offers weekend/holiday service ranging from approximately 7:00 a.m. to 9:30 p.m.

RTA Route 41 has stops along Lasselle Street, providing access to the Riverside University Medical Center, the College, and the Mead Valley Community Center. Route 41 operates from 5:52 a.m. to 6:02 p.m. in the eastbound direction and from 5:56 a.m. to 6:58 p.m. in the westbound direction during weekday service. The route also offers weekend/holiday service ranging from approximately 7:00 a.m. to 7:00 p.m.

### *Bicycle and Pedestrian Facilities*

There is currently a Class III bicycle route (i.e., a signed and shared roadway that provides for shared use with motor vehicle traffic) along Lasselle Street, west of the project between Iris Avenue and Krameria Avenue. Sidewalks currently exist along both sides of College Drive and Lasselle Street and on Krameria Avenue, south of Cahuilla Drive. These sidewalks currently serve pedestrians related to the College and the adjacent Lasselle Elementary School to the south of the College campus.

### **Project Trip Generation, Distribution, and Assignment**

The project would result in construction of a new welcome center on the existing College campus. The Welcome Center would not result in significant new employment on campus,

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as functions within the new Welcome Center are already occurring in other areas of campus. The project is not anticipated to generate new traffic, as it would serve the College's existing and planned future enrollment. Therefore, the analysis of potential transportation impacts would be considered conservative.

For purposes of this analysis, the project's trip generation estimates for the daily and peak hour conditions are based on the trip generation rates identified by the Institute of Transportation Engineers.

**Table 3.17-2  
Project Trip Generation**

Land Use	Quantity (TSF) <sup>2</sup>	Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
Junior/Community College (ITE Code 540)	17.305	350	28	8	36	16	16	32
<b>Total Trips</b>		<b>350</b>	<b>28</b>	<b>8</b>	<b>36</b>	<b>16</b>	<b>16</b>	<b>32</b>

Sources: ITE 2017.

<sup>1</sup> TSF = thousand square feet

As presented in Table 3.17-2, the proposed project would generate 350 daily trips, 36 AM peak hour trips (28 inbound trips and 8 outbound trips) and 32 PM peak hour trips (16 inbound trips and 16 outbound trips).

The project's trip generation was used to create a trip distribution and trip assignment based on logical routes of travel within the study area. Figure 9 displays the project trip assignment and distribution.

### Existing Conditions

As indicated in Table 3.17-3, both study intersections are presently operating with satisfactory LOS at LOS C or better during the weekday AM and PM peak hours under existing conditions. Figure 8 displays the existing weekday AM and PM peak hour volumes. LOS reports are provided in Appendix E-2.

### Existing Plus Project

The project trip assignment was added to the existing condition's volumes to analyze the Existing plus Project condition.

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**Table 3.17-3  
Existing plus Project Peak Hour Levels of Service**

Intersection	Existing Conditions				Existing plus Project				Delay Change		Number of Project Trips Added		Significant Impact?	
	AM Peak Hour		PM Peak Hour		AM Peak Hour		PM Peak Hour		AM	PM	AM	PM	AM	PM
	Delay <sup>1</sup>	LOS	Delay <sup>1</sup>	LOS	Delay <sup>1</sup>	LOS	Delay <sup>1</sup>	LOS						
1. Lasselle Street/College Drive	31.2	C	19.3	B	32.1	C	20.2	C	0.9	0.9	20	19	no	no
2. Krameria Avenue/Cahuilla Drive	10.7	B	8.1	A	10.8	B	8.1	A	0.1	0.0	11	10	no	no

**Notes:** LOS = level of service.

**Bold** = Unsatisfactory LOS.

= significant impact.

<sup>1</sup>. Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all-way stop control.

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As shown in Table 3.17-3, application of the City’s threshold criteria to the Existing plus Project scenario indicates that the proposed project would not create a significant impact at any of the study intersections, as intersection LOS would continue to operate at LOS C or better. Therefore, no traffic mitigation measures are required under the Existing plus Project condition. Figure 10 displays the Existing plus Project weekday AM and PM peak hour volumes. LOS worksheets are provided in Appendix E-2.

### Opening Year 2021 Baseline

The Opening Year 2021 Baseline condition is based on the addition of traffic generated by cumulative (approved but not yet constructed or related development) projects in the area, as well as a growth rate of 2% per year. Cumulative projects were provided by the City’s Planning Department. Figure 11 displays the locations of cumulative projects evaluated and Table 3.17-4 displays the trips generated by cumulative projects.

**Table 3.17-4  
Cumulative Projects Trips Generation Summary**

No.	Project <sup>1</sup>	Daily	AM Peak Hour			PM Peak Hour		
			In	Out	Total	In	Out	Total
1	Continental East Phase II – Multifamily	915	14	44	58	44	26	70
2	36401 Continental East Fund II – Single Family	868	17	51	68	57	19	76
3	Villa Annette Apartments – Multifamily	1,610	23	78	101	78	46	124
4	South Moreno Valley Walmart Project	9,625	218	170	388	411	423	834
5	32142 GHA – Multifamily	454	7	22	29	22	13	35
6	PEN16-0130 ROCIII CA Belago LLC – Multifamily	3,052	44	148	192	147	87	234
7	33024 Adam Wisler – Single Family	76	1	5	6	5	3	8
8	2716 Bob Rogers – Single Family	538	11	32	43	36	21	57
9	31442 SKG Pacific Enterprises Inc – Single Family	595	12	35	47	39	24	63
<b>Total Trip Generation</b>		<b>17,773</b>	<b>347</b>	<b>585</b>	<b>932</b>	<b>839</b>	<b>661</b>	<b>1,500</b>

Sources: ITE 2017; Urban Crossroads 2015.

As indicated in Table 3.17-5, the intersection of Laselle Street/College Drive would degrade to an unsatisfactory LOS D in the AM peak hour in the cumulative (without project) condition. Krameria Avenue/Cahuilla Drive would continue to operate with satisfactory LOS at LOS B or better in both peak hours. Figure 12 displays the Opening Year 2021 Baseline weekday AM and PM peak hour volumes. LOS reports are provided in Appendix E-2.



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### Opening Year 2021 Plus Project

The project's trip generation was added to the Opening Year 2021 Baseline volumes to analyze the Opening Year 2021 plus Project condition.

As shown in Table 3.17-5, application of the City's threshold criteria to the Opening Year 2021 plus Project scenario indicates that the proposed project would not create a significant impact at the study intersections. Although the intersection of Lasselle Street/College Drive is forecast to operate at LOS D in the AM peak hour, the project adds fewer than the 50 trips to the intersection, which is not considered to be a significant impact. Because there are no significant impacts, no traffic mitigation measures are required under the Opening Year plus Project condition. Figure 13 displays the Opening Year 2021 plus Project weekday AM and PM peak hour volumes. LOS reports are provided in Appendix E-2.



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For the reasons described above, the project traffic would not generate significant impacts at any of the study area intersections. As such, it would not conflict with the City's criteria for the performance of intersections. Impacts related to vehicular traffic generated by the proposed project would therefore be less than significant.

**b) *Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)(1)?***

***Less-than-Significant Impact.*** As previously discussed within Section 3.6, the annual vehicle miles traveled (VMT) as a result of the project is expected to be 823,429 VMT. This value is based on the project's daily trip generation provided in Table 3.17-2. The project site is not within the necessary 0.5 mile distance of an existing major transit stop, nor is it within the vicinity of a stop along an existing high-quality transit corridor. At this moment, the City has not developed specific significance criteria nor have they adopted a methodology to analyze VMT-related impacts. However, for purposes of this analysis, a proposed project equaling or exceeding 15% of the existing regional VMT (per employee) may indicate a significant impact.

As previously discussed, the project is not expected to result in the hiring of more employees for the College, nor would it increase planned student enrollment; therefore, the increase in VMT as a result of the project is entirely attributable to the planned (and approved) increase in student population. These increases in student population will have already been included within local or regional transportation models, and as result, the project will not be adding VMT beyond what the baseline year already reflects. Therefore, impacts to CEQA Guidelines section 15064.3, subdivision (b)(1) would be less than significant.

**c) *Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?***

***No Impact.*** The proposed project would not include any new roadway design features, nor would it alter any existing geometric design features. The site access for the College would remain the same as existing conditions. This would ensure the safety of persons using the streets and sidewalks to the extent feasible. As such, the project would not substantially increase hazards due to a roadway design feature. No impact would occur.

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**d) *Would the project result in inadequate emergency access?***

***Less-than-Significant Impact.*** As previously discussed, all project-related traffic would access existing parking lots for the College via College Drive, Cahuilla Drive, or Krameria Avenue. The project would not adjust or alter these roadways or access to the parking area and therefore would not create significant impediments for emergency access. Additionally, vehicular trips for the project would be low and not cause any adverse traffic impacts. Therefore, impacts to emergency access would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XVIII. TRIBAL CULTURAL RESOURCES</b>				
<b>a)</b> Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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### 3.18 Tribal Cultural Resources

a) *Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:*

i) *Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k)?*

*No Impact.* As previously addressed in Section 3.5, Cultural Resources, no historic built environment resources were identified within the project site as a result of the California Historical Resources Information System records search. Therefore, the likelihood of historic resources, even subsurface, is low. No tribal cultural resources (either listed or eligible for listing) were identified within the project site as a result of the California Historical Resources Information System records search, NAHC Sacred Lands File search, or Native American outreach efforts. Therefore, there would be no impacts associated with historical resources listed or eligible for listing in the California Register of Historical Resources or a local register of historical resources.

ii) *A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe?*

*Less-than-Significant Impact With Mitigation Incorporated.* The Sacred Lands Files search conducted by the NAHC failed to indicate the presence of Native American cultural resources in the immediate project area. The NAHC provided a list of nine Native American groups and individuals who may have knowledge of cultural resources in the project area. Letters were sent to each of the nine representatives on November 8, 2018, requesting any knowledge of resources in the project area.

Additionally, in compliance with AB 52, the District contacted all NAHC-listed California Native American tribal representatives that have previously requested

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project notification on January 4, 2019 with an invitation for formal consultation. To date, the District received responses from eight tribes:

- **Gabrieleno Band of Mission Indians—Kizh Nation:** Declined to initiate formal consultation; deferred to other tribes within the area.
- **Morongo Band of Mission Indians:** Declined to initiate formal consultation.
- **Agua Caliente Band of Cahuilla Indians:** Declined to initiate formal consultation; deferred to the Soboba and Morongo Band of Mission Indians.
- **Pechanga Band of Luiseño Indians:** Declined to initiate formal consultation.
- **Augustine Band of Cahuilla Indians:** Declined to initiate formal consultation.
- **Twenty-Nine Palm Band of Mission Indians:** Declined to initiate formal consultation.
- **Rincon Band of Luiseño Indians:** Requested formal consultation.
- **Soboba Band of Luiseño Indians:** Requested formal consultation.

District staff initiated formal consultation pursuant to AB 52 with the Rincon Band of Luiseño Indians on March 21, 2019 and the Soboba Band of Luiseño Indians on March 28, 2019. Mr. Bart Doering represented the District. The representative of the Rincon Band of Luiseño Indians stated that the proposed project is within the ancestral territory and traditional use area of the Rincon Band of Luiseño Indians and that the project area is potentially sensitive for buried deposits. Similarly, the Soboba Band of Luiseño Indians stated that project site is considered to be culturally sensitive by the people of Soboba. Therefore, both tribes requested that the District include mitigation measures as part of the project to preserve cultural resources in the event of the unanticipated discovery of archaeological resources or unanticipated discovery of human remains. During the formal consultation process, the District provided each tribe with proposed mitigation, and after consultation with both tribes, determined that implementation of **MM-TRC-1** and **MM-TRC-2** would appropriately mitigate impacts to tribal cultural resources to less than significant levels. Upon acknowledgment by the District that it would implement **MM-TRC-1** and **MM-TRC-2**, both the Rincon Band of Luiseño Indians and the Soboba Band of Luiseño Indians concluded formal consultation with the District. Therefore, with implementation of **MM-TRC-1** and **MM-TRC-2**, the project would have a less than significant impact with respect to tribal cultural resources.

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**MM-TRC-1** Worker Environmental Awareness (WEAP) Training shall be provided for all construction personnel involved in the new ground disturbance. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under CEQA (14 CCR 15064.5(f), California PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, or data recovery) may be warranted. If Native American resources are discovered or are suspected, Native American tribes, as indicated by the Native American Heritage Commission, shall be notified to evaluate the significance of the resource.

**MM-TRC-2** In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the NAHC in Sacramento within 24 hours. In accordance with California PRC, Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XIX. UTILITIES AND SERVICE SYSTEMS – Would the project:</b>				
a) Require or result in the relocation or construction of new or expanded water, or wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities or expansion of existing facilities, the construction or relocation of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have sufficient water supplies available to serve the project from existing entitlements and resources, and reasonably foreseeable future development during normal, dry and multiple dry years?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 3.19 Utilities and Service Systems

- a) *Would the project require or result in the relocation or construction of new or expanded water, or wastewater treatment, or storm water drainage, electric power, natural gas, or telecommunications facilities or expansion of existing facilities, the construction or relocation of which could cause significant environmental effects?*

***Less-than-Significant Impact.*** As part of the proposed project, utility service lines, including those for water, wastewater, stormwater drainage, electric power, natural gas, and telecommunications services, would be extended from their current locations within the College campus to the project site for operation of the proposed Welcome Center. Given that the activity of connecting utilities from their current locations on campus to the proposed Welcome Center would require ground disturbance and the use of heavy machinery associated with trenching, the connection of these utility services to the proposed Welcome Center could potentially result in environmental effects. However, the



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extension of these utility lines is part of the proposed project analyzed herein. As such, any potential environmental impacts related to these components of the proposed project are already accounted for in this IS/MND as part of the impact assessment conducted for the entirety of the proposed project. No adverse physical effects beyond those already disclosed in this IS/MND would occur as a result of implementation of the proposed project's utility system connections. Additionally, the project would constitute a nominal increase in utility usage, which has already been accounted for in growth projections for the College, City, and by each utility provider. No modifications to utility infrastructure would be necessary outside of the project site. As such, impacts associated with the construction or expansion of utility line connections would be less than significant.

- b) *Would the project have sufficient water supplies available to serve the project from existing entitlements and resources, and reasonably foreseeable future development during normal, dry and multiple dry years or are new or expanded entitlements needed?*

**Less-than-Significant Impact.** The proposed project would be served by Eastern Municipal Water District (EMWD), which serves an area of approximately 555 square miles in western Riverside County. EMWD has four sources of water supply: local groundwater, desalinated groundwater, recycled water, and imported water from Metropolitan Water District.

As an urban water supplier, EMWD is required to assess the reliability of its water supply service under the multiple-dry year scenario. Based on historical extraction and estimated population growth rates, the projected water supply and demand for the single- and multiple-year dry year scenarios were calculated for the 2015 Urban Water Management Plan. Table 3.19-1 provides the EMWD supply-and-demand comparison.

**Table 3.19-1  
Multiple-Dry Year Supply-and-Demand Comparison (acre-feet per year)**

Dry Year Scenario	Supply and Demand	2020	2025	2030	2035	2040
First Year	Supply totals	166,300	182,400	197,400	212,000	225,700
	Demand totals	166,300	182,400	197,400	212,000	225,700
	<b>Difference</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Second Year	Supply totals	142,500	155,400	167,400	179,000	190,100
	Demand totals	142,500	155,400	167,400	179,000	190,100
	<b>Difference</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Third Year	Supply totals	149,500	162,700	175,100	186,900	198,600
	Demand totals	149,500	162,700	175,100	186,900	198,600

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**Table 3.19-1  
Multiple-Dry Year Supply-and-Demand Comparison (acre-feet per year)**

Dry Year Scenario	Supply and Demand	2020	2025	2030	2035	2040
	Difference	0	0	0	0	0

Source: EMWD 2016, Table 7-8.

As shown in Table 3.19-1, EMWD has the ability to meet current and projected water demands through 2040 during historic multiple-dry year periods using imported water from Metropolitan Water District with existing supply resources. However, in the unlikely event of a drought, an earthquake that damages delivery facilities, or a regional power outage, EMWD has prepared a water shortage contingency plan. This plan involves five stages depending on the water supply conditions, with Stage 1 equating to a 10% supply reduction and Stage 5 equating to a 50% or greater supply reduction. Each stage towards Stage 5 includes further restrictions and prohibitions on water use to ensure adequacy of water supply. Based on the future and existing capacity, and water management measures, it is anticipated there are sufficient water supplies to serve the proposed project. Therefore, impacts associated with water supplies would be less than significant.

- c) ***Would the project result in a determination by the wastewater treatment provider, which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?***

***Less-than-Significant Impact.*** EMWD manages wastewater for the proposed project service area. According to EMWD's updated Urban Water Management Plan (EMWD 2016), EMWD maintains a regional recycled water system that provides tertiary-treated recycled water to customers for agricultural, landscape irrigation, environmental, and industrial use. EMWD's recycled water system consists of four regional water reclamation facilities (RWRFs) that treat municipal sewage and produce water for recycling. The four RWRFs, the San Jacinto Valley RWRF, the Moreno Valley RWRF, the Temecula Valley RWRF, and the Perris Valley RWRF, are spread throughout EMWD's service area. While the majority of the project's wastewater would be treated at the Moreno Valley RWRF, interconnections between the local collections systems serving each treatment plant allow system operators to route wastewater to other RWRFs for operational flexibility and improved reliability. In 2015, the four RWRFs treated 48,665 acre-feet of wastewater flows; they have a combined capacity of 81,800 acre-feet per year.

The proposed project would generate the same types of municipal wastewater that are currently generated throughout EMWD's service area. Effluent produced by the proposed

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project would not require special treatment prior to entering the municipal sewer system, and no atypical measures would be required to treat the proposed project's wastewater. Based on the existing capacity, the future anticipated demand for wastewater treatment services would not result in significant impacts to wastewater treatment facilities. Therefore, impacts associated with wastewater treatment capacity would be less than significant.

- d) ***Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?***

***Less-than-Significant Impact.*** The Riverside County Waste Management Department manages Riverside County's solid waste system through the provision of facilities and programs that meet or exceed all applicable local, state, federal, and land use regulations. The department manages several Riverside County Sanitary Landfills: Badlands, Blythe, Desert Center, El Sobrante, Lamb Canyon, Mecca II, and Oasis. Each of these landfills has sufficient capacity to accommodate the project's minimal solid waste disposal needs and are permitted to receive non-hazardous municipal solid waste (Cal Recycle 2018). According to the City General Plan EIR (City of Moreno Valley 2006b), solid waste generated within the City planning area is typically deposited in the Riverside County Waste Management Department's Badlands Landfill, a Class III (i.e., municipal waste) landfill located in Moreno Valley. However, other landfills typically utilized by the City include the Lamb Canyon Landfill and the El Sobrante Landfill. As of January 2015, the Badlands Landfill is anticipated to reach capacity in 2022; however, the landfill site has potential for further expansion. Additionally, both the Lamb Canyon and El Sobrante Landfills have additional storage capacity beyond the Badlands Landfill.

Construction of the proposed project would include the demolition of the existing sidewalk and some landscaping. Expected waste materials would include concrete and landscape materials. The District will make a good faith effort to recycle as much of the demolition material as feasible. Any number of local landfills typically utilized by the City have sufficient capacity to accommodate this volume of non-hazardous waste. Only minimal waste is anticipated once the proposed Welcome Center building is built. This waste can easily be folded into the existing College's handling of its day-to-day waste stream. Any impacts related to solid waste will be less than significant.

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- g) *Would the project comply with federal, state, and local management and reduction statutes and regulations related to solid waste?*

**Less-than-Significant Impact.** The proposed project would be required to comply with all applicable federal, state, and local agency regulations related to solid waste. Under AB 939, the Integrated Waste Management Act of 1989, local jurisdictions are required to develop source reduction, reuse, recycling, and composting programs to reduce the amount of solid waste entering landfills. Local jurisdictions are mandated to divert at least 50% of their solid waste generation into recycling. The proposed project would be subject to compliance with AB 939.

In addition, the state has set an ambitious goal of 75% recycling, composting, and source reduction of solid waste by 2020. To help reach this goal, the state has adopted AB 341 and AB 1826. AB 341 is a mandatory commercial recycling bill, and AB 1826 is mandatory organic recycling. Waste generated by the proposed project would enter the City’s waste stream but would not adversely affect the City’s ability to meet AB 939, AB 341, or AB 1826, since the proposed project’s waste generation would represent a nominal percentage of the waste created within the City. Therefore, impacts related to compliance with solid waste regulations would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XX. Wildfire</b> – If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project:				
a) Substantially impair an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

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### 3.20 Wildfire

- a) *Would the project substantially impair an adopted emergency response plan or emergency evacuation plan?*

**Less-than-Significant Impact.** As discussed in Section 3.9(f), due to the local and regional connectivity of the project site, in the unlikely event of an emergency, the project-adjacent roadway facilities would serve as emergency evacuation routes for first responders and persons at the College. The proposed project would not adversely affect operations on the local or regional circulation system, and as such, would not impact the use of these facilities as emergency response routes. Therefore, impacts associated with an emergency response plan or emergency evacuation plan would be less than significant.

- b) *Would the project, due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?*

**Less-than-Significant Impact.** While Figure 5.5-2 of the General Plan EIR (City of Moreno Valley 2006b) does identify areas of substantial wildfire risk east of the College primarily around the open areas of Lake Perris, the proposed project itself is not located within a fire hazard area. Numerous access points to the eastern boundary of the College exist, and the project would not adversely affect the use of existing emergency response or evacuation plans. As such, in the unlikely event of a wildfire in the areas proximate to the project site, all occupants at the project site and College would evacuate the area, as directed by local fire officials. Additionally, the project would be located within the middle of the existing College campus, on a flat project site, surrounded by existing development. As such, the proposed project would not exacerbate wildfire risks due to slope, prevailing winds, and other factors. Therefore, impacts would be less than significant.

- c) *Would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?*

**Less-than-Significant Impact.** Under the existing conditions, the project site contains a landscaped grass field within the existing College campus. The proposed project would not involve installation or maintenance of infrastructure that would exacerbate fire risk. Although the proposed project would involve installation of utilities within the project site, any potential environmental impacts related to these components of the proposed project are already accounted

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for in this IS/MND as part of the impact assessment conducted for the entirety of the proposed project. Therefore, impacts associated with installation or maintenance of associated infrastructure resulting in exacerbated fire risk would be less than significant.

- d) ***Would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?***

***Less-than-Significant Impact.*** As discussed in Section 3.20(b), while the project site would be located at the base of the hills of the Lake Perris State Recreation Area, the proposed project itself is not located within a fire hazard area. The nearest slopes to the project site are located to the north and east of the project site. However, the proposed project would be located centrally within the existing College campus surrounded by existing campus buildings. In the unlikely event that any of the surrounding hillsides would be denuded as a result of wildfire, existing development within the College would block the project site from any damage associated with downslope or downstream flooding or landslides as a result of runoff, post-slope instability, or drainage changes. Additionally, as discussed in Section 3.7(a)(iv), there is no evidence of ancient landslides or slope instabilities at the site and there are no significant slopes located on or near the project site that may be considered susceptible to landslides. As such, impacts would be less than significant.

	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
<b>XXI. MANDATORY FINDINGS OF SIGNIFICANCE</b>				
a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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	Potentially Significant Impact	Less Than Significant Impact With Mitigation Incorporated	Less Than Significant Impact	No Impact
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### 3.21 Mandatory Findings of Significance

- a) *Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?*

***Less-than-Significant Impact With Mitigation Incorporated.*** As discussed in Section 3.4, through compliance with local, state, and federal regulations and Project Design Feature-1, the project would not result in significant impacts to biological resources. In addition, because of the low potential for the inadvertent discovery of cultural resources within the project site, the project archaeologist determined that no additional management recommendations are necessary beyond standard measures to address unanticipated discoveries of cultural and paleontological resources and human remains, as outlined in **MM-CUL-1, MM-TRC-1, MM-TRC-2** and **MM-GEO-1**. Based on compliance with **MM-CUL-1, MM-TRC-1, MM-TRC-2,** and **MM-GEO-1**, impacts to buried, currently unrecorded/unknown archaeological and paleontological resources would be less than significant; therefore, with mitigation incorporated, the project would not degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory.

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- b) *Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?*

***Less-than-Significant Impact with Mitigation Incorporated.*** When evaluating cumulative impacts, it is important to remain consistent with Section 15064(h) of the CEQA Guidelines, which states that an EIR must be prepared if the cumulative impact may be significant and the project’s incremental effect, though individually limited, is cumulatively considerable. “Cumulatively considerable” means that the incremental effects of an individual project are significant when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.

Alternatively, a lead agency may determine that a project’s incremental contribution to a cumulative effect is not cumulatively considerable through mitigation measures set forth in an MND or if the project will comply with the requirements in a previously approved plan or mitigation program (including, but not limited to, water quality control plan, air quality attainment or maintenance plan, integrated waste management plan, habitat conservation plan, natural community conservation plan, plans or regulations for the reduction of greenhouse gas emissions) that provides specific requirements that will avoid or substantially lessen the cumulative problem within the geographic area in which the project is located.

The proposed project would potentially result in project-related cultural resources, geological resources, and tribal cultural resources impacts that could be potentially significant without the incorporation of mitigation. Thus, when coupled with cultural resources, geological resources, and tribal cultural resources impacts related to the implementation of other related projects throughout the broader project area, the project would potentially result in cumulative-level impacts if these significant impacts are left unmitigated.

However, with the incorporation of mitigation identified herein, the project’s cultural resources, geological resources, and tribal cultural resources impacts would be reduced to less-than-significant levels and would not considerably contribute to cumulative impacts in the greater project region. In addition, these other related projects would presumably be bound by their applicable lead agency to (1) comply with the all applicable federal, state, and local regulatory requirements; and (2) incorporate all feasible mitigation measures, consistent with CEQA, to further ensure that their potentially cumulative impacts would be reduced to less-than-significant levels.



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Although cumulative impacts are always possible, the project, by incorporating all mitigation measures outlined herein, would reduce its contribution to any such cumulative impacts to less than cumulatively considerable; therefore, the project would result in individually limited, but not cumulatively considerable, impacts.

- c) *Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?*

*Less-than-Significant Impact With Mitigation Incorporated.* As evaluated throughout this document, with incorporation of mitigation, environmental impacts associated with the proposed project would be reduced to less-than-significant levels. Thus, the proposed project would not directly or indirectly cause substantial adverse effects on human beings. Impacts would be less than significant with incorporation of mitigation.

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## 4.2 List of Preparers

### Riverside Community College District

Bart Doering, Facilities Development Director, Riverside Community College District

### Dudek

Rachel Struglia, PhD, AICP, Project Manager

Patrick Cruz, Environmental Analyst

Adam Poll, Air Quality Analyst

Mike Greene, Acoustician

Mladen Popovic, Traffic Analyst

Curtis Battle, Geographic Information Systems Specialist

Hannah Wertheimer, Technical Editor

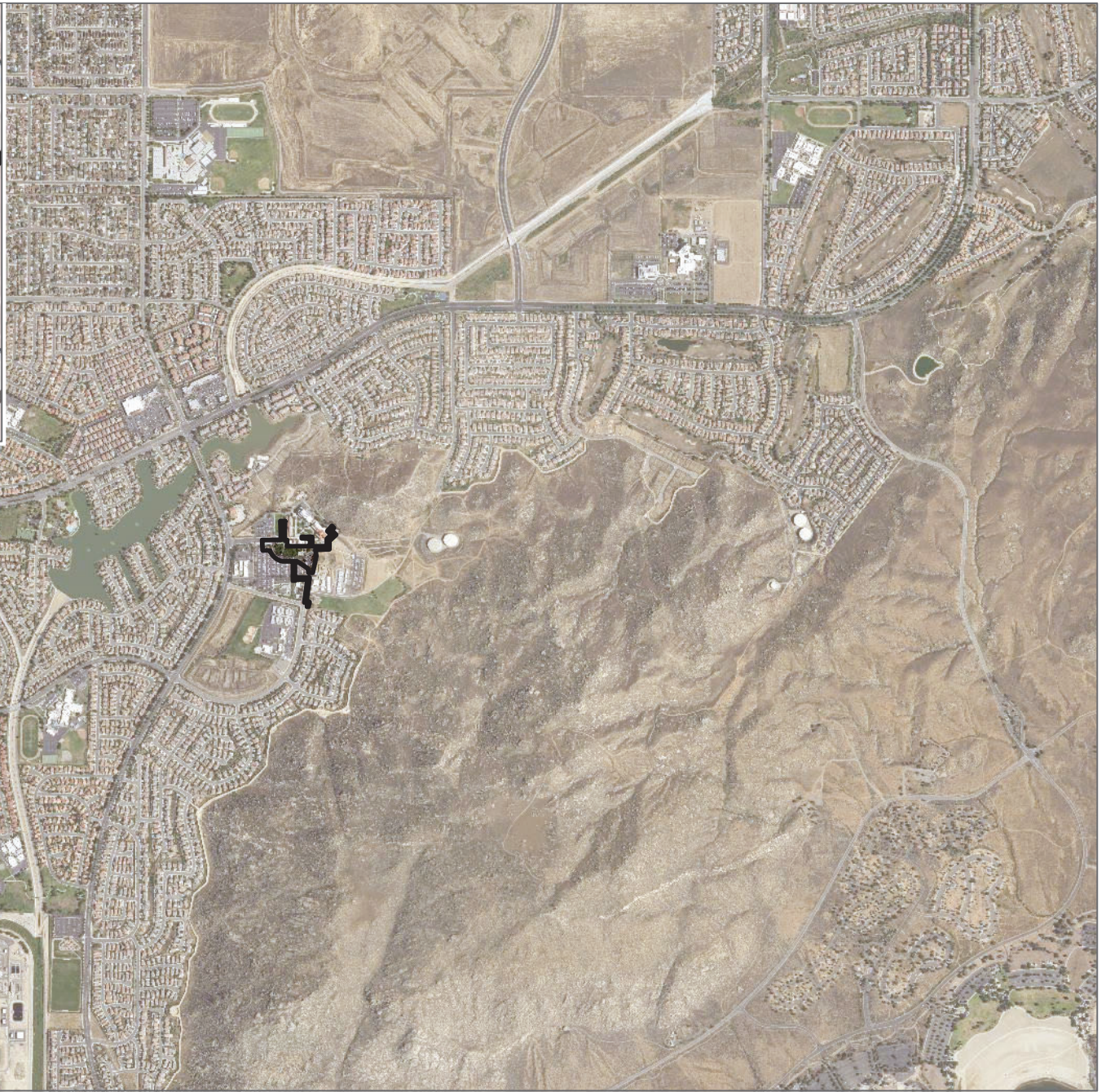
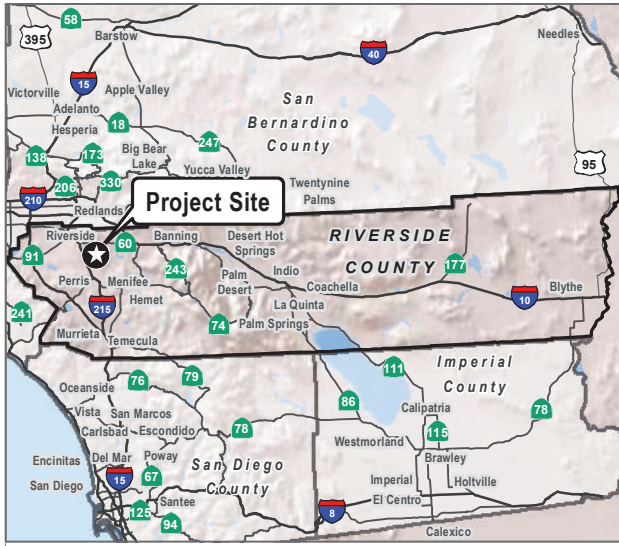
David Mueller, Senior Publications Specialist

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Initial Study and Mitigated Negative Declaration**

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 Project Boundary

SOURCE: USDA 2016

**FIGURE 1**

Regional and Vicinity Map

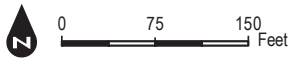
Moreno Valley College Welcome Center





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-  Project Site
-  Study Area

SOURCE: Bing Maps 2018

**DUDEK**

Moreno Valley College Welcome Center

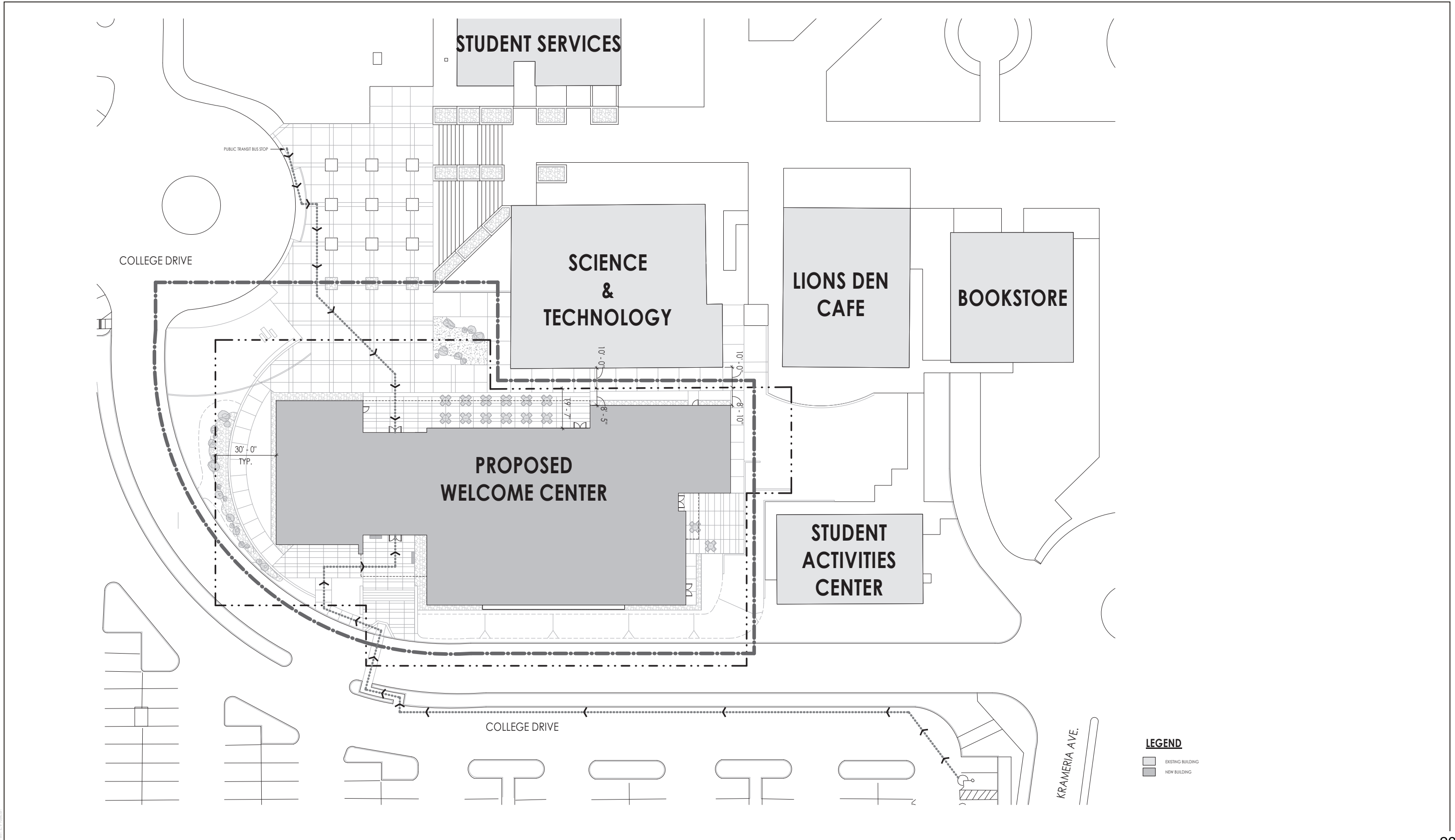
**FIGURE 289**  
Aerial

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

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SOURCE: HPI 2018

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SOURCE: HPI 2018



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VIEW 1 - WEST PERSPECTIVE



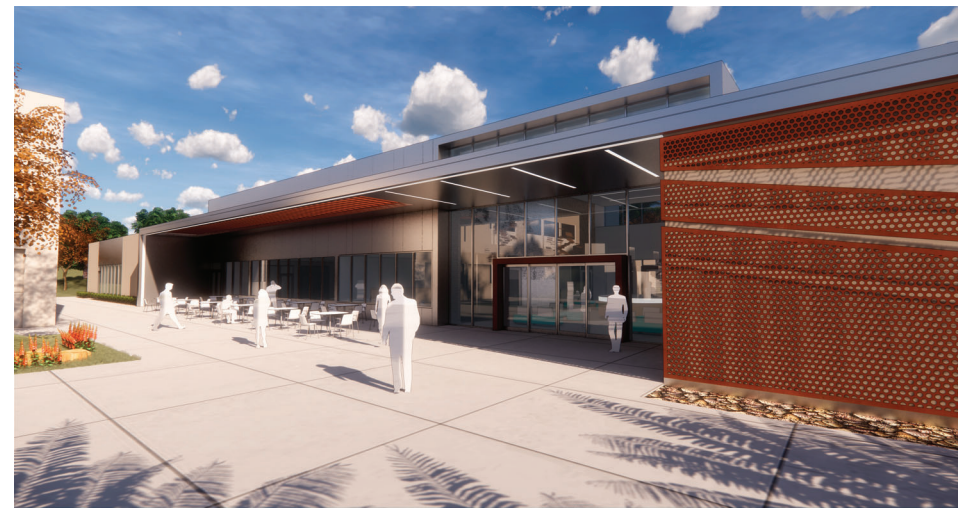
VIEW 4 - SOUTH WEST PERSPECTIVE



VIEW 2 - NORTH PERSPECTIVE



VIEW 5 - EAST ENTRANCE



VIEW 3 - NORTH ENTRANCE



VIEW 6 - VIEW FROM SOUTH

SOURCE: HPI 2018



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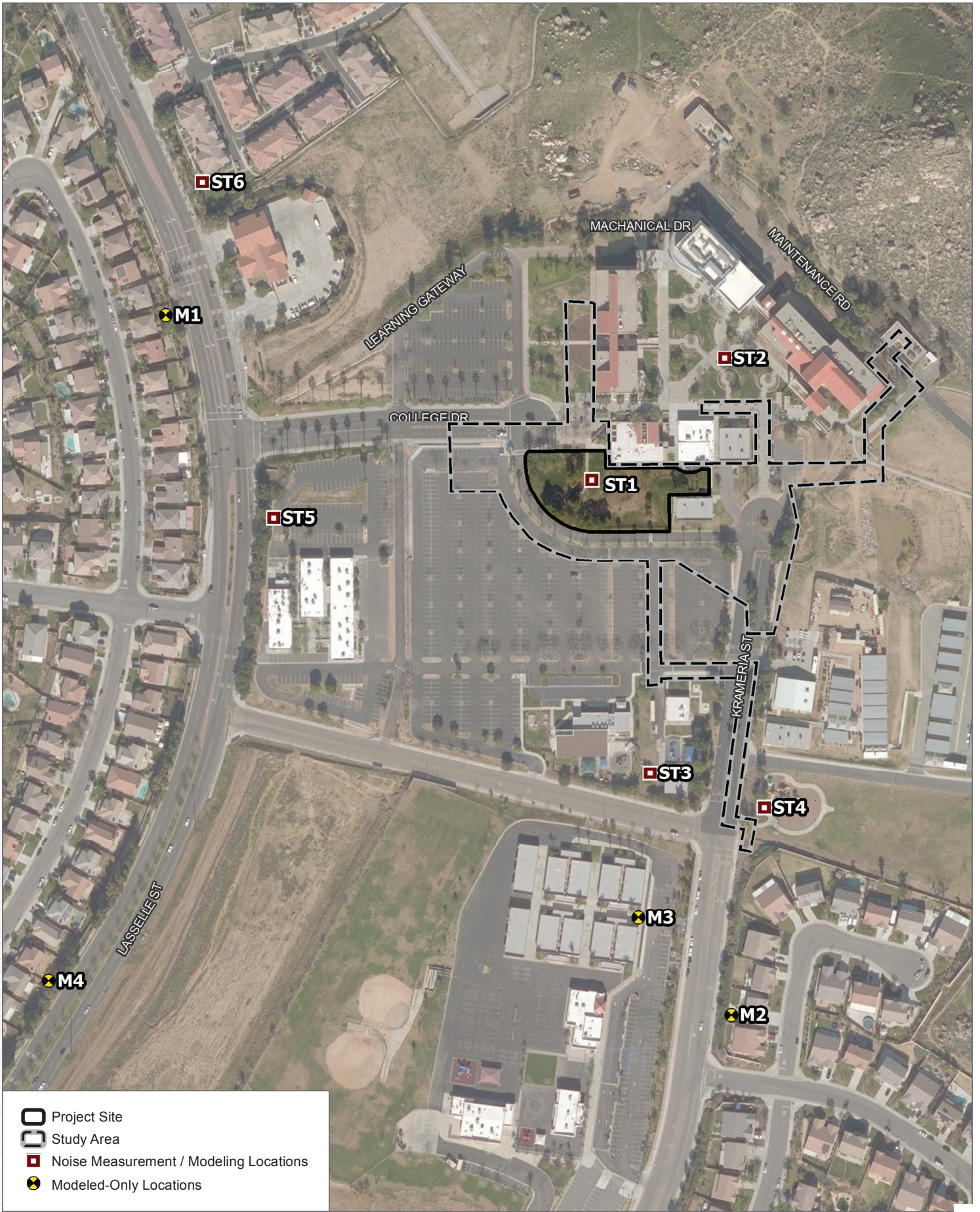


SOURCE: Bing 2018



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Noise Measurement and Modeling Locations

Moreno Valley College Welcome Center



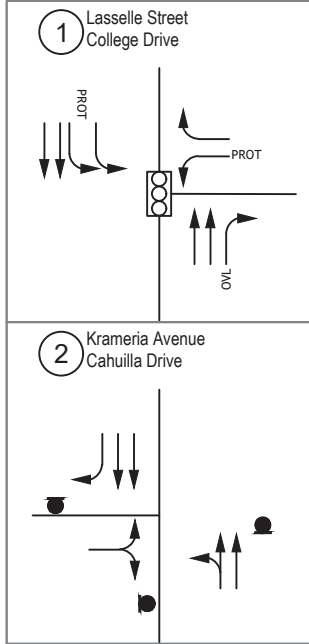
**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

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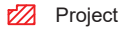
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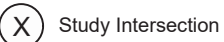
NOT TO SCALE



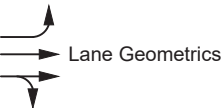
**Legend**



Project



Study Intersection



Lane Geometrics



Stop Sign

OVL

Overlapping Right Turn

PROT

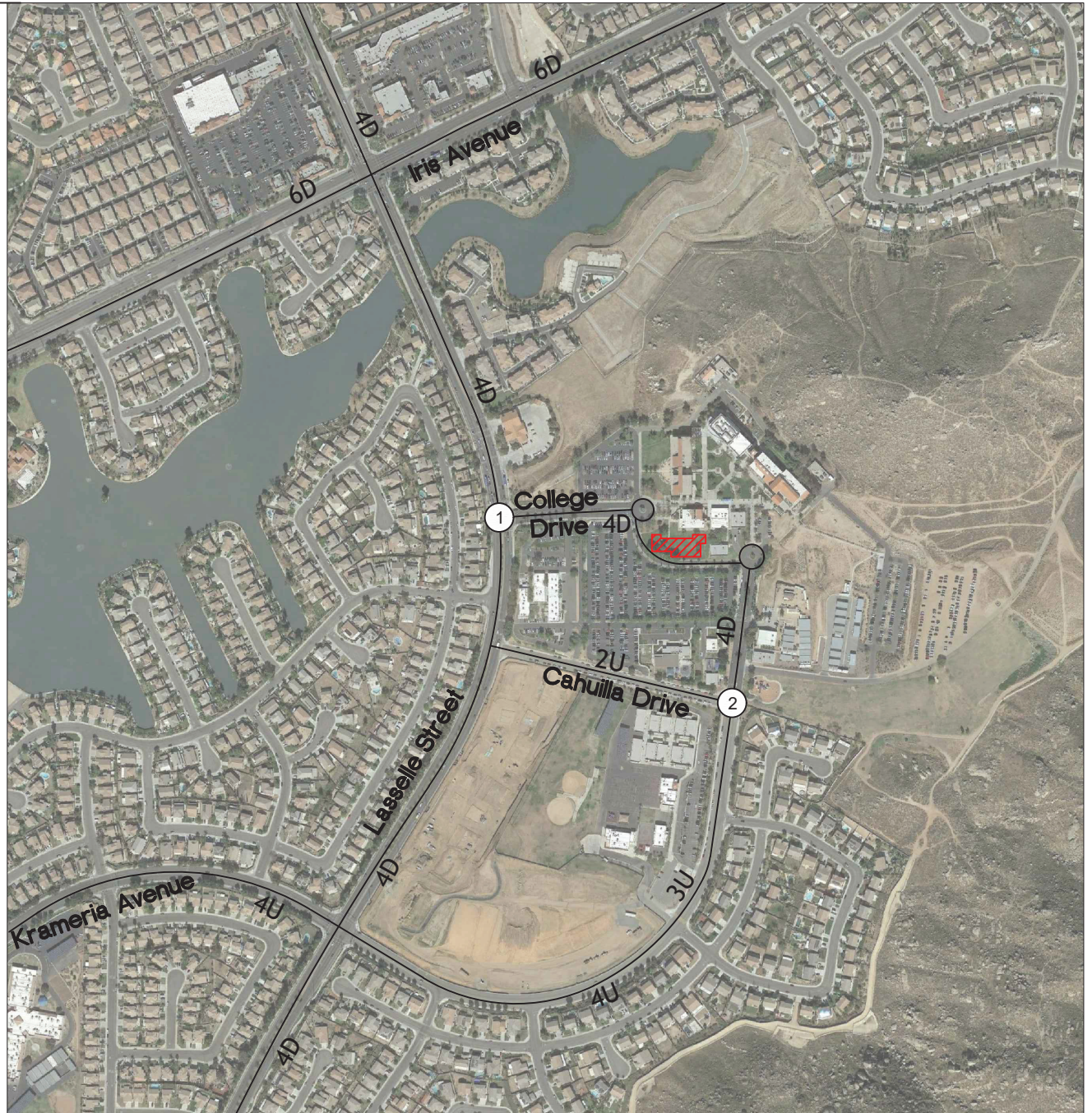
Protected Left Turn Phasing

XD

Number of lanes (divided roadway)

XU

Number of lanes (undivided roadway)



Source: Google Maps, 02/2018

**FIGURE 7**  
Existing Traffic Controls and Geometrics  
Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
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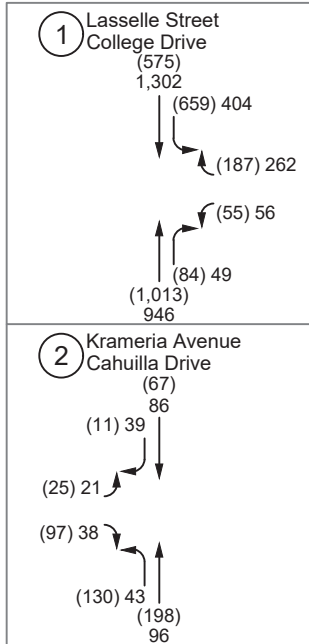
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**Legend**

- Project
- (X) Weekday AM Peak Hour Traffic Volumes
- X Weekday PM Peak Hour Traffic Volumes
- Study Intersection



Source: Google Maps, 02/2018

FIGURE 8

Existing AM and PM Peak Hour Traffic Volumes

Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

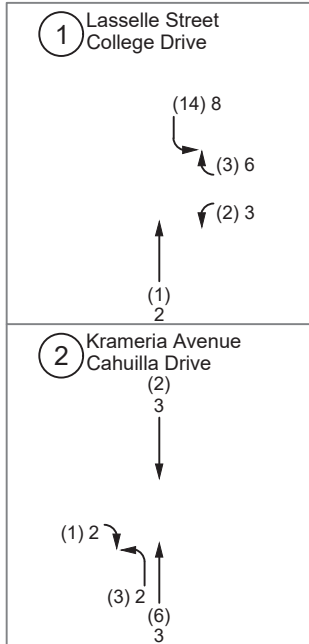
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**Legend**

-  Project
- (X) Weekday AM Peak Hour Traffic Volumes
- X Weekday PM Peak Hour Traffic Volumes
-  Study Intersection



Source: Google Maps, 02/2018

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

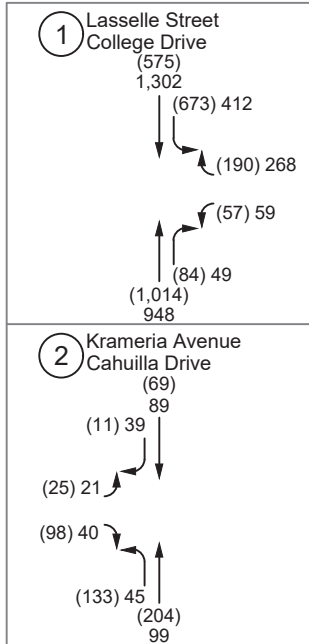
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**Legend**

- Project
- (X) Weekday AM Peak Hour Traffic Volumes
- X Weekday PM Peak Hour Traffic Volumes
- Study Intersection



Source: Google Maps, 02/2018

**FIGURE 10**  
Existing plus Project AM and PM Peak Hour Traffic Volumes

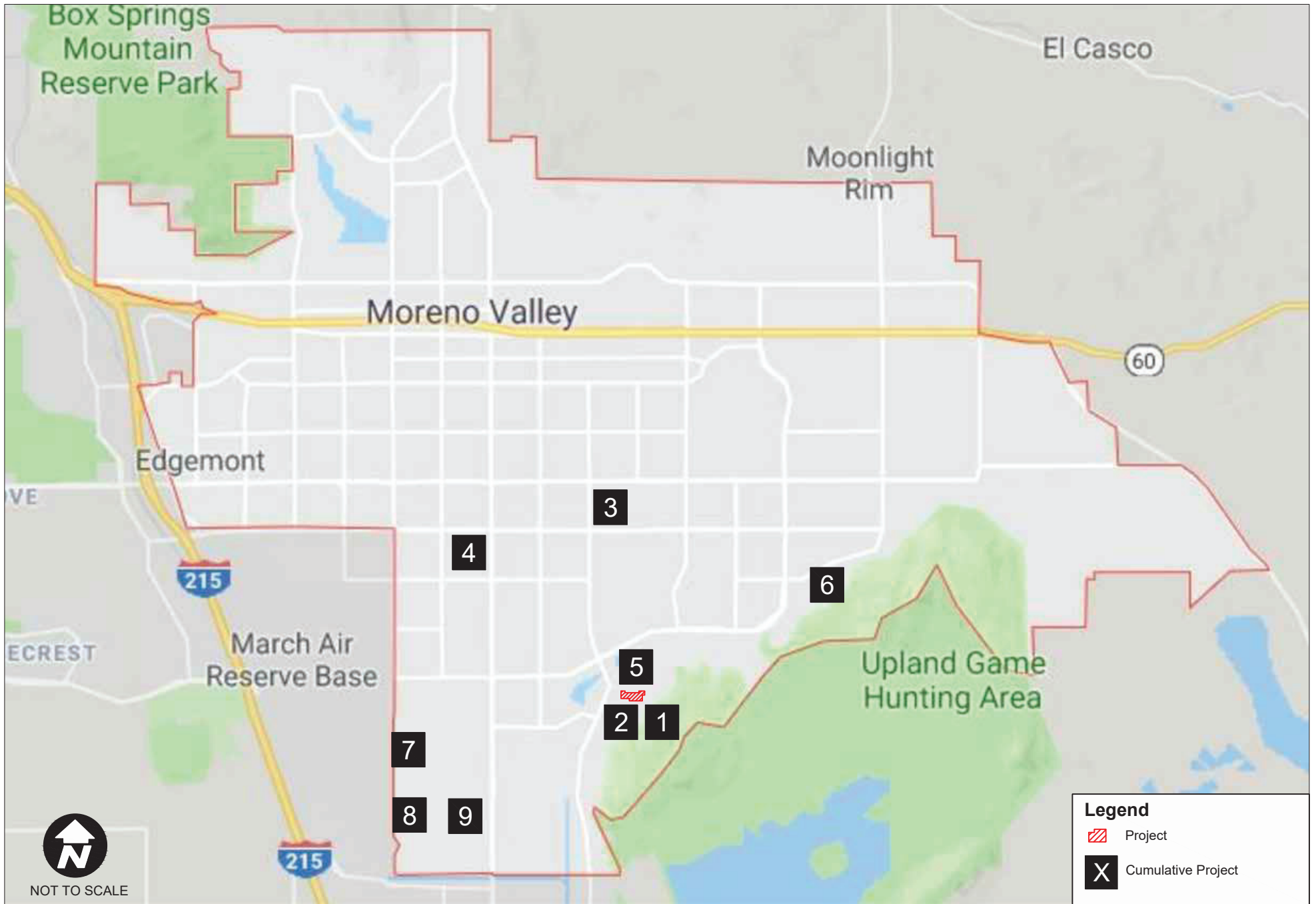
Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

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Source: Google Maps, 02/2019

**FIGURE 11**  
**Locations of Cumulative Projects**  
Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

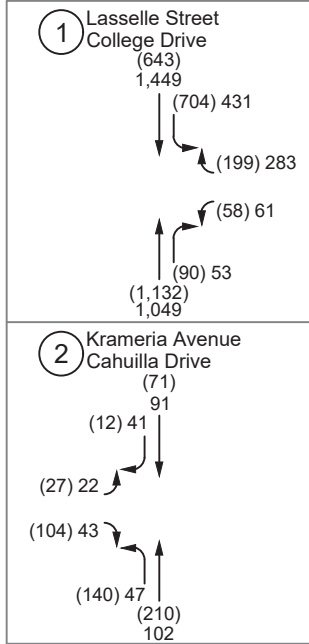
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**Legend**

- Project
- Weekday AM Peak Hour Traffic Volumes
- Weekday PM Peak Hour Traffic Volumes
- Study Intersection



Source: Google Maps, 02/2018

**FIGURE 12**  
Opening Year 2021 Baseline AM and PM Peak Hour Traffic Volumes

Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

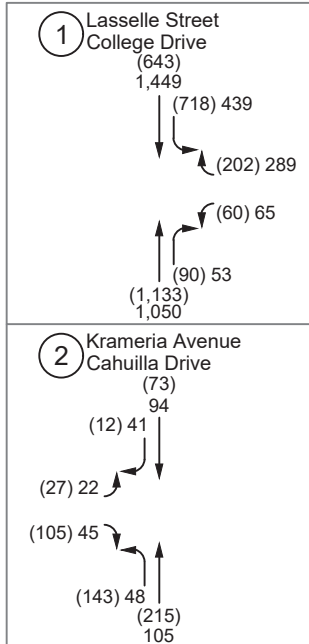
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NOT TO SCALE



**Legend**

- Project
- (X) Weekday AM Peak Hour Traffic Volumes
- X Weekday PM Peak Hour Traffic Volumes
- ⊗ Study Intersection



Source: Google Maps, 02/2018

**FIGURE 13**  
Opening Year 2021 plus Project AM and PM Peak Hour Traffic Volumes

Moreno Valley College Welcome Center

**Moreno Valley College Welcome Center Project  
Initial Study and Mitigated Negative Declaration**

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# **APPENDIX A-1**

## *Air Quality and Greenhouse Gas Calculations*

Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

**Moreno Valley College Welcome Center**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	17.30	1000sqft	0.40	17,305.00	0
Other Asphalt Surfaces	33.78	1000sqft	0.78	33,779.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on site plan.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Trips and VMT - CalEEMod defaults rounded up to nearest even number to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition.

Grading - Import/Export for utilities.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on trip generation rate for the project.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Water 3x per day in accordance with SCAQMD Rule 403.

Fleet Mix -

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	0.88	1.00
tblGrading	MaterialExported	0.00	1,455.00
tblGrading	MaterialImported	0.00	1,455.00
tblLandUse	LandUseSquareFeet	17,300.00	17,305.00
tblLandUse	LandUseSquareFeet	33,780.00	33,779.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripNumber	364.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	364.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	11.23	8.26
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.23

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**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1141	0.8844	0.6980	1.4400e-003	0.0382	0.0421	0.0803	0.0141	0.0399	0.0540	0.0000	123.8311	123.8311	0.0236	0.0000	124.4214
2021	0.1449	0.4418	0.4061	7.9000e-004	0.0118	0.0206	0.0324	3.1700e-003	0.0196	0.0228	0.0000	66.2791	66.2791	0.0131	0.0000	66.6066
<b>Maximum</b>	<b>0.1449</b>	<b>0.8844</b>	<b>0.6980</b>	<b>1.4400e-003</b>	<b>0.0382</b>	<b>0.0421</b>	<b>0.0803</b>	<b>0.0141</b>	<b>0.0399</b>	<b>0.0540</b>	<b>0.0000</b>	<b>123.8311</b>	<b>123.8311</b>	<b>0.0236</b>	<b>0.0000</b>	<b>124.4214</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1141	0.8844	0.6980	1.4400e-003	0.0286	0.0421	0.0707	9.1900e-003	0.0399	0.0491	0.0000	123.8310	123.8310	0.0236	0.0000	124.4213
2021	0.1449	0.4418	0.4061	7.9000e-004	0.0118	0.0206	0.0324	3.1700e-003	0.0196	0.0228	0.0000	66.2791	66.2791	0.0131	0.0000	66.6065
<b>Maximum</b>	<b>0.1449</b>	<b>0.8844</b>	<b>0.6980</b>	<b>1.4400e-003</b>	<b>0.0286</b>	<b>0.0421</b>	<b>0.0707</b>	<b>9.1900e-003</b>	<b>0.0399</b>	<b>0.0491</b>	<b>0.0000</b>	<b>123.8310</b>	<b>123.8310</b>	<b>0.0236</b>	<b>0.0000</b>	<b>124.4213</b>

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	19.28	0.00	8.54	28.39	0.00	6.38	0.00	0.00	0.00	0.00	0.00	0.00

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2020	9-2-2020	0.4225	0.4225
2	9-3-2020	12-2-2020	0.4312	0.4312
3	12-3-2020	3-2-2021	0.4032	0.4032
4	3-3-2021	6-2-2021	0.3225	0.3225
		Highest	0.4312	0.4312

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Energy	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	56.2198	56.2198	2.0400e-003	6.1000e-004	56.4511
Mobile	0.0820	0.4537	1.0728	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5553	356.5553	0.0178	0.0000	357.0010
Waste						0.0000	0.0000		0.0000	0.0000	4.5653	0.0000	4.5653	0.2698	0.0000	11.3103
Water						0.0000	0.0000		0.0000	0.0000	0.2692	8.2186	8.4878	0.0280	7.2000e-004	9.4030
<b>Total</b>	<b>0.1565</b>	<b>0.4654</b>	<b>1.0833</b>	<b>3.9300e-003</b>	<b>0.3129</b>	<b>4.0300e-003</b>	<b>0.3169</b>	<b>0.0838</b>	<b>3.8300e-003</b>	<b>0.0877</b>	<b>4.8345</b>	<b>420.9949</b>	<b>425.8294</b>	<b>0.3177</b>	<b>1.3300e-003</b>	<b>434.1667</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Energy	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	56.2198	56.2198	2.0400e-003	6.1000e-004	56.4511
Mobile	0.0820	0.4537	1.0728	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5553	356.5553	0.0178	0.0000	357.0010
Waste						0.0000	0.0000		0.0000	0.0000	4.5653	0.0000	4.5653	0.2698	0.0000	11.3103
Water						0.0000	0.0000		0.0000	0.0000	0.2692	8.2186	8.4878	0.0280	7.2000e-004	9.4030
<b>Total</b>	<b>0.1565</b>	<b>0.4654</b>	<b>1.0833</b>	<b>3.9300e-003</b>	<b>0.3129</b>	<b>4.0300e-003</b>	<b>0.3169</b>	<b>0.0838</b>	<b>3.8300e-003</b>	<b>0.0877</b>	<b>4.8345</b>	<b>420.9949</b>	<b>425.8294</b>	<b>0.3177</b>	<b>1.3300e-003</b>	<b>434.1667</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2020	6/4/2020	5	2	
2	Grading	Grading	6/5/2020	6/10/2020	5	4	
3	Trenching	Trenching	6/11/2020	7/8/2020	5	20	
4	Building Construction	Building Construction	7/9/2020	4/14/2021	5	200	
5	Paving	Paving	4/15/2021	4/28/2021	5	10	
6	Architectural Coating	Architectural Coating	4/29/2021	5/12/2021	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0.78**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 25,958; Non-Residential Outdoor: 8,653; Striped Parking Area: 2,027 (Architectural Coating – sqft)**

**OffRoad Equipment**



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	7.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Trenchers	1	7.00	78	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	7.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	7.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	7.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	364.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	22.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0173	7.2000e-003	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.4057	1.4057	4.5000e-004	0.0000	1.4170
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0173</b>	<b>7.2000e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>7.8000e-004</b>	<b>6.5800e-003</b>	<b>2.9500e-003</b>	<b>7.2000e-004</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>1.4057</b>	<b>1.4057</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4170</b>

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**3.2 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0790</b>	<b>0.0790</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0791</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2600e-003	0.0000	2.2600e-003	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0173	7.2000e-003	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.4057	1.4057	4.5000e-004	0.0000	1.4170
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0173</b>	<b>7.2000e-003</b>	<b>2.0000e-005</b>	<b>2.2600e-003</b>	<b>7.8000e-004</b>	<b>3.0400e-003</b>	<b>1.1500e-003</b>	<b>7.2000e-004</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>1.4057</b>	<b>1.4057</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4170</b>

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**3.2 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.0000e-005	3.0000e-005	3.0000e-004	0.0000	9.0000e-005	0.0000	9.0000e-005	2.0000e-005	0.0000	2.0000e-005	0.0000	0.0790	0.0790	0.0000	0.0000	0.0791
<b>Total</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>9.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.0790</b>	<b>0.0790</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0791</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9900e-003	0.0000	9.9900e-003	5.0800e-003	0.0000	5.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0302</b>	<b>0.0129</b>	<b>3.0000e-005</b>	<b>9.9900e-003</b>	<b>1.3700e-003</b>	<b>0.0114</b>	<b>5.0800e-003</b>	<b>1.2600e-003</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>2.4779</b>	<b>2.4779</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.4980</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1580	0.1580	0.0000	0.0000	0.1581
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1580</b>	<b>0.1580</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1581</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-003	0.0000	3.9000e-003	1.9800e-003	0.0000	1.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0302</b>	<b>0.0129</b>	<b>3.0000e-005</b>	<b>3.9000e-003</b>	<b>1.3700e-003</b>	<b>5.2700e-003</b>	<b>1.9800e-003</b>	<b>1.2600e-003</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>2.4779</b>	<b>2.4779</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.4980</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	7.0000e-005	5.0000e-005	6.1000e-004	0.0000	1.8000e-004	0.0000	1.8000e-004	5.0000e-005	0.0000	5.0000e-005	0.0000	0.1580	0.1580	0.0000	0.0000	0.1581
<b>Total</b>	<b>7.0000e-005</b>	<b>5.0000e-005</b>	<b>6.1000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>5.0000e-005</b>	<b>0.0000</b>	<b>0.1580</b>	<b>0.1580</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.1581</b>

**3.4 Trenching - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0516	0.0430	6.0000e-005		3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003	0.0000	4.9817	4.9817	1.6100e-003	0.0000	5.0219
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0516</b>	<b>0.0430</b>	<b>6.0000e-005</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>4.9817</b>	<b>4.9817</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>5.0219</b>

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**3.4 Trenching - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0511	0.0102	1.4000e-004	3.1300e-003	1.6000e-004	3.2900e-003	8.6000e-004	1.5000e-004	1.0100e-003	0.0000	13.7345	13.7345	9.5000e-004	0.0000	13.7581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930
<b>Total</b>	<b>1.6700e-003</b>	<b>0.0513</b>	<b>0.0125</b>	<b>1.5000e-004</b>	<b>3.7900e-003</b>	<b>1.7000e-004</b>	<b>3.9500e-003</b>	<b>1.0300e-003</b>	<b>1.5000e-004</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>14.3271</b>	<b>14.3271</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>14.3511</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0516	0.0430	6.0000e-005		3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003	0.0000	4.9816	4.9816	1.6100e-003	0.0000	5.0219
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0516</b>	<b>0.0430</b>	<b>6.0000e-005</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>4.9816</b>	<b>4.9816</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>5.0219</b>

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**3.4 Trenching - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	1.4000e-003	0.0511	0.0102	1.4000e-004	3.1300e-003	1.6000e-004	3.2900e-003	8.6000e-004	1.5000e-004	1.0100e-003	0.0000	13.7345	13.7345	9.5000e-004	0.0000	13.7581
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.7000e-004	2.1000e-004	2.2700e-003	1.0000e-005	6.6000e-004	1.0000e-005	6.6000e-004	1.7000e-004	0.0000	1.8000e-004	0.0000	0.5926	0.5926	2.0000e-005	0.0000	0.5930
<b>Total</b>	<b>1.6700e-003</b>	<b>0.0513</b>	<b>0.0125</b>	<b>1.5000e-004</b>	<b>3.7900e-003</b>	<b>1.7000e-004</b>	<b>3.9500e-003</b>	<b>1.0300e-003</b>	<b>1.5000e-004</b>	<b>1.1900e-003</b>	<b>0.0000</b>	<b>14.3271</b>	<b>14.3271</b>	<b>9.7000e-004</b>	<b>0.0000</b>	<b>14.3511</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0947	0.6754	0.5557	9.1000e-004		0.0357	0.0357		0.0340	0.0340	0.0000	74.3168	74.3168	0.0186	0.0000	74.7810
<b>Total</b>	<b>0.0947</b>	<b>0.6754</b>	<b>0.5557</b>	<b>9.1000e-004</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>74.3168</b>	<b>74.3168</b>	<b>0.0186</b>	<b>0.0000</b>	<b>74.7810</b>



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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6900e-003	0.0538	0.0133	1.3000e-004	3.1800e-003	2.6000e-004	3.4400e-003	9.2000e-004	2.5000e-004	1.1700e-003	0.0000	12.3960	12.3960	8.1000e-004	0.0000	12.4163
Worker	6.1900e-003	4.7400e-003	0.0525	1.5000e-004	0.0152	1.2000e-004	0.0153	4.0400e-003	1.1000e-004	4.1500e-003	0.0000	13.6891	13.6891	3.9000e-004	0.0000	13.6989
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0585</b>	<b>0.0658</b>	<b>2.8000e-004</b>	<b>0.0184</b>	<b>3.8000e-004</b>	<b>0.0188</b>	<b>4.9600e-003</b>	<b>3.6000e-004</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>26.0850</b>	<b>26.0850</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.1152</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0947	0.6754	0.5557	9.1000e-004		0.0357	0.0357		0.0340	0.0340	0.0000	74.3167	74.3167	0.0186	0.0000	74.7809
<b>Total</b>	<b>0.0947</b>	<b>0.6754</b>	<b>0.5557</b>	<b>9.1000e-004</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>74.3167</b>	<b>74.3167</b>	<b>0.0186</b>	<b>0.0000</b>	<b>74.7809</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	1.6900e-003	0.0538	0.0133	1.3000e-004	3.1800e-003	2.6000e-004	3.4400e-003	9.2000e-004	2.5000e-004	1.1700e-003	0.0000	12.3960	12.3960	8.1000e-004	0.0000	12.4163
Worker	6.1900e-003	4.7400e-003	0.0525	1.5000e-004	0.0152	1.2000e-004	0.0153	4.0400e-003	1.1000e-004	4.1500e-003	0.0000	13.6891	13.6891	3.9000e-004	0.0000	13.6989
<b>Total</b>	<b>7.8800e-003</b>	<b>0.0585</b>	<b>0.0658</b>	<b>2.8000e-004</b>	<b>0.0184</b>	<b>3.8000e-004</b>	<b>0.0188</b>	<b>4.9600e-003</b>	<b>3.6000e-004</b>	<b>5.3200e-003</b>	<b>0.0000</b>	<b>26.0850</b>	<b>26.0850</b>	<b>1.2000e-003</b>	<b>0.0000</b>	<b>26.1152</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.3665	0.3171	5.4000e-004		0.0181	0.0181		0.0172	0.0172	0.0000	43.6484	43.6484	0.0106	0.0000	43.9130
<b>Total</b>	<b>0.0496</b>	<b>0.3665</b>	<b>0.3171</b>	<b>5.4000e-004</b>		<b>0.0181</b>	<b>0.0181</b>		<b>0.0172</b>	<b>0.0172</b>	<b>0.0000</b>	<b>43.6484</b>	<b>43.6484</b>	<b>0.0106</b>	<b>0.0000</b>	<b>43.9130</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0286	7.1000e-003	7.0000e-005	1.8700e-003	6.0000e-005	1.9200e-003	5.4000e-004	6.0000e-005	5.9000e-004	0.0000	7.2267	7.2267	4.6000e-004	0.0000	7.2382
Worker	3.3900e-003	2.5100e-003	0.0284	9.0000e-005	8.9300e-003	7.0000e-005	9.0000e-003	2.3700e-003	6.0000e-005	2.4300e-003	0.0000	7.7791	7.7791	2.1000e-004	0.0000	7.7843
<b>Total</b>	<b>4.2300e-003</b>	<b>0.0312</b>	<b>0.0355</b>	<b>1.6000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.9100e-003</b>	<b>1.2000e-004</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>15.0058</b>	<b>15.0058</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>15.0225</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.3665	0.3171	5.4000e-004		0.0181	0.0181		0.0172	0.0172	0.0000	43.6483	43.6483	0.0106	0.0000	43.9130
<b>Total</b>	<b>0.0496</b>	<b>0.3665</b>	<b>0.3171</b>	<b>5.4000e-004</b>		<b>0.0181</b>	<b>0.0181</b>		<b>0.0172</b>	<b>0.0172</b>	<b>0.0000</b>	<b>43.6483</b>	<b>43.6483</b>	<b>0.0106</b>	<b>0.0000</b>	<b>43.9130</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	8.4000e-004	0.0286	7.1000e-003	7.0000e-005	1.8700e-003	6.0000e-005	1.9200e-003	5.4000e-004	6.0000e-005	5.9000e-004	0.0000	7.2267	7.2267	4.6000e-004	0.0000	7.2382
Worker	3.3900e-003	2.5100e-003	0.0284	9.0000e-005	8.9300e-003	7.0000e-005	9.0000e-003	2.3700e-003	6.0000e-005	2.4300e-003	0.0000	7.7791	7.7791	2.1000e-004	0.0000	7.7843
<b>Total</b>	<b>4.2300e-003</b>	<b>0.0312</b>	<b>0.0355</b>	<b>1.6000e-004</b>	<b>0.0108</b>	<b>1.3000e-004</b>	<b>0.0109</b>	<b>2.9100e-003</b>	<b>1.2000e-004</b>	<b>3.0200e-003</b>	<b>0.0000</b>	<b>15.0058</b>	<b>15.0058</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>15.0225</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6300e-003	0.0363	0.0413	6.0000e-005		1.9500e-003	1.9500e-003		1.8000e-003	1.8000e-003	0.0000	5.4882	5.4882	1.7400e-003	0.0000	5.5317
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.6500e-003</b>	<b>0.0363</b>	<b>0.0413</b>	<b>6.0000e-005</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.4882</b>	<b>5.4882</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.5317</b>

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**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.2000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6690	0.6690	2.0000e-005	0.0000	0.6694
<b>Total</b>	<b>2.9000e-004</b>	<b>2.2000e-004</b>	<b>2.4400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>2.0000e-004</b>	<b>1.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6690</b>	<b>0.6690</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6694</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6300e-003	0.0363	0.0413	6.0000e-005		1.9500e-003	1.9500e-003		1.8000e-003	1.8000e-003	0.0000	5.4882	5.4882	1.7400e-003	0.0000	5.5317
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.6500e-003</b>	<b>0.0363</b>	<b>0.0413</b>	<b>6.0000e-005</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.4882</b>	<b>5.4882</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.5317</b>

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**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.9000e-004	2.2000e-004	2.4400e-003	1.0000e-005	7.7000e-004	1.0000e-005	7.7000e-004	2.0000e-004	1.0000e-005	2.1000e-004	0.0000	0.6690	0.6690	2.0000e-005	0.0000	0.6694
<b>Total</b>	<b>2.9000e-004</b>	<b>2.2000e-004</b>	<b>2.4400e-003</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>1.0000e-005</b>	<b>7.7000e-004</b>	<b>2.0000e-004</b>	<b>1.0000e-005</b>	<b>2.1000e-004</b>	<b>0.0000</b>	<b>0.6690</b>	<b>0.6690</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.6694</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.0860</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	7.0000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1913
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1911</b>	<b>0.1911</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1913</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.0860</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	8.0000e-005	6.0000e-005	7.0000e-004	0.0000	2.2000e-004	0.0000	2.2000e-004	6.0000e-005	0.0000	6.0000e-005	0.0000	0.1911	0.1911	1.0000e-005	0.0000	0.1913
<b>Total</b>	<b>8.0000e-005</b>	<b>6.0000e-005</b>	<b>7.0000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>0.0000</b>	<b>2.2000e-004</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>0.1911</b>	<b>0.1911</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>0.1913</b>

**4.0 Operational Detail - Mobile**

**4.1 Mitigation Measures Mobile**



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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0820	0.4537	1.0728	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5553	356.5553	0.0178	0.0000	357.0010
Unmitigated	0.0820	0.4537	1.0728	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5553	356.5553	0.0178	0.0000	357.0010

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	350.00	142.98	15.41	823,429	823,429
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	350.00	142.98	15.41	823,429	823,429

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4483	43.4483	1.7900e-003	3.7000e-004	43.6037
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4483	43.4483	1.7900e-003	3.7000e-004	43.6037
NaturalGas Mitigated	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
NaturalGas Unmitigated	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	239328	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0117</b>	<b>9.8500e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.7715</b>	<b>12.7715</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.8474</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	239328	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0117</b>	<b>9.8500e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.7715</b>	<b>12.7715</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.8474</b>

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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	136363	43.4483	1.7900e-003	3.7000e-004	43.6037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>43.4483</b>	<b>1.7900e-003</b>	<b>3.7000e-004</b>	<b>43.6037</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	136363	43.4483	1.7900e-003	3.7000e-004	43.6037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>43.4483</b>	<b>1.7900e-003</b>	<b>3.7000e-004</b>	<b>43.6037</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Unmitigated	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
<b>Total</b>	<b>0.0733</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2700e-003</b>	<b>1.2700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3500e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
<b>Total</b>	<b>0.0733</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2700e-003</b>	<b>1.2700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3500e-003</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.4878	0.0280	7.2000e-004	9.4030
Unmitigated	8.4878	0.0280	7.2000e-004	9.4030

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.848548 / 1.32722	8.4878	0.0280	7.2000e-004	9.4030
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.4878</b>	<b>0.0280</b>	<b>7.2000e-004</b>	<b>9.4030</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.848548 / 1.32722	8.4878	0.0280	7.2000e-004	9.4030
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.4878</b>	<b>0.0280</b>	<b>7.2000e-004</b>	<b>9.4030</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.5653	0.2698	0.0000	11.3103
Unmitigated	4.5653	0.2698	0.0000	11.3103



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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	22.49	4.5653	0.2698	0.0000	11.3103
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.5653</b>	<b>0.2698</b>	<b>0.0000</b>	<b>11.3103</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	22.49	4.5653	0.2698	0.0000	11.3103
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.5653</b>	<b>0.2698</b>	<b>0.0000</b>	<b>11.3103</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**Moreno Valley College Welcome Center**  
**South Coast AQMD Air District, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	17.30	1000sqft	0.40	17,305.00	0
Other Asphalt Surfaces	33.78	1000sqft	0.78	33,779.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on site plan.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

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Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Trips and VMT - CalEEMod defaults rounded up to nearest even number to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition.

Grading - Import/Export for utilities.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on trip generation rate for the project.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Water 3x per day in accordance with SCAQMD Rule 403.

Fleet Mix -

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	0.88	1.00
tblGrading	MaterialExported	0.00	1,455.00
tblGrading	MaterialImported	0.00	1,455.00
tblLandUse	LandUseSquareFeet	17,300.00	17,305.00
tblLandUse	LandUseSquareFeet	33,780.00	33,779.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripNumber	364.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	364.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	11.23	8.26
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.23

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.6290	17.3169	9.9192	0.0205	5.8890	0.7797	6.6687	2.9774	0.7173	3.6948	0.0000	2,143.5572	2,143.5572	0.5038	0.0000	2,150.6062
2021	17.2175	10.7273	9.5800	0.0190	0.2971	0.4922	0.7893	0.0800	0.4684	0.5484	0.0000	1,761.9608	1,761.9608	0.3872	0.0000	1,770.3378
<b>Maximum</b>	<b>17.2175</b>	<b>17.3169</b>	<b>9.9192</b>	<b>0.0205</b>	<b>5.8890</b>	<b>0.7797</b>	<b>6.6687</b>	<b>2.9774</b>	<b>0.7173</b>	<b>3.6948</b>	<b>0.0000</b>	<b>2,143.5572</b>	<b>2,143.5572</b>	<b>0.5038</b>	<b>0.0000</b>	<b>2,150.6062</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.6290	17.3169	9.9192	0.0205	2.3513	0.7797	3.1310	1.1757	0.7173	1.8930	0.0000	2,143.5572	2,143.5572	0.5038	0.0000	2,150.6062
2021	17.2175	10.7273	9.5800	0.0190	0.2971	0.4922	0.7893	0.0800	0.4684	0.5484	0.0000	1,761.9608	1,761.9608	0.3872	0.0000	1,770.3378
<b>Maximum</b>	<b>17.2175</b>	<b>17.3169</b>	<b>9.9192</b>	<b>0.0205</b>	<b>2.3513</b>	<b>0.7797</b>	<b>3.1310</b>	<b>1.1757</b>	<b>0.7173</b>	<b>1.8930</b>	<b>0.0000</b>	<b>2,143.5572</b>	<b>2,143.5572</b>	<b>0.5038</b>	<b>0.0000</b>	<b>2,150.6062</b>

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.19	0.00	47.44	58.93	0.00	42.46	0.00	0.00	0.00	0.00	0.00	0.00

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**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Energy	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Mobile	0.6222	3.0850	7.9322	0.0284	2.2478	0.0222	2.2699	0.6014	0.0207	0.6221		2,885.6420	2,885.6420	0.1395		2,889.1297
<b>Total</b>	<b>1.0309</b>	<b>3.1493</b>	<b>7.9914</b>	<b>0.0288</b>	<b>2.2478</b>	<b>0.0271</b>	<b>2.2748</b>	<b>0.6014</b>	<b>0.0256</b>	<b>0.6270</b>		<b>2,962.7936</b>	<b>2,962.7936</b>	<b>0.1410</b>	<b>1.4100e-003</b>	<b>2,966.7405</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Energy	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Mobile	0.6222	3.0850	7.9322	0.0284	2.2478	0.0222	2.2699	0.6014	0.0207	0.6221		2,885.6420	2,885.6420	0.1395		2,889.1297
<b>Total</b>	<b>1.0309</b>	<b>3.1493</b>	<b>7.9914</b>	<b>0.0288</b>	<b>2.2478</b>	<b>0.0271</b>	<b>2.2748</b>	<b>0.6014</b>	<b>0.0256</b>	<b>0.6270</b>		<b>2,962.7936</b>	<b>2,962.7936</b>	<b>0.1410</b>	<b>1.4100e-003</b>	<b>2,966.7405</b>



Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2020	6/4/2020	5	2	
2	Grading	Grading	6/5/2020	6/10/2020	5	4	
3	Trenching	Trenching	6/11/2020	7/8/2020	5	20	
4	Building Construction	Building Construction	7/9/2020	4/14/2021	5	200	
5	Paving	Paving	4/15/2021	4/28/2021	5	10	
6	Architectural Coating	Architectural Coating	4/29/2021	5/12/2021	5	10	

Acres of Grading (Site Preparation Phase): 1

Acres of Grading (Grading Phase): 1.5

Acres of Paving: 0.78

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 25,958; Non-Residential Outdoor: 8,653; Striped Parking Area: 2,027 (Architectural Coating – sqft)

#### OffRoad Equipment

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	7.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Trenchers	1	7.00	78	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	7.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	7.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	7.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	364.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	22.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5442	17.2926	7.1975	0.0160		0.7790	0.7790		0.7167	0.7167		1,549.4760	1,549.4760	0.5011		1,562.0043
<b>Total</b>	<b>1.5442</b>	<b>17.2926</b>	<b>7.1975</b>	<b>0.0160</b>	<b>5.7996</b>	<b>0.7790</b>	<b>6.5786</b>	<b>2.9537</b>	<b>0.7167</b>	<b>3.6704</b>		<b>1,549.4760</b>	<b>1,549.4760</b>	<b>0.5011</b>		<b>1,562.0043</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.2 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0362	0.0243	0.3271	9.2000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		91.5534	91.5534	2.6300e-003		91.6192
<b>Total</b>	<b>0.0362</b>	<b>0.0243</b>	<b>0.3271</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>91.5534</b>	<b>91.5534</b>	<b>2.6300e-003</b>		<b>91.6192</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.5442	17.2926	7.1975	0.0160		0.7790	0.7790		0.7167	0.7167	0.0000	1,549.4760	1,549.4760	0.5011		1,562.0043
<b>Total</b>	<b>1.5442</b>	<b>17.2926</b>	<b>7.1975</b>	<b>0.0160</b>	<b>2.2618</b>	<b>0.7790</b>	<b>3.0409</b>	<b>1.1519</b>	<b>0.7167</b>	<b>1.8687</b>	<b>0.0000</b>	<b>1,549.4760</b>	<b>1,549.4760</b>	<b>0.5011</b>		<b>1,562.0043</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.2 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0362	0.0243	0.3271	9.2000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		91.5534	91.5534	2.6300e-003		91.6192
<b>Total</b>	<b>0.0362</b>	<b>0.0243</b>	<b>0.3271</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>91.5534</b>	<b>91.5534</b>	<b>2.6300e-003</b>		<b>91.6192</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9965	0.0000	4.9965	2.5381	0.0000	2.5381			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
<b>Total</b>	<b>1.3498</b>	<b>15.0854</b>	<b>6.4543</b>	<b>0.0141</b>	<b>4.9965</b>	<b>0.6844</b>	<b>5.6809</b>	<b>2.5381</b>	<b>0.6296</b>	<b>3.1677</b>		<b>1,365.7183</b>	<b>1,365.7183</b>	<b>0.4417</b>		<b>1,376.7609</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0362	0.0243	0.3271	9.2000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		91.5534	91.5534	2.6300e-003		91.6192
<b>Total</b>	<b>0.0362</b>	<b>0.0243</b>	<b>0.3271</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>91.5534</b>	<b>91.5534</b>	<b>2.6300e-003</b>		<b>91.6192</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9486	0.0000	1.9486	0.9899	0.0000	0.9899			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
<b>Total</b>	<b>1.3498</b>	<b>15.0854</b>	<b>6.4543</b>	<b>0.0141</b>	<b>1.9486</b>	<b>0.6844</b>	<b>2.6330</b>	<b>0.9899</b>	<b>0.6296</b>	<b>1.6195</b>	<b>0.0000</b>	<b>1,365.7183</b>	<b>1,365.7183</b>	<b>0.4417</b>		<b>1,376.7609</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0362	0.0243	0.3271	9.2000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		91.5534	91.5534	2.6300e-003		91.6192
<b>Total</b>	<b>0.0362</b>	<b>0.0243</b>	<b>0.3271</b>	<b>9.2000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>91.5534</b>	<b>91.5534</b>	<b>2.6300e-003</b>		<b>91.6192</b>

**3.4 Trenching - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5506	5.1640	4.3015	5.6700e-003		0.3652	0.3652		0.3360	0.3360		549.1330	549.1330	0.1776		553.5730
<b>Total</b>	<b>0.5506</b>	<b>5.1640</b>	<b>4.3015</b>	<b>5.6700e-003</b>		<b>0.3652</b>	<b>0.3652</b>		<b>0.3360</b>	<b>0.3360</b>		<b>549.1330</b>	<b>549.1330</b>	<b>0.1776</b>		<b>553.5730</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.4 Trenching - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1382	4.9530	0.9855	0.0141	0.3180	0.0160	0.3340	0.0872	0.0153	0.1024		1,525.759 2	1,525.759 2	0.1024		1,528.318 8
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0183	0.2453	6.9000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		68.6651	68.6651	1.9700e-003		68.7144
<b>Total</b>	<b>0.1654</b>	<b>4.9712</b>	<b>1.2308</b>	<b>0.0148</b>	<b>0.3851</b>	<b>0.0165</b>	<b>0.4016</b>	<b>0.1050</b>	<b>0.0158</b>	<b>0.1207</b>		<b>1,594.424 2</b>	<b>1,594.424 2</b>	<b>0.1044</b>		<b>1,597.033 2</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5506	5.1640	4.3015	5.6700e-003		0.3652	0.3652		0.3360	0.3360	0.0000	549.1330	549.1330	0.1776		553.5730
<b>Total</b>	<b>0.5506</b>	<b>5.1640</b>	<b>4.3015</b>	<b>5.6700e-003</b>		<b>0.3652</b>	<b>0.3652</b>		<b>0.3360</b>	<b>0.3360</b>	<b>0.0000</b>	<b>549.1330</b>	<b>549.1330</b>	<b>0.1776</b>		<b>553.5730</b>



Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.4 Trenching - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1382	4.9530	0.9855	0.0141	0.3180	0.0160	0.3340	0.0872	0.0153	0.1024		1,525.759 2	1,525.759 2	0.1024		1,528.318 8
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0272	0.0183	0.2453	6.9000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		68.6651	68.6651	1.9700e-003		68.7144
<b>Total</b>	<b>0.1654</b>	<b>4.9712</b>	<b>1.2308</b>	<b>0.0148</b>	<b>0.3851</b>	<b>0.0165</b>	<b>0.4016</b>	<b>0.1050</b>	<b>0.0158</b>	<b>0.1207</b>		<b>1,594.424 2</b>	<b>1,594.424 2</b>	<b>0.1044</b>		<b>1,597.033 2</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5032	10.7204	8.8199	0.0145		0.5671	0.5671		0.5400	0.5400		1,300.320 8	1,300.320 8	0.3249		1,308.443 5
<b>Total</b>	<b>1.5032</b>	<b>10.7204</b>	<b>8.8199</b>	<b>0.0145</b>		<b>0.5671</b>	<b>0.5671</b>		<b>0.5400</b>	<b>0.5400</b>		<b>1,300.320 8</b>	<b>1,300.320 8</b>	<b>0.3249</b>		<b>1,308.443 5</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0263	0.8395	0.1999	2.0600e-003	0.0512	4.1600e-003	0.0554	0.0147	3.9800e-003	0.0187		219.5588	219.5588	0.0138		219.9034
Worker	0.0995	0.0669	0.8994	2.5300e-003	0.2459	1.8700e-003	0.2478	0.0652	1.7200e-003	0.0669		251.7718	251.7718	7.2400e-003		251.9528
<b>Total</b>	<b>0.1258</b>	<b>0.9064</b>	<b>1.0993</b>	<b>4.5900e-003</b>	<b>0.2971</b>	<b>6.0300e-003</b>	<b>0.3031</b>	<b>0.0800</b>	<b>5.7000e-003</b>	<b>0.0857</b>		<b>471.3306</b>	<b>471.3306</b>	<b>0.0210</b>		<b>471.8562</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5032	10.7204	8.8199	0.0145		0.5671	0.5671		0.5400	0.5400	0.0000	1,300.3208	1,300.3208	0.3249		1,308.4435
<b>Total</b>	<b>1.5032</b>	<b>10.7204</b>	<b>8.8199</b>	<b>0.0145</b>		<b>0.5671</b>	<b>0.5671</b>		<b>0.5400</b>	<b>0.5400</b>	<b>0.0000</b>	<b>1,300.3208</b>	<b>1,300.3208</b>	<b>0.3249</b>		<b>1,308.4435</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0263	0.8395	0.1999	2.0600e-003	0.0512	4.1600e-003	0.0554	0.0147	3.9800e-003	0.0187		219.5588	219.5588	0.0138		219.9034
Worker	0.0995	0.0669	0.8994	2.5300e-003	0.2459	1.8700e-003	0.2478	0.0652	1.7200e-003	0.0669		251.7718	251.7718	7.2400e-003		251.9528
<b>Total</b>	<b>0.1258</b>	<b>0.9064</b>	<b>1.0993</b>	<b>4.5900e-003</b>	<b>0.2971</b>	<b>6.0300e-003</b>	<b>0.3031</b>	<b>0.0800</b>	<b>5.7000e-003</b>	<b>0.0857</b>		<b>471.3306</b>	<b>471.3306</b>	<b>0.0210</b>		<b>471.8562</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3416	9.9041	8.5701	0.0145		0.4888	0.4888		0.4653	0.4653		1,300.3813	1,300.3813	0.3153		1,308.2649
<b>Total</b>	<b>1.3416</b>	<b>9.9041</b>	<b>8.5701</b>	<b>0.0145</b>		<b>0.4888</b>	<b>0.4888</b>		<b>0.4653</b>	<b>0.4653</b>		<b>1,300.3813</b>	<b>1,300.3813</b>	<b>0.3153</b>		<b>1,308.2649</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.7630	0.1811	2.0400e-003	0.0512	1.5400e-003	0.0527	0.0147	1.4700e-003	0.0162		217.9508	217.9508	0.0132		218.2804
Worker	0.0929	0.0602	0.8288	2.4500e-003	0.2459	1.8100e-003	0.2477	0.0652	1.6700e-003	0.0669		243.6287	243.6287	6.5500e-003		243.7925
<b>Total</b>	<b>0.1151</b>	<b>0.8232</b>	<b>1.0099</b>	<b>4.4900e-003</b>	<b>0.2971</b>	<b>3.3500e-003</b>	<b>0.3005</b>	<b>0.0800</b>	<b>3.1400e-003</b>	<b>0.0831</b>		<b>461.5795</b>	<b>461.5795</b>	<b>0.0197</b>		<b>462.0729</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3416	9.9041	8.5701	0.0145		0.4888	0.4888		0.4653	0.4653	0.0000	1,300.3813	1,300.3813	0.3153		1,308.2649
<b>Total</b>	<b>1.3416</b>	<b>9.9041</b>	<b>8.5701</b>	<b>0.0145</b>		<b>0.4888</b>	<b>0.4888</b>		<b>0.4653</b>	<b>0.4653</b>	<b>0.0000</b>	<b>1,300.3813</b>	<b>1,300.3813</b>	<b>0.3153</b>		<b>1,308.2649</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0223	0.7630	0.1811	2.0400e-003	0.0512	1.5400e-003	0.0527	0.0147	1.4700e-003	0.0162		217.9508	217.9508	0.0132		218.2804
Worker	0.0929	0.0602	0.8288	2.4500e-003	0.2459	1.8100e-003	0.2477	0.0652	1.6700e-003	0.0669		243.6287	243.6287	6.5500e-003		243.7925
<b>Total</b>	<b>0.1151</b>	<b>0.8232</b>	<b>1.0099</b>	<b>4.4900e-003</b>	<b>0.2971</b>	<b>3.3500e-003</b>	<b>0.3005</b>	<b>0.0800</b>	<b>3.1400e-003</b>	<b>0.0831</b>		<b>461.5795</b>	<b>461.5795</b>	<b>0.0197</b>		<b>462.0729</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7265	7.2627	8.2567	0.0126		0.3894	0.3894		0.3591	0.3591		1,209.9470	1,209.9470	0.3830		1,219.5220
Paving	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9308</b>	<b>7.2627</b>	<b>8.2567</b>	<b>0.0126</b>		<b>0.3894</b>	<b>0.3894</b>		<b>0.3591</b>	<b>0.3591</b>		<b>1,209.9470</b>	<b>1,209.9470</b>	<b>0.3830</b>		<b>1,219.5220</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0383	0.5274	1.5600e-003	0.1565	1.1500e-003	0.1576	0.0415	1.0600e-003	0.0426		155.0365	155.0365	4.1700e-003		155.1407
<b>Total</b>	<b>0.0591</b>	<b>0.0383</b>	<b>0.5274</b>	<b>1.5600e-003</b>	<b>0.1565</b>	<b>1.1500e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>1.0600e-003</b>	<b>0.0426</b>		<b>155.0365</b>	<b>155.0365</b>	<b>4.1700e-003</b>		<b>155.1407</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7265	7.2627	8.2567	0.0126		0.3894	0.3894		0.3591	0.3591	0.0000	1,209.9470	1,209.9470	0.3830		1,219.5220
Paving	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9308</b>	<b>7.2627</b>	<b>8.2567</b>	<b>0.0126</b>		<b>0.3894</b>	<b>0.3894</b>		<b>0.3591</b>	<b>0.3591</b>	<b>0.0000</b>	<b>1,209.9470</b>	<b>1,209.9470</b>	<b>0.3830</b>		<b>1,219.5220</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0591	0.0383	0.5274	1.5600e-003	0.1565	1.1500e-003	0.1576	0.0415	1.0600e-003	0.0426		155.0365	155.0365	4.1700e-003		155.1407
<b>Total</b>	<b>0.0591</b>	<b>0.0383</b>	<b>0.5274</b>	<b>1.5600e-003</b>	<b>0.1565</b>	<b>1.1500e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>1.0600e-003</b>	<b>0.0426</b>		<b>155.0365</b>	<b>155.0365</b>	<b>4.1700e-003</b>		<b>155.1407</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>17.2006</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	0.0110	0.1507	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		44.2961	44.2961	1.1900e-003		44.3259
<b>Total</b>	<b>0.0169</b>	<b>0.0110</b>	<b>0.1507</b>	<b>4.4000e-004</b>	<b>0.0447</b>	<b>3.3000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>3.0000e-004</b>	<b>0.0122</b>		<b>44.2961</b>	<b>44.2961</b>	<b>1.1900e-003</b>		<b>44.3259</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>17.2006</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>



Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0169	0.0110	0.1507	4.4000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		44.2961	44.2961	1.1900e-003		44.3259
<b>Total</b>	<b>0.0169</b>	<b>0.0110</b>	<b>0.1507</b>	<b>4.4000e-004</b>	<b>0.0447</b>	<b>3.3000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>3.0000e-004</b>	<b>0.0122</b>		<b>44.2961</b>	<b>44.2961</b>	<b>1.1900e-003</b>		<b>44.3259</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.6222	3.0850	7.9322	0.0284	2.2478	0.0222	2.2699	0.6014	0.0207	0.6221		2,885.6420	2,885.6420	0.1395		2,889.1297
Unmitigated	0.6222	3.0850	7.9322	0.0284	2.2478	0.0222	2.2699	0.6014	0.0207	0.6221		2,885.6420	2,885.6420	0.1395		2,889.1297

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	350.00	142.98	15.41	823,429	823,429
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	350.00	142.98	15.41	823,429	823,429

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
NaturalGas Unmitigated	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	655.694	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0700e-003</b>	<b>0.0643</b>	<b>0.0540</b>	<b>3.9000e-004</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>77.1404</b>	<b>77.1404</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.5988</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.655694	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0700e-003</b>	<b>0.0643</b>	<b>0.0540</b>	<b>3.9000e-004</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>77.1404</b>	<b>77.1404</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.5988</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Unmitigated	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
<b>Total</b>	<b>0.4016</b>	<b>5.0000e-005</b>	<b>5.2400e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0112</b>	<b>0.0112</b>	<b>3.0000e-005</b>		<b>0.0119</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
<b>Total</b>	<b>0.4016</b>	<b>5.0000e-005</b>	<b>5.2400e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0112</b>	<b>0.0112</b>	<b>3.0000e-005</b>		<b>0.0119</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Moreno Valley College Welcome Center - South Coast AQMD Air District, Summer

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**Moreno Valley College Welcome Center**  
**South Coast AQMD Air District, Winter**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	17.30	1000sqft	0.40	17,305.00	0
Other Asphalt Surfaces	33.78	1000sqft	0.78	33,779.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on site plan.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.



Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Trips and VMT - CalEEMod defaults rounded up to nearest even number to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition.

Grading - Import/Export for utilities.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on trip generation rate for the project.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Water 3x per day in accordance with SCAQMD Rule 403.

Fleet Mix -

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	0.88	1.00
tblGrading	MaterialExported	0.00	1,455.00
tblGrading	MaterialImported	0.00	1,455.00
tblLandUse	LandUseSquareFeet	17,300.00	17,305.00
tblLandUse	LandUseSquareFeet	33,780.00	33,779.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripNumber	364.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	364.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	11.23	8.26
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.23

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.6392	17.3192	9.8526	0.0202	5.8890	0.7797	6.6687	2.9774	0.7173	3.6948	0.0000	2,111.0294	2,111.0294	0.5036	0.0000	2,118.1862
2021	17.2191	10.7306	9.5175	0.0188	0.2971	0.4922	0.7893	0.0800	0.4685	0.5484	0.0000	1,739.8684	1,739.8684	0.3869	0.0000	1,748.2586
<b>Maximum</b>	<b>17.2191</b>	<b>17.3192</b>	<b>9.8526</b>	<b>0.0202</b>	<b>5.8890</b>	<b>0.7797</b>	<b>6.6687</b>	<b>2.9774</b>	<b>0.7173</b>	<b>3.6948</b>	<b>0.0000</b>	<b>2,111.0294</b>	<b>2,111.0294</b>	<b>0.5036</b>	<b>0.0000</b>	<b>2,118.1862</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2020	1.6392	17.3192	9.8526	0.0202	2.3513	0.7797	3.1310	1.1757	0.7173	1.8930	0.0000	2,111.0294	2,111.0294	0.5036	0.0000	2,118.1862
2021	17.2191	10.7306	9.5175	0.0188	0.2971	0.4922	0.7893	0.0800	0.4685	0.5484	0.0000	1,739.8684	1,739.8684	0.3869	0.0000	1,748.2586
<b>Maximum</b>	<b>17.2191</b>	<b>17.3192</b>	<b>9.8526</b>	<b>0.0202</b>	<b>2.3513</b>	<b>0.7797</b>	<b>3.1310</b>	<b>1.1757</b>	<b>0.7173</b>	<b>1.8930</b>	<b>0.0000</b>	<b>2,111.0294</b>	<b>2,111.0294</b>	<b>0.5036</b>	<b>0.0000</b>	<b>2,118.1862</b>

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	57.19	0.00	47.44	58.93	0.00	42.46	0.00	0.00	0.00	0.00	0.00	0.00

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Energy	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Mobile	0.5913	3.1433	7.4558	0.0268	2.2478	0.0223	2.2701	0.6014	0.0208	0.6223		2,731.5843	2,731.5843	0.1397		2,735.0757
<b>Total</b>	<b>1.0000</b>	<b>3.2077</b>	<b>7.5150</b>	<b>0.0272</b>	<b>2.2478</b>	<b>0.0272</b>	<b>2.2750</b>	<b>0.6014</b>	<b>0.0257</b>	<b>0.6272</b>		<b>2,808.7359</b>	<b>2,808.7359</b>	<b>0.1412</b>	<b>1.4100e-003</b>	<b>2,812.6865</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Energy	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Mobile	0.5913	3.1433	7.4558	0.0268	2.2478	0.0223	2.2701	0.6014	0.0208	0.6223		2,731.5843	2,731.5843	0.1397		2,735.0757
<b>Total</b>	<b>1.0000</b>	<b>3.2077</b>	<b>7.5150</b>	<b>0.0272</b>	<b>2.2478</b>	<b>0.0272</b>	<b>2.2750</b>	<b>0.6014</b>	<b>0.0257</b>	<b>0.6272</b>		<b>2,808.7359</b>	<b>2,808.7359</b>	<b>0.1412</b>	<b>1.4100e-003</b>	<b>2,812.6865</b>

## Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

### 3.0 Construction Detail

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#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2020	6/4/2020	5	2	
2	Grading	Grading	6/5/2020	6/10/2020	5	4	
3	Trenching	Trenching	6/11/2020	7/8/2020	5	20	
4	Building Construction	Building Construction	7/9/2020	4/14/2021	5	200	
5	Paving	Paving	4/15/2021	4/28/2021	5	10	
6	Architectural Coating	Architectural Coating	4/29/2021	5/12/2021	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0.78**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 25,958; Non-Residential Outdoor: 8,653; Striped Parking Area: 2,027 (Architectural Coating – sqft)**

#### OffRoad Equipment

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	7.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Trenchers	1	7.00	78	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	7.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	7.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	7.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	364.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	6	22.00	8.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					5.7996	0.0000	5.7996	2.9537	0.0000	2.9537			0.0000			0.0000
Off-Road	1.5442	17.2926	7.1975	0.0160		0.7790	0.7790		0.7167	0.7167		1,549.4760	1,549.4760	0.5011		1,562.0043
<b>Total</b>	<b>1.5442</b>	<b>17.2926</b>	<b>7.1975</b>	<b>0.0160</b>	<b>5.7996</b>	<b>0.7790</b>	<b>6.5786</b>	<b>2.9537</b>	<b>0.7167</b>	<b>3.6704</b>		<b>1,549.4760</b>	<b>1,549.4760</b>	<b>0.5011</b>		<b>1,562.0043</b>



Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.2 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0266	0.2945	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		85.6292	85.6292	2.4600e-003		85.6906
<b>Total</b>	<b>0.0395</b>	<b>0.0266</b>	<b>0.2945</b>	<b>8.6000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>85.6292</b>	<b>85.6292</b>	<b>2.4600e-003</b>		<b>85.6906</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					2.2618	0.0000	2.2618	1.1519	0.0000	1.1519			0.0000			0.0000
Off-Road	1.5442	17.2926	7.1975	0.0160		0.7790	0.7790		0.7167	0.7167	0.0000	1,549.4760	1,549.4760	0.5011		1,562.0043
<b>Total</b>	<b>1.5442</b>	<b>17.2926</b>	<b>7.1975</b>	<b>0.0160</b>	<b>2.2618</b>	<b>0.7790</b>	<b>3.0409</b>	<b>1.1519</b>	<b>0.7167</b>	<b>1.8687</b>	<b>0.0000</b>	<b>1,549.4760</b>	<b>1,549.4760</b>	<b>0.5011</b>		<b>1,562.0043</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.2 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0266	0.2945	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		85.6292	85.6292	2.4600e-003		85.6906
<b>Total</b>	<b>0.0395</b>	<b>0.0266</b>	<b>0.2945</b>	<b>8.6000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>85.6292</b>	<b>85.6292</b>	<b>2.4600e-003</b>		<b>85.6906</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					4.9965	0.0000	4.9965	2.5381	0.0000	2.5381			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296		1,365.7183	1,365.7183	0.4417		1,376.7609
<b>Total</b>	<b>1.3498</b>	<b>15.0854</b>	<b>6.4543</b>	<b>0.0141</b>	<b>4.9965</b>	<b>0.6844</b>	<b>5.6809</b>	<b>2.5381</b>	<b>0.6296</b>	<b>3.1677</b>		<b>1,365.7183</b>	<b>1,365.7183</b>	<b>0.4417</b>		<b>1,376.7609</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0266	0.2945	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		85.6292	85.6292	2.4600e-003		85.6906
<b>Total</b>	<b>0.0395</b>	<b>0.0266</b>	<b>0.2945</b>	<b>8.6000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>85.6292</b>	<b>85.6292</b>	<b>2.4600e-003</b>		<b>85.6906</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					1.9486	0.0000	1.9486	0.9899	0.0000	0.9899			0.0000			0.0000
Off-Road	1.3498	15.0854	6.4543	0.0141		0.6844	0.6844		0.6296	0.6296	0.0000	1,365.7183	1,365.7183	0.4417		1,376.7609
<b>Total</b>	<b>1.3498</b>	<b>15.0854</b>	<b>6.4543</b>	<b>0.0141</b>	<b>1.9486</b>	<b>0.6844</b>	<b>2.6330</b>	<b>0.9899</b>	<b>0.6296</b>	<b>1.6195</b>	<b>0.0000</b>	<b>1,365.7183</b>	<b>1,365.7183</b>	<b>0.4417</b>		<b>1,376.7609</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0395	0.0266	0.2945	8.6000e-004	0.0894	6.8000e-004	0.0901	0.0237	6.2000e-004	0.0243		85.6292	85.6292	2.4600e-003		85.6906
<b>Total</b>	<b>0.0395</b>	<b>0.0266</b>	<b>0.2945</b>	<b>8.6000e-004</b>	<b>0.0894</b>	<b>6.8000e-004</b>	<b>0.0901</b>	<b>0.0237</b>	<b>6.2000e-004</b>	<b>0.0243</b>		<b>85.6292</b>	<b>85.6292</b>	<b>2.4600e-003</b>		<b>85.6906</b>

**3.4 Trenching - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5506	5.1640	4.3015	5.6700e-003		0.3652	0.3652		0.3360	0.3360		549.1330	549.1330	0.1776		553.5730
<b>Total</b>	<b>0.5506</b>	<b>5.1640</b>	<b>4.3015</b>	<b>5.6700e-003</b>		<b>0.3652</b>	<b>0.3652</b>		<b>0.3360</b>	<b>0.3360</b>		<b>549.1330</b>	<b>549.1330</b>	<b>0.1776</b>		<b>553.5730</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.4 Trenching - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1422	5.0166	1.0609	0.0139	0.3180	0.0162	0.3342	0.0872	0.0155	0.1027		1,497.674 4	1,497.674 4	0.1068		1,500.345 2
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0200	0.2209	6.4000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		64.2219	64.2219	1.8400e-003		64.2679
<b>Total</b>	<b>0.1718</b>	<b>5.0366</b>	<b>1.2818</b>	<b>0.0145</b>	<b>0.3851</b>	<b>0.0167</b>	<b>0.4018</b>	<b>0.1050</b>	<b>0.0160</b>	<b>0.1209</b>		<b>1,561.896 3</b>	<b>1,561.896 3</b>	<b>0.1087</b>		<b>1,564.613 2</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.5506	5.1640	4.3015	5.6700e-003		0.3652	0.3652		0.3360	0.3360	0.0000	549.1330	549.1330	0.1776		553.5730
<b>Total</b>	<b>0.5506</b>	<b>5.1640</b>	<b>4.3015</b>	<b>5.6700e-003</b>		<b>0.3652</b>	<b>0.3652</b>		<b>0.3360</b>	<b>0.3360</b>	<b>0.0000</b>	<b>549.1330</b>	<b>549.1330</b>	<b>0.1776</b>		<b>553.5730</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.4 Trenching - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.1422	5.0166	1.0609	0.0139	0.3180	0.0162	0.3342	0.0872	0.0155	0.1027		1,497.674 4	1,497.674 4	0.1068		1,500.345 2
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0296	0.0200	0.2209	6.4000e-004	0.0671	5.1000e-004	0.0676	0.0178	4.7000e-004	0.0183		64.2219	64.2219	1.8400e-003		64.2679
<b>Total</b>	<b>0.1718</b>	<b>5.0366</b>	<b>1.2818</b>	<b>0.0145</b>	<b>0.3851</b>	<b>0.0167</b>	<b>0.4018</b>	<b>0.1050</b>	<b>0.0160</b>	<b>0.1209</b>		<b>1,561.896 3</b>	<b>1,561.896 3</b>	<b>0.1087</b>		<b>1,564.613 2</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5032	10.7204	8.8199	0.0145		0.5671	0.5671		0.5400	0.5400		1,300.320 8	1,300.320 8	0.3249		1,308.443 5
<b>Total</b>	<b>1.5032</b>	<b>10.7204</b>	<b>8.8199</b>	<b>0.0145</b>		<b>0.5671</b>	<b>0.5671</b>		<b>0.5400</b>	<b>0.5400</b>		<b>1,300.320 8</b>	<b>1,300.320 8</b>	<b>0.3249</b>		<b>1,308.443 5</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.8386	0.2229	2.0000e-003	0.0512	4.2200e-003	0.0554	0.0147	4.0400e-003	0.0188		213.2103	213.2103	0.0148		213.5804
Worker	0.1086	0.0733	0.8098	2.3600e-003	0.2459	1.8700e-003	0.2478	0.0652	1.7200e-003	0.0669		235.4803	235.4803	6.7500e-003		235.6491
<b>Total</b>	<b>0.1361</b>	<b>0.9119</b>	<b>1.0327</b>	<b>4.3600e-003</b>	<b>0.2971</b>	<b>6.0900e-003</b>	<b>0.3032</b>	<b>0.0800</b>	<b>5.7600e-003</b>	<b>0.0857</b>		<b>448.6905</b>	<b>448.6905</b>	<b>0.0216</b>		<b>449.2295</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.5032	10.7204	8.8199	0.0145		0.5671	0.5671		0.5400	0.5400	0.0000	1,300.3208	1,300.3208	0.3249		1,308.4435
<b>Total</b>	<b>1.5032</b>	<b>10.7204</b>	<b>8.8199</b>	<b>0.0145</b>		<b>0.5671</b>	<b>0.5671</b>		<b>0.5400</b>	<b>0.5400</b>	<b>0.0000</b>	<b>1,300.3208</b>	<b>1,300.3208</b>	<b>0.3249</b>		<b>1,308.4435</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0275	0.8386	0.2229	2.0000e-003	0.0512	4.2200e-003	0.0554	0.0147	4.0400e-003	0.0188		213.2103	213.2103	0.0148		213.5804
Worker	0.1086	0.0733	0.8098	2.3600e-003	0.2459	1.8700e-003	0.2478	0.0652	1.7200e-003	0.0669		235.4803	235.4803	6.7500e-003		235.6491
<b>Total</b>	<b>0.1361</b>	<b>0.9119</b>	<b>1.0327</b>	<b>4.3600e-003</b>	<b>0.2971</b>	<b>6.0900e-003</b>	<b>0.3032</b>	<b>0.0800</b>	<b>5.7600e-003</b>	<b>0.0857</b>		<b>448.6905</b>	<b>448.6905</b>	<b>0.0216</b>		<b>449.2295</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3416	9.9041	8.5701	0.0145		0.4888	0.4888		0.4653	0.4653		1,300.3813	1,300.3813	0.3153		1,308.2649
<b>Total</b>	<b>1.3416</b>	<b>9.9041</b>	<b>8.5701</b>	<b>0.0145</b>		<b>0.4888</b>	<b>0.4888</b>		<b>0.4653</b>	<b>0.4653</b>		<b>1,300.3813</b>	<b>1,300.3813</b>	<b>0.3153</b>		<b>1,308.2649</b>



Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0234	0.7606	0.2026	1.9800e-003	0.0512	1.5900e-003	0.0528	0.0147	1.5200e-003	0.0163		211.6402	211.6402	0.0142		211.9942
Worker	0.1015	0.0659	0.7448	2.2900e-003	0.2459	1.8100e-003	0.2477	0.0652	1.6700e-003	0.0669		227.8469	227.8469	6.1100e-003		227.9996
<b>Total</b>	<b>0.1249</b>	<b>0.8265</b>	<b>0.9474</b>	<b>4.2700e-003</b>	<b>0.2971</b>	<b>3.4000e-003</b>	<b>0.3005</b>	<b>0.0800</b>	<b>3.1900e-003</b>	<b>0.0831</b>		<b>439.4871</b>	<b>439.4871</b>	<b>0.0203</b>		<b>439.9938</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.3416	9.9041	8.5701	0.0145		0.4888	0.4888		0.4653	0.4653	0.0000	1,300.3813	1,300.3813	0.3153		1,308.2649
<b>Total</b>	<b>1.3416</b>	<b>9.9041</b>	<b>8.5701</b>	<b>0.0145</b>		<b>0.4888</b>	<b>0.4888</b>		<b>0.4653</b>	<b>0.4653</b>	<b>0.0000</b>	<b>1,300.3813</b>	<b>1,300.3813</b>	<b>0.3153</b>		<b>1,308.2649</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0234	0.7606	0.2026	1.9800e-003	0.0512	1.5900e-003	0.0528	0.0147	1.5200e-003	0.0163		211.6402	211.6402	0.0142		211.9942
Worker	0.1015	0.0659	0.7448	2.2900e-003	0.2459	1.8100e-003	0.2477	0.0652	1.6700e-003	0.0669		227.8469	227.8469	6.1100e-003		227.9996
<b>Total</b>	<b>0.1249</b>	<b>0.8265</b>	<b>0.9474</b>	<b>4.2700e-003</b>	<b>0.2971</b>	<b>3.4000e-003</b>	<b>0.3005</b>	<b>0.0800</b>	<b>3.1900e-003</b>	<b>0.0831</b>		<b>439.4871</b>	<b>439.4871</b>	<b>0.0203</b>		<b>439.9938</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7265	7.2627	8.2567	0.0126		0.3894	0.3894		0.3591	0.3591		1,209.9470	1,209.9470	0.3830		1,219.5220
Paving	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9308</b>	<b>7.2627</b>	<b>8.2567</b>	<b>0.0126</b>		<b>0.3894</b>	<b>0.3894</b>		<b>0.3591</b>	<b>0.3591</b>		<b>1,209.9470</b>	<b>1,209.9470</b>	<b>0.3830</b>		<b>1,219.5220</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0420	0.4740	1.4500e-003	0.1565	1.1500e-003	0.1576	0.0415	1.0600e-003	0.0426		144.9935	144.9935	3.8900e-003		145.0907
<b>Total</b>	<b>0.0646</b>	<b>0.0420</b>	<b>0.4740</b>	<b>1.4500e-003</b>	<b>0.1565</b>	<b>1.1500e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>1.0600e-003</b>	<b>0.0426</b>		<b>144.9935</b>	<b>144.9935</b>	<b>3.8900e-003</b>		<b>145.0907</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	0.7265	7.2627	8.2567	0.0126		0.3894	0.3894		0.3591	0.3591	0.0000	1,209.9470	1,209.9470	0.3830		1,219.5220
Paving	0.2044					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>0.9308</b>	<b>7.2627</b>	<b>8.2567</b>	<b>0.0126</b>		<b>0.3894</b>	<b>0.3894</b>		<b>0.3591</b>	<b>0.3591</b>	<b>0.0000</b>	<b>1,209.9470</b>	<b>1,209.9470</b>	<b>0.3830</b>		<b>1,219.5220</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0646	0.0420	0.4740	1.4500e-003	0.1565	1.1500e-003	0.1576	0.0415	1.0600e-003	0.0426		144.9935	144.9935	3.8900e-003		145.0907
<b>Total</b>	<b>0.0646</b>	<b>0.0420</b>	<b>0.4740</b>	<b>1.4500e-003</b>	<b>0.1565</b>	<b>1.1500e-003</b>	<b>0.1576</b>	<b>0.0415</b>	<b>1.0600e-003</b>	<b>0.0426</b>		<b>144.9935</b>	<b>144.9935</b>	<b>3.8900e-003</b>		<b>145.0907</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941		281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>17.2006</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>		<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0120	0.1354	4.2000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		41.4267	41.4267	1.1100e-003		41.4545
<b>Total</b>	<b>0.0185</b>	<b>0.0120</b>	<b>0.1354</b>	<b>4.2000e-004</b>	<b>0.0447</b>	<b>3.3000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>3.0000e-004</b>	<b>0.0122</b>		<b>41.4267</b>	<b>41.4267</b>	<b>1.1100e-003</b>		<b>41.4545</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	16.9817					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2189	1.5268	1.8176	2.9700e-003		0.0941	0.0941		0.0941	0.0941	0.0000	281.4481	281.4481	0.0193		281.9309
<b>Total</b>	<b>17.2006</b>	<b>1.5268</b>	<b>1.8176</b>	<b>2.9700e-003</b>		<b>0.0941</b>	<b>0.0941</b>		<b>0.0941</b>	<b>0.0941</b>	<b>0.0000</b>	<b>281.4481</b>	<b>281.4481</b>	<b>0.0193</b>		<b>281.9309</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0185	0.0120	0.1354	4.2000e-004	0.0447	3.3000e-004	0.0450	0.0119	3.0000e-004	0.0122		41.4267	41.4267	1.1100e-003		41.4545
<b>Total</b>	<b>0.0185</b>	<b>0.0120</b>	<b>0.1354</b>	<b>4.2000e-004</b>	<b>0.0447</b>	<b>3.3000e-004</b>	<b>0.0450</b>	<b>0.0119</b>	<b>3.0000e-004</b>	<b>0.0122</b>		<b>41.4267</b>	<b>41.4267</b>	<b>1.1100e-003</b>		<b>41.4545</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.5913	3.1433	7.4558	0.0268	2.2478	0.0223	2.2701	0.6014	0.0208	0.6223		2,731.584 3	2,731.584 3	0.1397		2,735.075 7
Unmitigated	0.5913	3.1433	7.4558	0.0268	2.2478	0.0223	2.2701	0.6014	0.0208	0.6223		2,731.584 3	2,731.584 3	0.1397		2,735.075 7

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	350.00	142.98	15.41	823,429	823,429
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	350.00	142.98	15.41	823,429	823,429

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
NaturalGas Unmitigated	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988



Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	655.694	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0700e-003</b>	<b>0.0643</b>	<b>0.0540</b>	<b>3.9000e-004</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>77.1404</b>	<b>77.1404</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.5988</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Junior College (2Yr)	0.655694	7.0700e-003	0.0643	0.0540	3.9000e-004		4.8900e-003	4.8900e-003		4.8900e-003	4.8900e-003		77.1404	77.1404	1.4800e-003	1.4100e-003	77.5988
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>7.0700e-003</b>	<b>0.0643</b>	<b>0.0540</b>	<b>3.9000e-004</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>4.8900e-003</b>	<b>4.8900e-003</b>		<b>77.1404</b>	<b>77.1404</b>	<b>1.4800e-003</b>	<b>1.4100e-003</b>	<b>77.5988</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
Unmitigated	0.4016	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
<b>Total</b>	<b>0.4016</b>	<b>5.0000e-005</b>	<b>5.2400e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0112</b>	<b>0.0112</b>	<b>3.0000e-005</b>		<b>0.0119</b>

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.0465					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	0.3546					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	4.9000e-004	5.0000e-005	5.2400e-003	0.0000		2.0000e-005	2.0000e-005		2.0000e-005	2.0000e-005		0.0112	0.0112	3.0000e-005		0.0119
<b>Total</b>	<b>0.4016</b>	<b>5.0000e-005</b>	<b>5.2400e-003</b>	<b>0.0000</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>2.0000e-005</b>	<b>2.0000e-005</b>		<b>0.0112</b>	<b>0.0112</b>	<b>3.0000e-005</b>		<b>0.0119</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Fire Pumps and Emergency Generators

Moreno Valley College Welcome Center - South Coast AQMD Air District, Winter

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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# **APPENDIX A-2**

## *Health Risk Assessment Supporting Files*

Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

**Moreno Valley College Welcome Center**  
**South Coast AQMD Air District, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Junior College (2Yr)	17.30	1000sqft	0.40	17,305.00	0
Other Asphalt Surfaces	33.78	1000sqft	0.78	33,779.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.2	<b>Precipitation Freq (Days)</b>	31
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	702.44	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Project Characteristics -

Land Use - Based on site plan.

Construction Phase - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. No generators needed, power is available onsite. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

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Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Off-road Equipment - CalEEMod defaults. Maximum 7 hours per day.

Trips and VMT - CalEEMod defaults rounded up to nearest even number to account for whole round trips.

On-road Fugitive Dust - CalEEMod defaults.

Demolition - No demolition.

Grading - Import/Export for utilities.

Architectural Coating - CalEEMod defaults.

Vehicle Trips - Based on trip generation rate for the project.

Vehicle Emission Factors -

Vehicle Emission Factors -

Vehicle Emission Factors -

Road Dust - CalEEMod defaults.

Woodstoves - No hearths.

Consumer Products - CalEEMod defaults.

Area Coating - CalEEMod defaults.

Landscape Equipment - CalEEMod defaults.

Energy Use - CalEEMod defaults.

Water And Wastewater - CalEEMod defaults.

Solid Waste - CalEEMod defaults.

Construction Off-road Equipment Mitigation - Water 3x per day in accordance with SCAQMD Rule 403.

Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

Fleet Mix -

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	0.88	1.00
tblGrading	MaterialExported	0.00	1,455.00
tblGrading	MaterialImported	0.00	1,455.00
tblLandUse	LandUseSquareFeet	17,300.00	17,305.00
tblLandUse	LandUseSquareFeet	33,780.00	33,779.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	0.00	1.00
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	PhaseName		Trenching
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblOffRoadEquipment	UsageHours	8.00	7.00
tblTripsAndVMT	HaulingTripLength	20.00	0.19
tblTripsAndVMT	HaulingTripNumber	364.00	0.00
tblTripsAndVMT	HaulingTripNumber	0.00	364.00
tblTripsAndVMT	VendorTripLength	6.90	0.19
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripLength	14.70	0.00



## Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

tblTripsAndVMT	WorkerTripLength	14.70	0.00
tblTripsAndVMT	WorkerTripNumber	5.00	6.00
tblTripsAndVMT	WorkerTripNumber	21.00	22.00
tblTripsAndVMT	WorkerTripNumber	13.00	14.00
tblVehicleTrips	ST_TR	11.23	8.26
tblVehicleTrips	SU_TR	1.21	0.89
tblVehicleTrips	WD_TR	27.49	20.23

## 2.0 Emissions Summary

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Moreno Valley College Welcome Center - South Coast AQMD Air District, Annual

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1070	0.8241	0.6355	1.0700e-003	0.0159	0.0416	0.0575	8.0800e-003	0.0394	0.0475	0.0000	88.5084	88.5084	0.0223	0.0000	89.0659
2021	0.1415	0.4284	0.3753	6.4000e-004	7.0000e-005	0.0205	0.0206	2.0000e-005	0.0195	0.0195	0.0000	52.3565	52.3565	0.0127	0.0000	52.6742
<b>Maximum</b>	<b>0.1415</b>	<b>0.8241</b>	<b>0.6355</b>	<b>1.0700e-003</b>	<b>0.0159</b>	<b>0.0416</b>	<b>0.0575</b>	<b>8.0800e-003</b>	<b>0.0394</b>	<b>0.0475</b>	<b>0.0000</b>	<b>88.5084</b>	<b>88.5084</b>	<b>0.0223</b>	<b>0.0000</b>	<b>89.0659</b>

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2020	0.1070	0.8241	0.6355	1.0700e-003	6.3100e-003	0.0416	0.0479	3.1800e-003	0.0394	0.0426	0.0000	88.5083	88.5083	0.0223	0.0000	89.0658
2021	0.1415	0.4284	0.3753	6.4000e-004	7.0000e-005	0.0205	0.0206	2.0000e-005	0.0195	0.0195	0.0000	52.3565	52.3565	0.0127	0.0000	52.6741
<b>Maximum</b>	<b>0.1415</b>	<b>0.8241</b>	<b>0.6355</b>	<b>1.0700e-003</b>	<b>6.3100e-003</b>	<b>0.0416</b>	<b>0.0479</b>	<b>3.1800e-003</b>	<b>0.0394</b>	<b>0.0426</b>	<b>0.0000</b>	<b>88.5083</b>	<b>88.5083</b>	<b>0.0223</b>	<b>0.0000</b>	<b>89.0658</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>60.15</b>	<b>0.00</b>	<b>12.33</b>	<b>60.49</b>	<b>0.00</b>	<b>7.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	6-3-2020	9-2-2020	0.3798	0.3798
2	9-3-2020	12-2-2020	0.4146	0.4146
3	12-3-2020	3-2-2021	0.3882	0.3882
4	3-3-2021	6-2-2021	0.3153	0.3153
		Highest	0.4146	0.4146

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Energy	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	56.2198	56.2198	2.0400e-003	6.1000e-004	56.4511
Mobile	0.0820	0.4536	1.0727	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5189	356.5189	0.0178	0.0000	356.9645
Waste						0.0000	0.0000		0.0000	0.0000	4.5653	0.0000	4.5653	0.2698	0.0000	11.3103
Water						0.0000	0.0000		0.0000	0.0000	0.2692	8.2186	8.4878	0.0280	7.2000e-004	9.4030
<b>Total</b>	<b>0.1565</b>	<b>0.4653</b>	<b>1.0832</b>	<b>3.9300e-003</b>	<b>0.3129</b>	<b>4.0300e-003</b>	<b>0.3169</b>	<b>0.0838</b>	<b>3.8300e-003</b>	<b>0.0877</b>	<b>4.8345</b>	<b>420.9585</b>	<b>425.7930</b>	<b>0.3177</b>	<b>1.3300e-003</b>	<b>434.1303</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Energy	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	56.2198	56.2198	2.0400e-003	6.1000e-004	56.4511
Mobile	0.0820	0.4536	1.0727	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5189	356.5189	0.0178	0.0000	356.9645
Waste						0.0000	0.0000		0.0000	0.0000	4.5653	0.0000	4.5653	0.2698	0.0000	11.3103
Water						0.0000	0.0000		0.0000	0.0000	0.2692	8.2186	8.4878	0.0280	7.2000e-004	9.4030
<b>Total</b>	<b>0.1565</b>	<b>0.4653</b>	<b>1.0832</b>	<b>3.9300e-003</b>	<b>0.3129</b>	<b>4.0300e-003</b>	<b>0.3169</b>	<b>0.0838</b>	<b>3.8300e-003</b>	<b>0.0877</b>	<b>4.8345</b>	<b>420.9585</b>	<b>425.7930</b>	<b>0.3177</b>	<b>1.3300e-003</b>	<b>434.1303</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	6/3/2020	6/4/2020	5	2	
2	Grading	Grading	6/5/2020	6/10/2020	5	4	
3	Trenching	Trenching	6/11/2020	7/8/2020	5	20	
4	Building Construction	Building Construction	7/9/2020	4/14/2021	5	200	
5	Paving	Paving	4/15/2021	4/28/2021	5	10	
6	Architectural Coating	Architectural Coating	4/29/2021	5/12/2021	5	10	

**Acres of Grading (Site Preparation Phase): 1**

**Acres of Grading (Grading Phase): 1.5**

**Acres of Paving: 0.78**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 25,958; Non-Residential Outdoor: 8,653; Striped Parking Area: 2,027 (Architectural Coating – sqft)**

**OffRoad Equipment**

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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Graders	1	7.00	187	0.41
Site Preparation	Rubber Tired Dozers	1	7.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Grading	Graders	1	6.00	187	0.41
Grading	Rubber Tired Dozers	1	6.00	247	0.40
Grading	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Trenching	Trenchers	1	7.00	78	0.50
Building Construction	Cranes	1	6.00	231	0.29
Building Construction	Forklifts	1	6.00	89	0.20
Building Construction	Generator Sets	0	7.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	1	6.00	97	0.37
Building Construction	Welders	3	7.00	46	0.45
Paving	Cement and Mortar Mixers	1	6.00	9	0.56
Paving	Pavers	1	6.00	130	0.42
Paving	Paving Equipment	1	7.00	132	0.36
Paving	Rollers	1	7.00	80	0.38
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	3	8.00	0.00	0.00	0.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	3	8.00	0.00	0.00	0.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Trenching	2	6.00	0.00	364.00	0.00	6.90	0.19	LD_Mix	HDT_Mix	HHDT
Building Construction	6	22.00	8.00	0.00	0.00	0.19	20.00	LD_Mix	HDT_Mix	HHDT
Paving	5	14.00	0.00	0.00	0.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	4.00	0.00	0.00	0.00	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

**3.2 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					5.8000e-003	0.0000	5.8000e-003	2.9500e-003	0.0000	2.9500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0173	7.2000e-003	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.4057	1.4057	4.5000e-004	0.0000	1.4170
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0173</b>	<b>7.2000e-003</b>	<b>2.0000e-005</b>	<b>5.8000e-003</b>	<b>7.8000e-004</b>	<b>6.5800e-003</b>	<b>2.9500e-003</b>	<b>7.2000e-004</b>	<b>3.6700e-003</b>	<b>0.0000</b>	<b>1.4057</b>	<b>1.4057</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4170</b>

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**3.2 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.6400e-003	1.6400e-003	0.0000	0.0000	1.6500e-003
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6400e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6500e-003</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					2.2600e-003	0.0000	2.2600e-003	1.1500e-003	0.0000	1.1500e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.5400e-003	0.0173	7.2000e-003	2.0000e-005		7.8000e-004	7.8000e-004		7.2000e-004	7.2000e-004	0.0000	1.4057	1.4057	4.5000e-004	0.0000	1.4170
<b>Total</b>	<b>1.5400e-003</b>	<b>0.0173</b>	<b>7.2000e-003</b>	<b>2.0000e-005</b>	<b>2.2600e-003</b>	<b>7.8000e-004</b>	<b>3.0400e-003</b>	<b>1.1500e-003</b>	<b>7.2000e-004</b>	<b>1.8700e-003</b>	<b>0.0000</b>	<b>1.4057</b>	<b>1.4057</b>	<b>4.5000e-004</b>	<b>0.0000</b>	<b>1.4170</b>



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**3.2 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.0000e-005	0.0000	4.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.6400e-003	1.6400e-003	0.0000	0.0000	1.6500e-003
<b>Total</b>	<b>1.0000e-005</b>	<b>0.0000</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6400e-003</b>	<b>1.6400e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.6500e-003</b>

**3.3 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					9.9900e-003	0.0000	9.9900e-003	5.0800e-003	0.0000	5.0800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0302</b>	<b>0.0129</b>	<b>3.0000e-005</b>	<b>9.9900e-003</b>	<b>1.3700e-003</b>	<b>0.0114</b>	<b>5.0800e-003</b>	<b>1.2600e-003</b>	<b>6.3400e-003</b>	<b>0.0000</b>	<b>2.4779</b>	<b>2.4779</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.4980</b>

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**3.3 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.2800e-003	3.2800e-003	0.0000	0.0000	3.2900e-003
<b>Total</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.2800e-003</b>	<b>3.2800e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.2900e-003</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					3.9000e-003	0.0000	3.9000e-003	1.9800e-003	0.0000	1.9800e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.7000e-003	0.0302	0.0129	3.0000e-005		1.3700e-003	1.3700e-003		1.2600e-003	1.2600e-003	0.0000	2.4779	2.4779	8.0000e-004	0.0000	2.4980
<b>Total</b>	<b>2.7000e-003</b>	<b>0.0302</b>	<b>0.0129</b>	<b>3.0000e-005</b>	<b>3.9000e-003</b>	<b>1.3700e-003</b>	<b>5.2700e-003</b>	<b>1.9800e-003</b>	<b>1.2600e-003</b>	<b>3.2400e-003</b>	<b>0.0000</b>	<b>2.4779</b>	<b>2.4779</b>	<b>8.0000e-004</b>	<b>0.0000</b>	<b>2.4980</b>

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**3.3 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	0.0000	7.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.2800e-003	3.2800e-003	0.0000	0.0000	3.2900e-003
<b>Total</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>7.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.2800e-003</b>	<b>3.2800e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.2900e-003</b>

**3.4 Trenching - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0516	0.0430	6.0000e-005		3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003	0.0000	4.9817	4.9817	1.6100e-003	0.0000	5.0219
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0516</b>	<b>0.0430</b>	<b>6.0000e-005</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>4.9817</b>	<b>4.9817</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>5.0219</b>

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**3.4 Trenching - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4000e-004	0.0179	2.4600e-003	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9941	1.9941	3.3000e-004	0.0000	2.0025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	2.0000e-005	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123	0.0123	0.0000	0.0000	0.0124
<b>Total</b>	<b>4.0000e-004</b>	<b>0.0179</b>	<b>2.7300e-003</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0065</b>	<b>2.0065</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>2.0148</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	5.5100e-003	0.0516	0.0430	6.0000e-005		3.6500e-003	3.6500e-003		3.3600e-003	3.3600e-003	0.0000	4.9816	4.9816	1.6100e-003	0.0000	5.0219
<b>Total</b>	<b>5.5100e-003</b>	<b>0.0516</b>	<b>0.0430</b>	<b>6.0000e-005</b>		<b>3.6500e-003</b>	<b>3.6500e-003</b>		<b>3.3600e-003</b>	<b>3.3600e-003</b>	<b>0.0000</b>	<b>4.9816</b>	<b>4.9816</b>	<b>1.6100e-003</b>	<b>0.0000</b>	<b>5.0219</b>

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**3.4 Trenching - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	3.4000e-004	0.0179	2.4600e-003	2.0000e-005	3.0000e-005	1.0000e-005	4.0000e-005	1.0000e-005	1.0000e-005	2.0000e-005	0.0000	1.9941	1.9941	3.3000e-004	0.0000	2.0025
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	2.0000e-005	2.7000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0123	0.0123	0.0000	0.0000	0.0124
<b>Total</b>	<b>4.0000e-004</b>	<b>0.0179</b>	<b>2.7300e-003</b>	<b>2.0000e-005</b>	<b>3.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>1.0000e-005</b>	<b>1.0000e-005</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>2.0065</b>	<b>2.0065</b>	<b>3.3000e-004</b>	<b>0.0000</b>	<b>2.0148</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0947	0.6754	0.5557	9.1000e-004		0.0357	0.0357		0.0340	0.0340	0.0000	74.3168	74.3168	0.0186	0.0000	74.7810
<b>Total</b>	<b>0.0947</b>	<b>0.6754</b>	<b>0.5557</b>	<b>9.1000e-004</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>74.3168</b>	<b>74.3168</b>	<b>0.0186</b>	<b>0.0000</b>	<b>74.7810</b>

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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0313	7.6400e-003	3.0000e-005	1.0000e-004	2.0000e-005	1.2000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	3.0305	3.0305	5.0000e-004	0.0000	3.0430
Worker	1.3700e-003	4.3000e-004	6.2600e-003	0.0000	1.0000e-005	1.0000e-005	2.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.2845	0.2845	3.0000e-005	0.0000	0.2853
<b>Total</b>	<b>2.1400e-003</b>	<b>0.0318</b>	<b>0.0139</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>1.4000e-004</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.3150</b>	<b>3.3150</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>3.3283</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0947	0.6754	0.5557	9.1000e-004		0.0357	0.0357		0.0340	0.0340	0.0000	74.3167	74.3167	0.0186	0.0000	74.7809
<b>Total</b>	<b>0.0947</b>	<b>0.6754</b>	<b>0.5557</b>	<b>9.1000e-004</b>		<b>0.0357</b>	<b>0.0357</b>		<b>0.0340</b>	<b>0.0340</b>	<b>0.0000</b>	<b>74.3167</b>	<b>74.3167</b>	<b>0.0186</b>	<b>0.0000</b>	<b>74.7809</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	7.7000e-004	0.0313	7.6400e-003	3.0000e-005	1.0000e-004	2.0000e-005	1.2000e-004	3.0000e-005	2.0000e-005	5.0000e-005	0.0000	3.0305	3.0305	5.0000e-004	0.0000	3.0430
Worker	1.3700e-003	4.3000e-004	6.2600e-003	0.0000	1.0000e-005	1.0000e-005	2.0000e-005	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.2845	0.2845	3.0000e-005	0.0000	0.2853
<b>Total</b>	<b>2.1400e-003</b>	<b>0.0318</b>	<b>0.0139</b>	<b>3.0000e-005</b>	<b>1.1000e-004</b>	<b>3.0000e-005</b>	<b>1.4000e-004</b>	<b>4.0000e-005</b>	<b>3.0000e-005</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>3.3150</b>	<b>3.3150</b>	<b>5.3000e-004</b>	<b>0.0000</b>	<b>3.3283</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.3665	0.3171	5.4000e-004		0.0181	0.0181		0.0172	0.0172	0.0000	43.6484	43.6484	0.0106	0.0000	43.9130
<b>Total</b>	<b>0.0496</b>	<b>0.3665</b>	<b>0.3171</b>	<b>5.4000e-004</b>		<b>0.0181</b>	<b>0.0181</b>		<b>0.0172</b>	<b>0.0172</b>	<b>0.0000</b>	<b>43.6484</b>	<b>43.6484</b>	<b>0.0106</b>	<b>0.0000</b>	<b>43.9130</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0177	4.1700e-003	2.0000e-005	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.7635	1.7635	2.8000e-004	0.0000	1.7704
Worker	7.4000e-004	2.2000e-004	3.3100e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1619	0.1619	2.0000e-005	0.0000	0.1623
<b>Total</b>	<b>1.1600e-003</b>	<b>0.0180</b>	<b>7.4800e-003</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.9254</b>	<b>1.9254</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.9327</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0496	0.3665	0.3171	5.4000e-004		0.0181	0.0181		0.0172	0.0172	0.0000	43.6483	43.6483	0.0106	0.0000	43.9130
<b>Total</b>	<b>0.0496</b>	<b>0.3665</b>	<b>0.3171</b>	<b>5.4000e-004</b>		<b>0.0181</b>	<b>0.0181</b>		<b>0.0172</b>	<b>0.0172</b>	<b>0.0000</b>	<b>43.6483</b>	<b>43.6483</b>	<b>0.0106</b>	<b>0.0000</b>	<b>43.9130</b>



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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	4.2000e-004	0.0177	4.1700e-003	2.0000e-005	6.0000e-005	1.0000e-005	7.0000e-005	2.0000e-005	1.0000e-005	3.0000e-005	0.0000	1.7635	1.7635	2.8000e-004	0.0000	1.7704
Worker	7.4000e-004	2.2000e-004	3.3100e-003	0.0000	1.0000e-005	1.0000e-005	1.0000e-005	0.0000	0.0000	1.0000e-005	0.0000	0.1619	0.1619	2.0000e-005	0.0000	0.1623
<b>Total</b>	<b>1.1600e-003</b>	<b>0.0180</b>	<b>7.4800e-003</b>	<b>2.0000e-005</b>	<b>7.0000e-005</b>	<b>2.0000e-005</b>	<b>8.0000e-005</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>4.0000e-005</b>	<b>0.0000</b>	<b>1.9254</b>	<b>1.9254</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>1.9327</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6300e-003	0.0363	0.0413	6.0000e-005		1.9500e-003	1.9500e-003		1.8000e-003	1.8000e-003	0.0000	5.4882	5.4882	1.7400e-003	0.0000	5.5317
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.6500e-003</b>	<b>0.0363</b>	<b>0.0413</b>	<b>6.0000e-005</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.4882</b>	<b>5.4882</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.5317</b>

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**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	2.0000e-005	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139	0.0139	0.0000	0.0000	0.0140
<b>Total</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0139</b>	<b>0.0139</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0140</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	3.6300e-003	0.0363	0.0413	6.0000e-005		1.9500e-003	1.9500e-003		1.8000e-003	1.8000e-003	0.0000	5.4882	5.4882	1.7400e-003	0.0000	5.5317
Paving	1.0200e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>4.6500e-003</b>	<b>0.0363</b>	<b>0.0413</b>	<b>6.0000e-005</b>		<b>1.9500e-003</b>	<b>1.9500e-003</b>		<b>1.8000e-003</b>	<b>1.8000e-003</b>	<b>0.0000</b>	<b>5.4882</b>	<b>5.4882</b>	<b>1.7400e-003</b>	<b>0.0000</b>	<b>5.5317</b>

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**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.0000e-005	2.0000e-005	2.8000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0139	0.0139	0.0000	0.0000	0.0140
<b>Total</b>	<b>6.0000e-005</b>	<b>2.0000e-005</b>	<b>2.8000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0139</b>	<b>0.0139</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0140</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.0860</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.9800e-003	3.9800e-003	0.0000	0.0000	3.9900e-003
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9900e-003</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	1.0900e-003	7.6300e-003	9.0900e-003	1.0000e-005		4.7000e-004	4.7000e-004		4.7000e-004	4.7000e-004	0.0000	1.2766	1.2766	9.0000e-005	0.0000	1.2788
<b>Total</b>	<b>0.0860</b>	<b>7.6300e-003</b>	<b>9.0900e-003</b>	<b>1.0000e-005</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>		<b>4.7000e-004</b>	<b>4.7000e-004</b>	<b>0.0000</b>	<b>1.2766</b>	<b>1.2766</b>	<b>9.0000e-005</b>	<b>0.0000</b>	<b>1.2788</b>

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**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.0000e-005	1.0000e-005	8.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	3.9800e-003	3.9800e-003	0.0000	0.0000	3.9900e-003
<b>Total</b>	<b>2.0000e-005</b>	<b>1.0000e-005</b>	<b>8.0000e-005</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9800e-003</b>	<b>3.9800e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>3.9900e-003</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0820	0.4536	1.0727	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5189	356.5189	0.0178	0.0000	356.9645
Unmitigated	0.0820	0.4536	1.0727	3.8600e-003	0.3129	3.1400e-003	0.3160	0.0838	2.9400e-003	0.0868	0.0000	356.5189	356.5189	0.0178	0.0000	356.9645

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Junior College (2Yr)	349.98	142.90	15.40	823,345	823,345
Other Asphalt Surfaces	0.00	0.00	0.00		
Total	349.98	142.90	15.40	823,345	823,345

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Junior College (2Yr)	16.60	8.40	6.90	6.40	88.60	5.00	92	7	1
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Junior College (2Yr)	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925
Other Asphalt Surfaces	0.548858	0.043235	0.200706	0.120309	0.016131	0.005851	0.021034	0.033479	0.002070	0.001877	0.004817	0.000707	0.000925

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**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4483	43.4483	1.7900e-003	3.7000e-004	43.6037
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	43.4483	43.4483	1.7900e-003	3.7000e-004	43.6037
NaturalGas Mitigated	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
NaturalGas Unmitigated	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474

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**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	239328	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0117</b>	<b>9.8500e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.7715</b>	<b>12.7715</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.8474</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Junior College (2Yr)	239328	1.2900e-003	0.0117	9.8500e-003	7.0000e-005		8.9000e-004	8.9000e-004		8.9000e-004	8.9000e-004	0.0000	12.7715	12.7715	2.4000e-004	2.3000e-004	12.8474
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>1.2900e-003</b>	<b>0.0117</b>	<b>9.8500e-003</b>	<b>7.0000e-005</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>		<b>8.9000e-004</b>	<b>8.9000e-004</b>	<b>0.0000</b>	<b>12.7715</b>	<b>12.7715</b>	<b>2.4000e-004</b>	<b>2.3000e-004</b>	<b>12.8474</b>



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**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	136363	43.4483	1.7900e-003	3.7000e-004	43.6037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>43.4483</b>	<b>1.7900e-003</b>	<b>3.7000e-004</b>	<b>43.6037</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Junior College (2Yr)	136363	43.4483	1.7900e-003	3.7000e-004	43.6037
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>43.4483</b>	<b>1.7900e-003</b>	<b>3.7000e-004</b>	<b>43.6037</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
Unmitigated	0.0733	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
<b>Total</b>	<b>0.0733</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2700e-003</b>	<b>1.2700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3500e-003</b>

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**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	8.4900e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0647					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	6.0000e-005	1.0000e-005	6.5000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	1.2700e-003	1.2700e-003	0.0000	0.0000	1.3500e-003
<b>Total</b>	<b>0.0733</b>	<b>1.0000e-005</b>	<b>6.5000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.2700e-003</b>	<b>1.2700e-003</b>	<b>0.0000</b>	<b>0.0000</b>	<b>1.3500e-003</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**

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	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	8.4878	0.0280	7.2000e-004	9.4030
Unmitigated	8.4878	0.0280	7.2000e-004	9.4030

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.848548 / 1.32722	8.4878	0.0280	7.2000e-004	9.4030
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.4878</b>	<b>0.0280</b>	<b>7.2000e-004</b>	<b>9.4030</b>

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**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Junior College (2Yr)	0.848548 / 1.32722	8.4878	0.0280	7.2000e-004	9.4030
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>8.4878</b>	<b>0.0280</b>	<b>7.2000e-004</b>	<b>9.4030</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	4.5653	0.2698	0.0000	11.3103
Unmitigated	4.5653	0.2698	0.0000	11.3103

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**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	22.49	4.5653	0.2698	0.0000	11.3103
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.5653</b>	<b>0.2698</b>	<b>0.0000</b>	<b>11.3103</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Junior College (2Yr)	22.49	4.5653	0.2698	0.0000	11.3103
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>4.5653</b>	<b>0.2698</b>	<b>0.0000</b>	<b>11.3103</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

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**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 46 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: PM\_10

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates PERIOD Averages

\*\*This Run Includes: 46 Source(s); 1 Source Group(s); and 1251 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 46 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with 0 line(s)

\*\*Model Set To Continue RUNning After the Setup Testing.





\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA \*\*\*

Surface file: ..\PerrisADJU\PERI\_V9\_ADJU\PERI\_v9.SFC

Met Version: 16216

Profile file: ..\PerrisADJU\PERI\_V9\_ADJU\PERI\_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171

Upper air station no.: 3190

Name: UNKNOWN

Name: UNKNOWN

Year: 2010

Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD	HT	REF	TA	HT													

10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40	188.	9.1	289.2	5.5
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70	310.	9.1	290.9	5.5
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20	357.	9.1	293.1	5.5
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20	356.	9.1	293.8	5.5
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20	50.	9.1	294.2	5.5
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80	53.	9.1	293.8	5.5
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80	11.	9.1	292.5	5.5
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90	351.	9.1	290.4	5.5
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	186.	9.1	287.5	5.5
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90	275.	9.1	285.9	5.5
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40	181.	9.1	285.4	5.5
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30	318.	9.1	284.9	5.5
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	196.	9.1	283.1	5.5
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	330.	9.1	281.4	5.5
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	332.	9.1	280.9	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
----	----	----	----	--------	---	------	------	---------	--------	--------	--------

10 01 01 01 5.5 0 -999. -99.00 282.6 99.0 -99.00 -99.00

10 01 01 01 9.1 1 335. 1.30 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Users\Public\Desktop\Lakes Environmental\Moreno Valley College\Mo \*\*\* 02/21/19

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM PERIOD ( 43824 HRS) RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID GRID-ID	AVERAGE CONC	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE
ALL UCART1	1ST HIGHEST VALUE IS 382.63322	AT ( 481272.23, 3749575.34, 475.90, 782.90, 0.00) GC
UCART1	2ND HIGHEST VALUE IS 67.62759	AT ( 481272.23, 3749707.43, 473.00, 782.90, 0.00) GC
UCART1	3RD HIGHEST VALUE IS 51.22978	AT ( 481152.58, 3749575.34, 471.20, 782.90, 0.00) GC
UCART1	4TH HIGHEST VALUE IS 30.04443	AT ( 481391.88, 3749575.34, 482.60, 782.90, 0.00) GC
UCART1	5TH HIGHEST VALUE IS 29.89318	AT ( 481358.09, 3749445.76, 480.99, 782.86, 0.00) DC
UCART1	6TH HIGHEST VALUE IS 28.77442	AT ( 481152.58, 3749707.43, 469.50, 782.90, 0.00) GC
UCART1	7TH HIGHEST VALUE IS 28.50350	AT ( 481272.23, 3749443.25, 478.10, 782.90, 0.00) GC
UCART1	8TH HIGHEST VALUE IS 26.56220	AT ( 481381.03, 3749445.76, 481.75, 782.86, 0.00) DC
UCART1	9TH HIGHEST VALUE IS 25.56719	AT ( 481335.15, 3749422.67, 480.54, 782.86, 0.00) DC
UCART1	10TH HIGHEST VALUE IS 24.71571	AT ( 481358.09, 3749422.67, 481.37, 782.86, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\* C:\Users\Public\Desktop\Lakes Environmental\Moreno Valley College\Mo \*\*\* 02/21/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\* 15:40:51

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF PM\_10 IN MICROGRAMS/M\*\*3 \*\*

GROUP ID ZFLAG) OF TYPE GRID-ID	DATE AVERAGE CONC (YYMMDDHH)	NETWORK RECEPTOR (XR, YR, ZELEV, ZHILL,
---------------------------------------	---------------------------------	--

ALL HIGH 1ST HIGH VALUE IS 6196.96324 ON 10020417: AT ( 481272.23, 3749575.34, 475.90, 782.90, 0.00) GC UCART1

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 18081 \*\*\* \*\*\* C:\Users\Public\Desktop\Lakes Environmental\Moreno Valley  
College\Mo \*\*\* 02/21/19

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 15:40:51

PAGE 6

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 4 Warning Message(s)  
A Total of 2028 Informational Message(s)  
  
A Total of 43824 Hours Were Processed  
  
A Total of 978 Calm Hours Identified  
  
A Total of 1050 Missing Hours Identified ( 2.40 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 794 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 794 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101  
MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: All  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 1

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 1  
2<9 Years Bin: 0  
2<16 Years Bin: 0  
16<30 Years Bin: 0  
16 to 70 Years Bin: 0

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
3rd Trimester to 16 years: OFF  
16 years to 70 years: ON

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment. Please see the input file for details.

Tier2 - What was changed: ED or start age changed|

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1CancerRisk.csv

Cancer risk total by receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1CancerRiskSumByRec.csv

Calculating chronic risk

Chronic risk breakdown by pollutant and receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1NCChronicRisk.csv

Chronic risk total by receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1NCChronicRiskSumByRec.csv

Calculating acute risk

Acute risk breakdown by pollutant and receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1NCAcuteRisk.csv

Acute risk total by receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-1NCAcuteRiskSumByRec.csv

HRA ran successfully

GLCs loaded successfully  
Pollutants loaded successfully  
Pathway receptors loaded successfully  
\*\*\*\*\*

RISK SCENARIO SETTINGS

Receptor Type: Resident  
Scenario: Cancer  
Calculation Method: Derived

\*\*\*\*\*

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25  
Total Exposure Duration: 70

Exposure Duration Bin Distribution  
3rd Trimester Bin: 0.25  
0<2 Years Bin: 2  
2<9 Years Bin: 0  
2<16 Years Bin: 14  
16<30 Years Bin: 0  
16 to 70 Years Bin: 54

\*\*\*\*\*

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True  
Soil: True  
Dermal: True  
Mother's milk: True  
Water: False  
Fish: False  
Homegrown crops: False  
Beef: False  
Dairy: False  
Pig: False  
Chicken: False  
Egg: False

\*\*\*\*\*

INHALATION

Daily breathing rate: LongTerm24HR

\*\*Worker Adjustment Factors\*\*

Worker adjustment factors enabled: NO

\*\*Fraction at time at home\*\*  
3rd Trimester to 16 years: OFF  
16 years to 70 years: ON

\*\*\*\*\*  
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.05  
Soil mixing depth (m): 0.01  
Dermal climate: Mixed

\*\*\*\*\*  
TIER 2 SETTINGS  
Tier2 not used.

\*\*\*\*\*

Calculating cancer risk

Cancer risk breakdown by pollutant and receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-70-yr-cancer-burdenCancerRisk.csv  
Cancer risk total by receptor saved to: P:\300.Environmental\11413 Moreno Valley Welcome Center MND\DUDEK WORK PRODUCTS\DOCUMENTS\03 AQGHG\HRA\Moreno Valley College\MORENO VALLEY COLLEGE\hra\Res-70-yr-cancer-burdenCancerRiskSumByRec.csv  
HRA ran successfully



# **APPENDIX B-1**

## *Plant Compendium*

**APPENDIX B-1**  
**List of Plant Species Observed**

---

**EUDICOTS**

**VASCULAR SPECIES**

**ANACARDIACEAE—Sumac Or Cashew Family**

- Schinus molle*—Peruvian peppertree\*
- Schinus terebinthifolius*—Brazilian peppertree\*

**APOCYNACEAE—Dogbane Family**

- Asclepias erosa*—desert milkweed
- Nerium oleander*—oleander\*
- Vinca major*—bigleaf periwinkle\*

**ASTERACEAE—Sunflower Family**

- Ambrosia acanthicarpa*—flatspine bur ragweed
- Ambrosia psilostachya*—western ragweed
- Artemisia californica*—California sagebrush
- Artemisia douglasiana*—Douglas' sagewort
- Baccharis salicifolia*—mulefat
- Encelia farinosa*—brittle bush
- Heterotheca grandiflora*—telegraphweed
- Stephanomeria cichoriacea*—chicoryleaf wirelettuce

**BETULACEAE—Birch Family**

- Alnus rhombifolia*—white alder

**BIGNONIACEAE—Bignonia Family**

- Chilopsis linearis*—desert willow
- Jacaranda mimosifolia*—blue jacaranda\*

**BRASSICACEAE—Mustard Family**

- Brassica nigra*—black mustard\*
- Hirschfeldia incana*—shortpod mustard\*

**CHENOPODIACEAE—Goosefoot Family**

- Salsola tragus*—prickly Russian thistle\*

**FABACEAE—Legume Family**

- Acacia longifolia*—Sydney golden wattle\*
- Albizia julibrissin*—silktree\*
- Parkinsonia florida*—blue palo verde
- Senegalia greggii*—Catclaw acacia thorn

**GERANIACEAE—Geranium Family**

- Erodium cicutarium*—redstem stork's bill\*

## APPENDIX B-1 (Continued)

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### **LAMIACEAE—Mint Family**

*Salvia apiana*—white sage

*Salvia longistyla*—Mexican sage\*

### **LAURACEAE—Laurel Family**

*Cinnamomum camphora*—camphortree\*

### **LINACEAE—Flax Family**

*Liquidambar styraciflua*—sweetgum\*

### **MORACEAE—Mulberry Family**

*Ficus microcarpa*—Chinese banyan\*

### **MYRTACEAE—Myrtle Family**

*Eucalyptus camaldulensis*—river redgum\*

*Melaleuca citrina*—crimson bottlebrush\*

### **PLATANACEAE—Plane Tree, Sycamore Family**

*Platanus racemosa*—California sycamores

### **POLYGONACEAE—Buckwheat Family**

*Brachychiton populneum*—whiteflower kurrajong\*

*Eriogonum fasciculatum*—California buckwheat

### **ROSACEAE—Rose Family**

*Prunus cerasifera*—cherry plum\*

*Pyrus communis*—common pear\*

### **SALICACEAE—Willow Family**

*Salix gooddingii*—black willow

### **SOLANACEAE—Nightshade Family**

*Datura stramonium*—jimsonweed\*

*Nicotiana glauca*—tree tobacco\*

### **TAMARICACEAE—Tamarisk Family**

*Tamarix ramosissima*—tamarisk\*

### **ULMACEAE—Elm Family**

*Ulmus parvifolia*—Chinese elm\*

### **ZYGOPHYLLACEAE—Caltrop Family**

*Larrea tridentata*—creosote bush

## GYMNOSPERMS AND GNETOPHYTES

### VASCULAR SPECIES

**PINACEAE—Pine Family**

*Pinus halepensis*—aleppo pine\*

*Pinus pinea*—Italian stone pine\*

**MONOCOTS**

**VASCULAR SPECIES**

**AGAVACEAE—Agave Family**

*Hesperoyucca whipplei*—chaparral yucca

**ARECACEAE—Palm Family**

*Phoenix dactylifera*—date palm\*

*Syagrus romanzoffiana*—queen palm\*

*Washingtonia filifera*—California fan palm

**POACEAE—Grass Family**

*Bromus diandrus*—ripgut brome\*

*Bromus hordeaceus*—soft brome\*

*Bromus madritensis* ssp. *rubens*—red brome\*

*Cynodon dactylon*—Bermudagrass\*

*Festuca bromoides*—brome fescue\*

*Muhlenbergia rigens*—deer grass beds

**APPENDIX B-2**  
*Wildlife Compendium*

**APPENDIX B-2**  
**List of Wildlife Species Observed**

---

**BIRD**

**FINCHES**

**FRINGILLIDAE—FRINGILLINE & CARDUELINE FINCHES & ALLIES**

*Haemorhous mexicanus*—house finch

*Spinus psaltria*—lesser goldfinch

**HAWKS**

**ACCIPITRIDAE—HAWKS, KITES, EAGLES, & ALLIES**

*Circus hudsonius*—northern harrier

**HERONS & BITTERNs**

**ARDEIDAE—HERONS, BITTERNs, & ALLIES**

*Ardea alba*—great egret

**HUMMINGBIRDS**

**TROCHILIDAE—HUMMINGBIRDS**

*Calypte anna*—Anna's hummingbird

**JAYS, MAGPIES & CROWS**

**CORVIDAE—CROWS & JAYS**

*Corvus brachyrhynchos*—American crow

*Corvus corax*—common raven

**MOCKINGBIRDS & THRASHERS**

**MIMIDAE—MOCKINGBIRDS & THRASHERS**

*Mimus polyglottos*—northern mockingbird

**NEW WORLD QUAIL**

**ODONTOPHORIDAE—NEW WORLD QUAIL**

*Callipepla californica*—California quail

**OWLS**

**STRIGIDAE—TYPICAL OWLS**

*Bubo virginianus*—great horned owl

**PIGEONS & DOVES**

## APPENDIX B-2 (Continued)

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### **COLUMBIDAE—PIGEONS & DOVES**

*Zenaida macroura*—mourning dove

### **ROADRUNNERS & CUCKOOS**

### **CUCULIDAE—CUCKOOS, ROADRUNNERS, & ANIS**

*Geococcyx californianus*—greater roadrunner

### **SWALLOWS**

### **HIRUNDINIDAE—SWALLOWS**

*Petrochelidon pyrrhonota*—cliff swallow

### **WOOD WARBLERS & ALLIES**

### **PARULIDAE—WOOD-WARBLERS**

*Setophaga coronata*—yellow-rumped warbler

### **NEW WORLD SPARROWS**

### **PASSERELLIDAE—NEW WORLD SPARROWS**

*Melospiza melodia*—song sparrow

*Melospiza crissalis*—California towhee

*Zonotrichia leucophrys*—white-crowned sparrow

### **MAMMAL**

#### **CANIDS**

### **CANIDAE—WOLVES & FOXES**

*Canis latrans*—coyote

#### **CATS**

### **FELIDAE—CATS**

*Lynx rufus*—bobcat

#### **DOMESTIC**

### **CANIDAE—WOLVES & FOXES**

*Canis lupus familiaris*—domestic dog\*

#### **HARES & RABBITS**

### **LEPORIDAE—HARES & RABBITS**

*Sylvilagus bachmani*—brush rabbit

## APPENDIX B-2 (Continued)

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### POCKET GOPHERS

#### GEOMYIDAE—POCKET GOPHERS

*Thomomys bottae*—Botta's pocket gopher

### UNGULATES

#### CERVIDAE—DEERS

*Odocoileus hemionus*—mule deer

### RACCOONS

#### PROCYONIDAE—RACCOONS & RELATIVES

*Procyon lotor*—raccoon

### REPTILE

### LIZARDS

#### PHRYNOSOMATIDAE—IGUANID LIZARDS

*Sceloporus occidentalis*—western fence lizard



# **APPENDIX B-3**

## *Special-Status Plants Potential to Occur Table*

**APPENDIX B-3**  
**Special-Status Plants Potential to Occur Table**

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Abronia villosa</i> var. <i>aurita</i>	chaparral sand-verbena	None/None/1B.1	Chaparral, Coastal scrub, Desert dunes; sandy/annual herb/(Jan)Mar–Sep/245–5250	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Allium marvinii</i>	Yucaipa onion	None/None/1B.2	Chaparral (clay, openings)/perennial bulbiferous herb/Apr–May/2490–3495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Allium munzii</i>	Munz's onion	FE/ST/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Pinyon and juniper woodland, Valley and foothill grassland; mesic, clay/perennial bulbiferous herb/Mar–May/970–3510	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Arenaria paludicola</i>	marsh sandwort	FE/SE/1B.1	Marshes and swamps (freshwater or brackish); sandy, openings/perennial stoloniferous herb/May–Aug/5–560	Not expected to occur. No suitable habitat present on the project site.
<i>Astragalus hornii</i> var. <i>hornii</i>	Horn's milk-vetch	None/None/1B.1	Meadows and seeps, Playas; lake margins, alkaline/annual herb/May–Oct/195–2790	Not expected to occur. No suitable habitat present on the project site.
<i>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's bush milk-vetch	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky/perennial shrub/Dec–June/1195–3200	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Atriplex coronata</i> var. <i>notatior</i>	San Jacinto Valley crownscale	FE/None/1B.1	Playas, Valley and foothill grassland (mesic), Vernal pools; alkaline/annual herb/Apr–Aug/455–1640	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Atriplex pacifica</i>	South Coast saltscale	None/None/1B.2	Coastal bluff scrub, Coastal dunes, Coastal scrub, Playas/annual herb/Mar–Oct/0–460	Not expected to occur. No suitable habitat present on the project site.
<i>Atriplex parishii</i>	Parish's brittlescale	None/None/1B.1	Chenopod scrub, Playas, Vernal pools; alkaline/annual herb/June–Oct/80–6235	Not expected to occur. No suitable habitat present on the project site.
<i>Atriplex serenana</i> var. <i> davidsonii</i>	Davidson's saltscale	None/None/1B.2	Coastal bluff scrub, Coastal scrub; alkaline/annual herb/Apr–Oct/30–655	Not expected to occur. No suitable habitat present on the project site.
<i>Berberis nevinii</i>	Nevin's barberry	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Riparian scrub; sandy or gravelly/perennial evergreen shrub/(Feb)Mar–June/225–2705	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	FT/SE/1B.1	Chaparral (openings), Cismontane woodland, Coastal scrub, Playas, Valley and foothill grassland, Vernal pools; often clay/perennial bulbiferous herb/Mar–June/80–3675	Not expected to occur. No suitable habitat present on the project site.
<i>Carex comosa</i>	bristly sedge	None/None/2B.1	Coastal prairie, Marshes and swamps (lake margins), Valley and foothill grassland/perennial rhizomatous herb/May–Sep/0–2050	Not expected to occur. No suitable habitat present on the project site.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	None/None/1B.1	Chenopod scrub, Meadows and seeps, Playas, Riparian woodland,	Not expected to occur. No suitable habitat present on the project site.

APPENDIX B-3 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
			Valley and foothill grassland; alkaline/annual herb/Apr-Sep/0-2100	
<i>Chloropyron maritimum ssp. maritimum</i>	salt marsh bird's-beak	FE/SE/1B.2	Coastal dunes, Marshes and swamps (coastal salt)/annual herb (hemiparasitic)/May-Oct(Nov)/0-100	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Chorizanthe parryi var. parryi</i>	Parry's spineflower	None/None/1B.1	Chaparral, Cismontane woodland, Coastal scrub, Valley and foothill grassland; sandy or rocky, openings/annual herb/Apr-June/900-4005	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Chorizanthe polygonoides var. longispina</i>	long-spined spineflower	None/None/1B.2	Chaparral, Coastal scrub, Meadows and seeps, Valley and foothill grassland, Vernal pools; often clay/annual herb/Apr-July/95-5020	Not expected to occur. No suitable habitat present on the project site.
<i>Chorizanthe xanti var. leucotheca</i>	white-bracted spineflower	None/None/1B.2	Coastal scrub (alluvial fans), Mojavean desert scrub, Pinyon and juniper woodland; sandy or gravelly/annual herb/Apr-June/980-3935	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Cuscuta obtusiflora var. glandulosa</i>	Peruvian dodder	None/None/2B.2	Marshes and swamps (freshwater)/annual vine (parasitic)/July-Oct/45-920	Not expected to occur. No suitable habitat present on the project site.
<i>Cylindropuntia californica var. californica</i>	snake cholla	None/None/1B.1	Chaparral, Coastal scrub/perennial stem succulent/Apr-May/95-490	Not expected to occur. No suitable habitat present on the project site.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	FE/SE/1B.1	Chaparral, Cismontane woodland, Coastal scrub (alluvial fan); sandy/annual herb/Apr-June/655-2495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Eriastrum densifolium ssp. sanctorum</i>	Santa Ana River woollystar	FE/SE/1B.1	Chaparral, Coastal scrub (alluvial fan); sandy or gravelly/perennial herb/Apr-Sep/295-2000	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Galium californicum ssp. primum</i>	Alvin Meadow bedstraw	None/None/1B.2	Chaparral, Lower montane coniferous forest; granitic, sandy/perennial herb/May-July/4425-5575	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Helianthus nuttallii ssp. parishii</i>	Los Angeles sunflower	None/None/1A	Marshes and swamps (coastal salt and freshwater)/perennial rhizomatous herb/Aug-Oct/30-5005	Not expected to occur. No suitable habitat present on the project site.
<i>Horkelia cuneata var. puberula</i>	mesa horkelia	None/None/1B.1	Chaparral (maritime), Cismontane woodland, Coastal scrub; sandy or gravelly/perennial herb/Feb-July(Sep)/225-2655	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Imperata brevifolia</i>	California satintail	None/None/2B.1	Chaparral, Coastal scrub, Mojavean desert scrub, Meadows and seeps (often alkali), Riparian scrub; mesic/perennial rhizomatous	Not expected to occur. No suitable habitat present on the project site.

APPENDIX B-3 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
			herb/Sep–May/0–3985	
<i>Lasthenia glabrata ssp. coulteri</i>	Coulter's goldfields	None/None/1B.1	Marshes and swamps (coastal salt), Playas, Vernal pools/annual herb/Feb–June/0–4005	Not expected to occur. No suitable habitat present on the project site.
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	None/None/1B.2	Closed-cone coniferous forest, Chaparral, Cismontane woodland/perennial shrub/Apr–July/1705–4495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Lycium parishii</i>	Parish's desert-thorn	None/None/2B.3	Coastal scrub, Sonoran desert scrub/perennial shrub/Mar–Apr/440–3280	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Malacothamnus parishii</i>	Parish's bush-mallow	None/None/1A	Chaparral, Coastal scrub/perennial deciduous shrub/June–July/1000–1495	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Monardella macrantha ssp. hallii</i>	Hall's monardella	None/None/1B.3	Broadleaved upland forest, Chaparral, Cismontane woodland, Lower montane coniferous forest, Valley and foothill grassland/perennial rhizomatous herb/June–Oct/2395–7200	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Monardella pringlei</i>	Pringle's monardella	None/None/1A	Coastal scrub (sandy)/annual herb/May–June/980–1310	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Nama stenocarpa</i>	mud nama	None/None/2B.2	Marshes and swamps (lake margins, riverbanks)/annual / perennial herb/Jan–July/15–1640	Not expected to occur. No suitable habitat present on the project site.
<i>Nasturtium gambelii</i>	Gambel's water cress	FE/ST/1B.1	Marshes and swamps (freshwater or brackish)/perennial rhizomatous herb/Apr–Oct/15–1085	Not expected to occur. No suitable habitat present on the project site.
<i>Navarretia fossalis</i>	spreading navarretia	FT/None/1B.1	Chenopod scrub, Marshes and swamps (assorted shallow freshwater), Playas, Vernal pools/annual herb/Apr–June/95–2150	Not expected to occur. No suitable habitat present on the project site.

APPENDIX B-3 (Continued)

Scientific Name	Common Name	Status (Federal/State/CRPR)	Primary Habitat Associations/ Life Form/ Blooming Period/ Elevation Range (feet)	Potential to Occur
<i>Ribes divaricatum</i> var. <i>parishii</i>	Parish's gooseberry	None/None/1A	Riparian woodland/perennial deciduous shrub/Feb–Apr/210–985	Not expected to occur. No suitable habitat present on the project site.
<i>Senecio aphanactis</i>	chaparral ragwort	None/None/2B.2	Chaparral, Cismontane woodland, Coastal scrub; sometimes alkaline/annual herb/Jan–Apr(May)/45–2625	Not expected to occur. No suitable habitat present on the project site.
<i>Sidalcea hickmanii</i> ssp. <i>parishii</i>	Parish's checkerbloom	None/SR/1B.2	Chaparral, Cismontane woodland, Lower montane coniferous forest/perennial herb/(May)June–Aug/3280–8200	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Sidalcea neomexicana</i>	salt spring checkerbloom	None/None/2B.2	Chaparral, Coastal scrub, Lower montane coniferous forest, Mojavean desert scrub, Playas; alkaline, mesic/perennial herb/Mar–June/45–5020	Not expected to occur. No suitable habitat present on the project site.
<i>Sphenopholis obtusata</i>	prairie wedge grass	None/None/2B.2	Cismontane woodland, Meadows and seeps; mesic/perennial herb/Apr–July/980–6560	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Streptanthus campestris</i>	southern jewelflower	None/None/1B.3	Chaparral, Lower montane coniferous forest, Pinyon and juniper woodland; rocky/perennial herb/(Apr)May–July/2950–7545	Not expected to occur. The project site is outside of the species' known elevation range and there is no suitable habitat present on the project site.
<i>Symphotrichum defoliatum</i>	San Bernardino aster	None/None/1B.2	Cismontane woodland, Coastal scrub, Lower montane coniferous forest, Meadows and seeps, Marshes and swamps, Valley and foothill grassland (vernally mesic); near ditches, streams, springs/perennial rhizomatous herb/July–Nov/5–6695	Not expected to occur. No suitable habitat present on the project site.
<i>Tortula californica</i>	California screw-moss	None/None/1B.2	Chenopod scrub, Valley and foothill grassland; sandy, soil/moss/N.A./30–4790	Not expected to occur. No suitable habitat present on the project site.
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	None/None/2B.1	Meadows and seeps, Marshes and swamps, Riparian forest, Vernal pools; alkaline/annual herb/May–Sep/15–1425	Not expected to occur. No suitable habitat present on the project site.

**Status Legend:**

FE: Federally listed as endangered  
 FT: Federally listed as threatened  
 FC: Federal Candidate for listing  
 SE: State listed as endangered  
 ST: State listed as threatened

SR: State Rare

CRPR 1A: Plants Presumed Extirpated in California and Either Rare or Extinct Elsewhere  
 CRPR 1B: Plants Rare, Threatened, or Endangered in California and Elsewhere  
 CRPR 2A: Plants Presumed Extirpated in California, But More Common Elsewhere

CRPR 2B: Plants Rare, Threatened, or Endangered in California, But More Common Elsewhere

.1 Seriously threatened in California (over 80% of occurrences threatened / high degree and immediacy of threat)  
 .2 Moderately threatened in California (20-80% occurrences threatened / moderate degree and immediacy of threat)

.3 Not very threatened in California (<20% of occurrences threatened / low degree and immediacy of threat or no current threats known)

# **APPENDIX B-4**

## *Special-Status Wildlife Potential to Occur Table*

**APPENDIX B-4**  
**Special-Status Wildlife Potential to Occur Table**

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Amphibians</i>				
<i>Anaxyrus californicus</i>	arroyo toad	FE/SSC	Semi-arid areas near washes, sandy riverbanks, riparian areas, palm oasis, Joshua tree, mixed chaparral and sagebrush; stream channels for breeding (typically third order); adjacent stream terraces and uplands for foraging and wintering	Not expected to occur. No suitable habitat is present on the project site.
<i>Lithobates pipiens (native populations only)</i>	northern leopard frog	None/SSC	Adjacent to permanent and semi-permanent water in a range of habitats	Not expected to occur. No suitable habitat is present on the project site.
<i>Spea hammondi</i>	western spadefoot	None/SSC	Primarily grassland and vernal pools, but also in ephemeral wetlands that persist at least 3 weeks in chaparral, coastal scrub, valley-foothill woodlands, pastures, and other agriculture	Not expected to occur. No suitable habitat is present on the project site.
<i>Taricha torosa (Monterey Co. south only)</i>	California newt	None/SSC	Wet forests, oak forests, chaparral, and rolling grassland	Not expected to occur. No suitable habitat is present on the project site.
<i>Reptiles</i>				
<i>Actinemys marmorata</i>	western pond turtle	None/SSC	Slow-moving permanent or intermittent streams, ponds, small lakes, and reservoirs with emergent basking sites; adjacent uplands used for nesting and during winter	Not expected to occur. No suitable habitat is present on the project site.
<i>Anniella stebbinsi</i>	southern California legless lizard	None/SSC	Coastal dunes, stabilized dunes, beaches, dry washes, valley-foothill, chaparral, and scrubs; pine, oak, and riparian woodlands; associated with sparse vegetation and moist sandy or loose, loamy soils	Not expected to occur. No suitable habitat is present on the project site.
<i>Arizona elegans occidentalis</i>	California glossy snake	None/SSC	Commonly occurs in desert regions throughout southern California. Prefers open sandy areas with scattered brush. Also found in rocky areas.	Not expected to occur. No suitable habitat is present on the project site.
<i>Aspidoscelis tigris stejnegeri</i>	San Diegan tiger whiptail	None/SSC	Hot and dry areas with sparse foliage, including chaparral, woodland, and riparian areas.	Not expected to occur. No suitable habitat is present on the project site.
<i>Chelonia mydas</i>	green sea turtle	FT/None	Shallow waters of lagoons, bays, estuaries, mangroves, eelgrass, and seaweed beds	Not expected to occur. No suitable habitat is present on the project site.
<i>Crotalus ruber</i>	red diamondback rattlesnake	None/SSC	Coastal scrub, chaparral, oak and pine woodlands, rocky grasslands, cultivated areas, and desert flats	Not expected to occur. No suitable habitat is present on the project site.
<i>Phrynosoma blainvillii</i>	Blainville's horned lizard	None/SSC	Open areas of sandy soil in valleys, foothills, and semi-arid mountains including coastal scrub, chaparral, valley-foothill hardwood, conifer, riparian, pine-cypress, juniper, and annual grassland habitats	Not expected to occur. No suitable habitat is present on the project site.
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake	None/SSC	Brushy or shrubby vegetation; requires small mammal burrows for refuge and overwintering sites	Not expected to occur. No suitable habitat is present on the project site.

**APPENDIX B-4 (Continued)**

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Thamnophis hammondi</i>	two-striped gartersnake	None/SSC	Streams, creeks, pools, streams with rocky beds, ponds, lakes, vernal pools	Not expected to occur. No suitable habitat is present on the project site.
<i>Birds</i>				
<i>Agelaius tricolor (nesting colony)</i>	tricolored blackbird	BCC/PSE, SSC	Nests near freshwater, emergent wetland with cattails or tules, but also in Himalayan blackberry; forages in grasslands, woodland, and agriculture	Not expected to occur. No suitable habitat is present on the project site.
<i>Ammodramus savannarum (nesting)</i>	grasshopper sparrow	None/SSC	Nests and forages in moderately open grassland with tall forbs or scattered shrubs used for perches	Not expected to occur. No suitable habitat is present on the project site.
<i>Aquila chrysaetos (nesting &amp; wintering)</i>	golden eagle	BCC/FP, WL	Nests and winters in hilly, open/semi-open areas, including shrublands, grasslands, pastures, riparian areas, mountainous canyon land, open desert rimrock terrain; nests in large trees and on cliffs in open areas and forages in open habitats	Not expected to occur. No suitable habitat is present on the project site.
<i>Asio otus (nesting)</i>	long-eared owl	None/SSC	Nests in riparian habitat, live oak thickets, other dense stands of trees, edges of coniferous forest; forages in nearby open habitats	Not expected to occur. No suitable habitat is present on the project site.
<i>Athene cunicularia (burrow sites &amp; some wintering sites)</i>	burrowing owl	BCC/SSC	Nests and forages in grassland, open scrub, and agriculture, particularly with ground squirrel burrows	Not expected to occur. No suitable habitat is present on the project site.
<i>Buteo swainsoni (nesting)</i>	Swainson's hawk	BCC/ST	Nests in open woodland and savanna, riparian, and in isolated large trees; forages in nearby grasslands and agricultural areas such as wheat and alfalfa fields and pasture	Not expected to occur. No suitable habitat is present on the project site.
<i>Campylorhynchus brunneicapillus sandiegensis (San Diego &amp; Orange Counties only)</i>	coastal cactus wren	BCC/SSC	Southern cactus scrub patches	Not expected to occur. No suitable habitat is present on the project site.
<i>Charadrius alexandrinus nivosus (nesting)</i>	western snowy plover	FT, BCC/SSC	On coasts nests on sandy marine and estuarine shores; in the interior nests on sandy, barren or sparsely vegetated flats near saline or alkaline lakes, reservoirs, and ponds	Not expected to occur. No suitable habitat is present on the project site.
<i>Coccyzus americanus occidentalis (nesting)</i>	western yellow-billed cuckoo	FT, BCC/SE	Nests in dense, wide riparian woodlands and forest with well-developed understories	Not expected to occur. No suitable habitat is present on the project site.
<i>Coturnicops noveboracensis</i>	yellow rail	BCC/SSC	Nesting requires wet marsh/sedge meadows or coastal marshes with wet soil and shallow, standing water	Not expected to occur. No suitable habitat is present on the project site.
<i>Elanus leucurus (nesting)</i>	white-tailed kite	None/FP	Nests in woodland, riparian, and individual trees near open lands; forages opportunistically in grassland, meadows, scrubs, agriculture, emergent wetland, savanna, and disturbed lands	Not expected to occur. No suitable habitat is present on the project site.



APPENDIX B-4 (Continued)

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Empidonax traillii extimus (nesting)</i>	southwestern willow flycatcher	FE/SE	Nests in dense riparian habitats along streams, reservoirs, or wetlands; uses variety of riparian and shrubland habitats during migration	Not expected to occur. No suitable habitat is present on the project site.
<i>Falco peregrinus anatum (nesting)</i>	American peregrine falcon	FDL, BCC/SDL, FP	Nests on cliffs, buildings, and bridges; forages in wetlands, riparian, meadows, croplands, especially where waterfowl are present	Not expected to occur. No suitable habitat is present on the project site.
<i>Haliaeetus leucocephalus (nesting &amp; wintering)</i>	bald eagle	FDL, BCC/SE, FP	Nests in forested areas adjacent to large bodies of water, including seacoasts, rivers, swamps, large lakes; winters near large bodies of water in lowlands and mountains	Not expected to occur. No suitable habitat is present on the project site.
<i>Icteria virens (nesting)</i>	yellow-breasted chat	None/SSC	Nests and forages in dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush	Not expected to occur. No suitable habitat is present on the project site.
<i>Laterallus jamaicensis coturniculus</i>	California black rail	BCC/ST, FP	Tidal marshes, shallow freshwater margins, wet meadows, and flooded grassy vegetation; suitable habitats are often supplied by canal leakage in Sierra Nevada foothill populations	Not expected to occur. No suitable habitat is present on the project site.
<i>Passerculus sandwichensis beldingi</i>	Belding's savannah sparrow	None/SE	Nests and forages in coastal saltmarsh dominated by pickleweed ( <i>Salicornia</i> spp.)	Not expected to occur. No suitable habitat is present on the project site.
<i>Polioptila californica californica</i>	coastal California gnatcatcher	FT/SSC	Nests and forages in various sage scrub communities, often dominated by California sagebrush and buckwheat; generally avoids nesting in areas with a slope of greater than 40%; majority of nesting at less than 1,000 feet above mean sea level	Not expected to occur. No suitable habitat is present on the project site.
<i>Rallus obsoletus levipes</i>	Ridgway's rail	FE/SE, FP	Coastal wetlands, brackish areas, coastal saline emergent wetlands	Not expected to occur. No suitable habitat is present on the project site.
<i>Riparia riparia (nesting)</i>	bank swallow	None/ST	Nests in riparian, lacustrine, and coastal areas with vertical banks, bluffs, and cliffs with sandy soils; open country and water during migration	Not expected to occur. No suitable habitat is present on the project site.
<i>Rynchops niger (nesting colony)</i>	black skimmer	BCC/SSC	Nests on barrier beaches, shell banks, spoil islands, and saltmarsh; forages over open water; roosts on sandy beaches and gravel bars	Not expected to occur. No suitable habitat is present on the project site.
<i>Setophaga petechia (nesting)</i>	yellow warbler	BCC/SSC	Nests and forages in riparian and oak woodlands, montane chaparral, open ponderosa pine, and mixed-conifer habitats	Not expected to occur. No suitable habitat is present on the project site.
<i>Sternula antillarum browni (nesting colony)</i>	California least tern	FE/SE, FP	Forages in shallow estuaries and lagoons; nests on sandy beaches or exposed tidal flats	Not expected to occur. No suitable habitat is present on the project site.
<i>Vireo bellii pusillus (nesting)</i>	least Bell's vireo	FE/SE	Nests and forages in low, dense riparian thickets along water or along dry parts of intermittent streams; forages in riparian and	Not expected to occur. No suitable habitat is present on the project site.

**APPENDIX B-4 (Continued)**

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
			adjacent shrubland late in nesting season	
<i>Fish</i>				
<i>Catostomus santaanae</i>	Santa Ana sucker	FT/None	Small, shallow, cool, clear streams less than 7 meters (23 feet) in width and a few centimeters to more than a meter (1.5 inches to more than 3 feet) in depth; substrates are generally coarse gravel, rubble, and boulder	Not expected to occur. No suitable habitat is present on the project site.
<i>Rhinichthys osculus ssp. 3</i>	Santa Ana speckled dace	None/SSC	Headwaters of the Santa Ana and San Gabriel Rivers; may be extirpated from the Los Angeles River system	Not expected to occur. No suitable habitat is present on the project site.
<i>Mammals</i>				
<i>Antrozous pallidus</i>	pallid bat	None/SSC	Grasslands, shrublands, woodlands, forests; most common in open, dry habitats with rocky outcrops for roosting, but also roosts in man-made structures and trees	Not expected to occur. No suitable habitat is present on the project site.
<i>Chaetodipus fallax fallax</i>	northwestern San Diego pocket mouse	None/SSC	Coastal scrub, mixed chaparral, sagebrush, desert wash, desert scrub, desert succulent shrub, pinyon-juniper, and annual grassland	Not expected to occur. No suitable habitat is present on the project site.
<i>Choeronycteris mexicana</i>	Mexican long-tongued bat	None/SSC	Desert and montane riparian, desert succulent scrub, desert scrub, and pinyon-juniper woodland; roosts in caves, mines, and buildings	Not expected to occur. No suitable habitat is present on the project site.
<i>Eumops perotis californicus</i>	western mastiff bat	None/SSC	Chaparral, coastal and desert scrub, coniferous and deciduous forest and woodland; roosts in crevices in rocky canyons and cliffs where the canyon or cliff is vertical or nearly vertical, trees, and tunnels	Not expected to occur. No suitable habitat is present on the project site.
<i>Lasiurus xanthinus</i>	western yellow bat	None/SSC	Valley-foothill riparian, desert riparian, desert wash, and palm oasis habitats; below 2,000 feet above mean sea level; roosts in riparian and palms	Not expected to occur. No suitable habitat is present on the project site.
<i>Microtus californicus stephensi</i>	south coast marsh vole	None/SSC	Tidal marshes	Not expected to occur. No suitable habitat is present on the project site.
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	None/SSC	Coastal scrub, desert scrub, chaparral, cacti, rocky areas	Not expected to occur. No suitable habitat is present on the project site.
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	None/SSC	Pinyon-juniper woodlands, desert scrub, desert succulent shrub, desert riparian, desert wash, alkali desert scrub, Joshua tree, and palm oases; roosts in high cliffs or rock outcrops with drop-offs, caverns, and buildings	Not expected to occur. No suitable habitat is present on the project site.
<i>Nyctinomops macrotis</i>	big free-tailed bat	None/SSC	Rocky areas; roosts in caves, holes in trees, buildings, and crevices on cliffs and rocky outcrops; forages over water	Not expected to occur. No suitable habitat is present on the project site.

**APPENDIX B-4 (Continued)**

Scientific Name	Common Name	Status (Federal/State)	Habitat	Potential to Occur
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	None/SSC	Grassland and sparse coastal scrub	Not expected to occur. No suitable habitat is present on the project site.
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	FE/SSC	fine-grained sandy substrates in open coastal strand, coastal dunes, and river alluvium	Not expected to occur. No suitable habitat is present on the project site.
<i>Sorex ornatus salicornicus</i>	southern California saltmarsh shrew	None/SSC	Saltmarsh, saltgrass, dense willow, bulrush	Not expected to occur. No suitable habitat is present on the project site.
<i>Taxidea taxus</i>	American badger	None/SSC	Dry, open, treeless areas; grasslands, coastal scrub, agriculture, and pastures, especially with friable soils	Not expected to occur. No suitable habitat is present on the project site.
<i>Invertebrates</i>				
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable habitat is present on the project site.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	FE/None	Vernal pools, non-vegetated ephemeral pools	Not expected to occur. No suitable habitat is present on the project site.

**Status Legend:**  
 FE: Federally Endangered  
 FT: Federally Threatened  
 PFE: Proposed Federally Endangered  
 PFT: Proposed Federally Threatened  
 FC: Federal Candidate  
 FDL: Federally Delisted  
 BCC: U.S. Fish and Wildlife Service Bird of Conservation Concern  
 BLM: Bureau of Land Management Sensitive Species  
 USFS: U.S. Forest Service Sensitive Species  
 SSC: California Species of Special Concern  
 FP: California Fully Protected Species  
 WL: California Watch List Species  
 SE: State Endangered  
 ST: State Threatened  
 PSE: Proposed State Endangered  
 PST: Proposed State Threatened  
 SDL: State Delisted  
 SS: List Special Animals List, but no other status

**APPENDIX C**  
*Cultural Resources Inventory Report*

# CULTURAL RESOURCES INVENTORY REPORT FOR THE MORENO VALLEY COLLEGE WELCOME CENTER PROJECT

CITY OF MORENO VALLEY, RIVERSIDE  
COUNTY, CALIFORNIA

PREPARED FOR:

## **RIVERSIDE COMMUNITY COLLEGE DISTRICT**

Bart Doering, Facilities Development Director

3801 Market Street

Riverside, California 92501

PREPARED BY:

Erica Nicolay, MA; Linda Kry, BA; Matthew DeCarlo, MA; and Micah Hale, PhD, RPA

**DUDEK**

38 North Marengo Avenue

Pasadena, California 91101

DECEMBER 2018



## NATIONAL ARCHAEOLOGICAL DATABASE INFORMATION

<b>Authors:</b>	Erica Nicolay, MA; Linda Kry, BA; Matthew DeCarlo, MA; and Micah Hale, PhD, RPA
<b>Firm:</b>	Dudek
<b>Project Proponent:</b>	Riverside Community College District
<b>Report Date:</b>	December 2018
<b>Report Title:</b>	Cultural Resources Report for the Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California
<b>Type of Study:</b>	Cultural Resources Inventory, Pedestrian Survey
<b>New Resources:</b>	N/A
<b>Updated Sites:</b>	N/A
<b>USGS Quads:</b>	Sunnymead 7.5' T3S/R3W Section 28
<b>Acreage:</b>	4.39
<b>Permit Numbers:</b>	N/A
<b>Keywords:</b>	California Environmental Quality Act (CEQA); City of Moreno Valley; cultural resources inventory, pedestrian survey; negative results

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## EXECUTIVE SUMMARY

Dudek was retained by the Riverside Community College District (District) to prepare a cultural resource technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley (City), Riverside County, California. The District is proposing the construction of an approximately 17,500-square-foot student services building on approximately 0.95 acres within the southwestern portion of the Moreno Valley College campus. Additionally, areas immediately surrounding the proposed project site, encompassing approximately 4.39 acres, within the campus may be temporarily disturbed (areas of temporary impact). For the purposes of this report, the proposed project site and areas of temporary impact will collectively be referred to as the study area. The District is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). All cultural resources fieldwork and reporting for this project has been conducted by archaeologists meeting the Secretary of the Interior's Professional Qualifications Standards. This study included the following components: (1) a California Historical Resources Information System (CHRIS) records search covering the study area plus a 1-mile radius at the Eastern Information Center (EIC), (2) a review of the California Native American Heritage Commission's (NAHC's) Sacred Lands File (SLF), (3) Native American outreach, (4) an intensive pedestrian survey of the study area for cultural resources, and (5) findings and recommendations.

This study is compliant with California Public Resources Code (PRC) Section 5024.1, Sections 21083.2 and 21084.1 of CEQA (PRC Section 21000 et seq.), and Section 15064.5 of the CEQA Guidelines (14 CCR Section 15000 et seq.).

On November 13, 2018, Dudek completed a records search for the study area and a surrounding 1.0-mile search buffer from the EIC. On December 6, 2018, a response letter dated December 5, 2018, was received via email from the NAHC stating that the results of the SLF search did not identify the presence of Native American cultural resources in the study area. The NAHC also provided a list of nine Native American groups and/or individuals who may have knowledge of cultural resources in or near the study area. On December 10, 2018, Dudek sent letters to all groups and/or individuals identified by the NAHC. To date, no responses have been received in connection with tribal outreach efforts.

No cultural resources were identified within the study area as a result of the CHRIS records search; though one cultural resource was mapped directly adjacent to the study area, and several prehistoric sites are mapped within the 1.0-mile search buffer. All of the sites located within the record search area are bedrock milling stations.

No cultural resources were identified during the intensive-level survey of the study area. The study area has been extensively developed, and very little native soils were visibly present. No additional cultural work is recommended for the proposed project beyond standard protection measures for unanticipated discoveries of archaeological resources and human remains (Chapter 6).

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## ACRONYMS AND ABBREVIATIONS

AB	Assembly Bill
CEQA	California Environmental Quality Act
CHRIS	California Historical Resources Information System
City	City of Moreno Valley
CRHR	California Register of Historical Resources
District	Riverside Community College District
EIC	Eastern Information Center
MLD	most likely descendant
NAHC	Native American Heritage Commission
PRC	Public Resources Code
proposed project	proposed Moreno Valley College Welcome Center
SLC	Sacred Lands File
TCR	tribal cultural resource

## APPENDICES

A	Eastern Information Center Records Search Results (CONFIDENTIAL)
B	Native American Coordination Documentation

# 1 INTRODUCTION

Dudek was retained by the Riverside Community College District (District) to prepare a cultural resource technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley (City), Riverside County, California. The District is proposing the construction of an approximately 17,500-square-foot student services within the southwestern portion of the Moreno Valley College campus. In addition, areas immediately surrounding the proposed project site, encompassing approximately 4.39 acres, within the campus may be temporarily disturbed (areas of temporary impact). For the purposes of this report, the proposed project site and areas of temporary impact will collectively be referred to as the study area. The District is the lead agency responsible for compliance with the California Environmental Quality Act (CEQA). All cultural resource fieldwork and reporting for this project has been conducted by archaeologists meeting the Secretary of the Interior’s Professional Qualifications Standards. This study included the following components: (1) a California Historical Resources Information System (CHRIS) records search covering the study area plus a 1-mile radius at the Eastern Information Center (EIC), (2) a review of the California Native American Heritage Commission’s (NAHC’s) Sacred Lands File (SLF), (3) Native American outreach, (4) an intensive pedestrian survey of the project site for cultural resources, and (5) findings and recommendations.

This study is compliant with California Public Resources Code (PRC) Section 5024.1, Sections 21083.2 and 21084.1 of CEQA (PRC Section 21000 et seq.), and Section 15064.5 of the CEQA Guidelines (14 CCR Section 15000 et seq.).

## 1.1 Project Location

The proposed project is located at 16130 Lasselle Street on the campus of Moreno Valley College, in the southern portion of the City in the northwestern portion of Riverside County (Figure 1). The proposed project is within Section 28 of the public land survey system Township 3 South, Range 3 West as shown on the Sunnymead, California 7.5-minute U.S. Geological Survey Quadrangle (Figure 2). The proposed project would be constructed on a 0.95-acre project site situated within the southwestern portion of the existing Moreno Valley College. Additional areas immediately surrounding the proposed project site within the campus may be temporarily disturbed (areas of temporary impact) to allow for the connection of underground utilities to the proposed project site. The areas of temporary impact encompasses approximately 4.39 acres and is comprised of portions of landscaped areas, unmaintained natural areas, parking lots, and walkways associated with the college and is bordered on the north by buildings associated with the college, on the east by open land, and on the west and south by a parking lot (Figure 3). Under the existing conditions, the study area consists of an open grass field with several ornamental trees located throughout. A concrete sidewalk traverses through the middle of the proposed project site and connects the main campus area with a parking lot located to the south.

## 1.2 Project Description

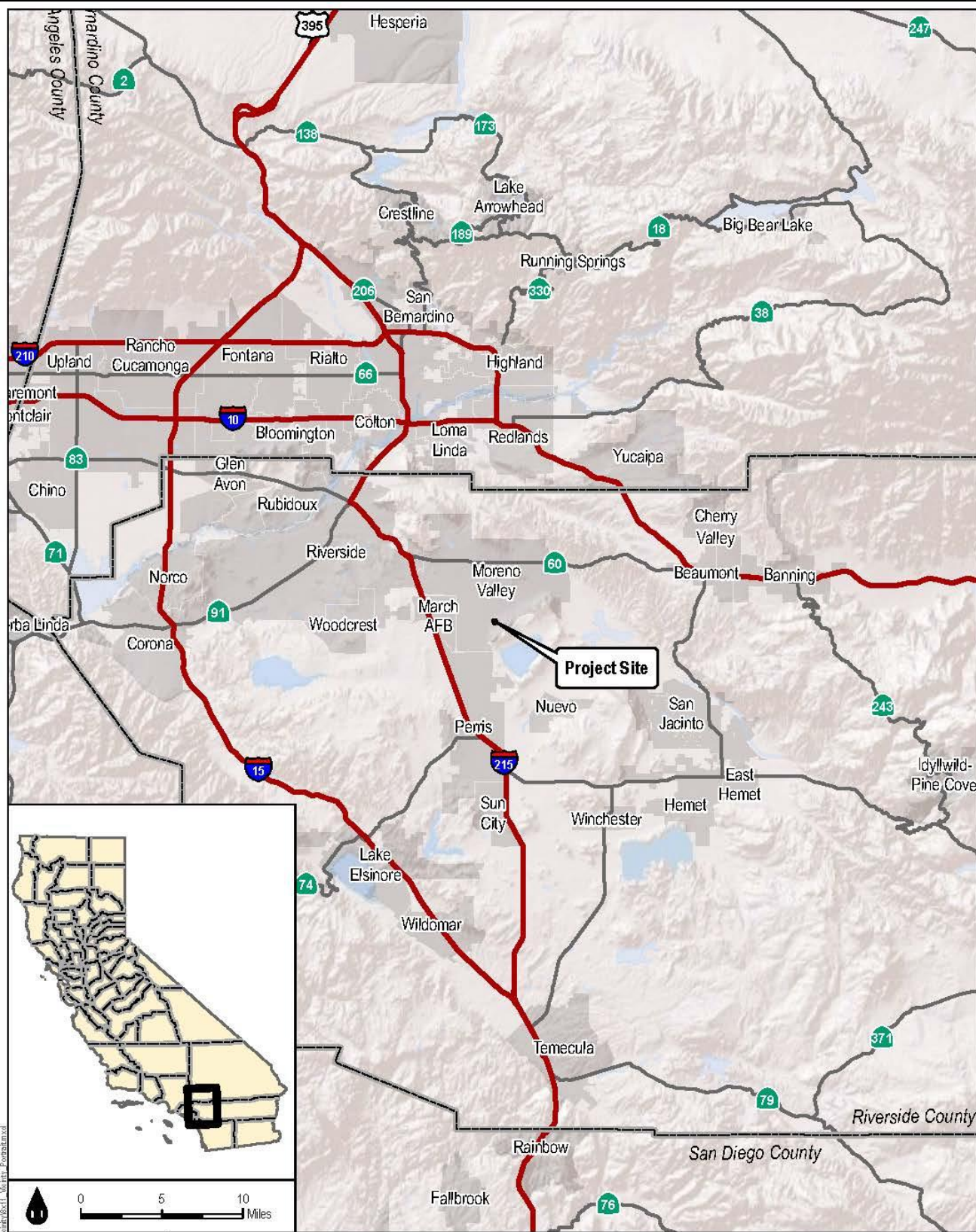
The proposed project includes the construction of an approximately 17,500-square-foot student services building on the southwestern portion of the Moreno Valley College campus. Construction of the campus building would require the removal of an existing landscaped area currently consisting of campus walkways and ornamental landscaping. The proposed project would also require temporary trenching to allow for the connection of underground utilities to the proposed campus building. Once operational, the new campus building would include office spaces, collaboration spaces, private study areas, restrooms, and utility spaces. The proposed project would also include exterior site improvements such as landscaping, stairways, access ramps, and an entry plaza.

## 1.3 Project Personnel

Dudek Archaeologist Erica Nicolay, MA, authored the report, conducted the CHRIS records search and pedestrian survey, and facilitated Native American outreach. Linda Kry, BA, and Matthew DeCarlo, MA, contributed to the report and provided management oversight. This report was reviewed for quality assurance/quality control by Dudek Principal Investigator Micah Hale, PhD, RPA. Dr. Hale meets the Secretary of the Interior's Professional Qualifications Standards for archaeology.



CULTURAL RESOURCES INVENTORY REPORT FOR THE MORENO VALLEY WELCOME CENTER PROJECT  
 CITY OF MORENO VALLEY, RIVERSIDE COUNTY, CALIFORNIA



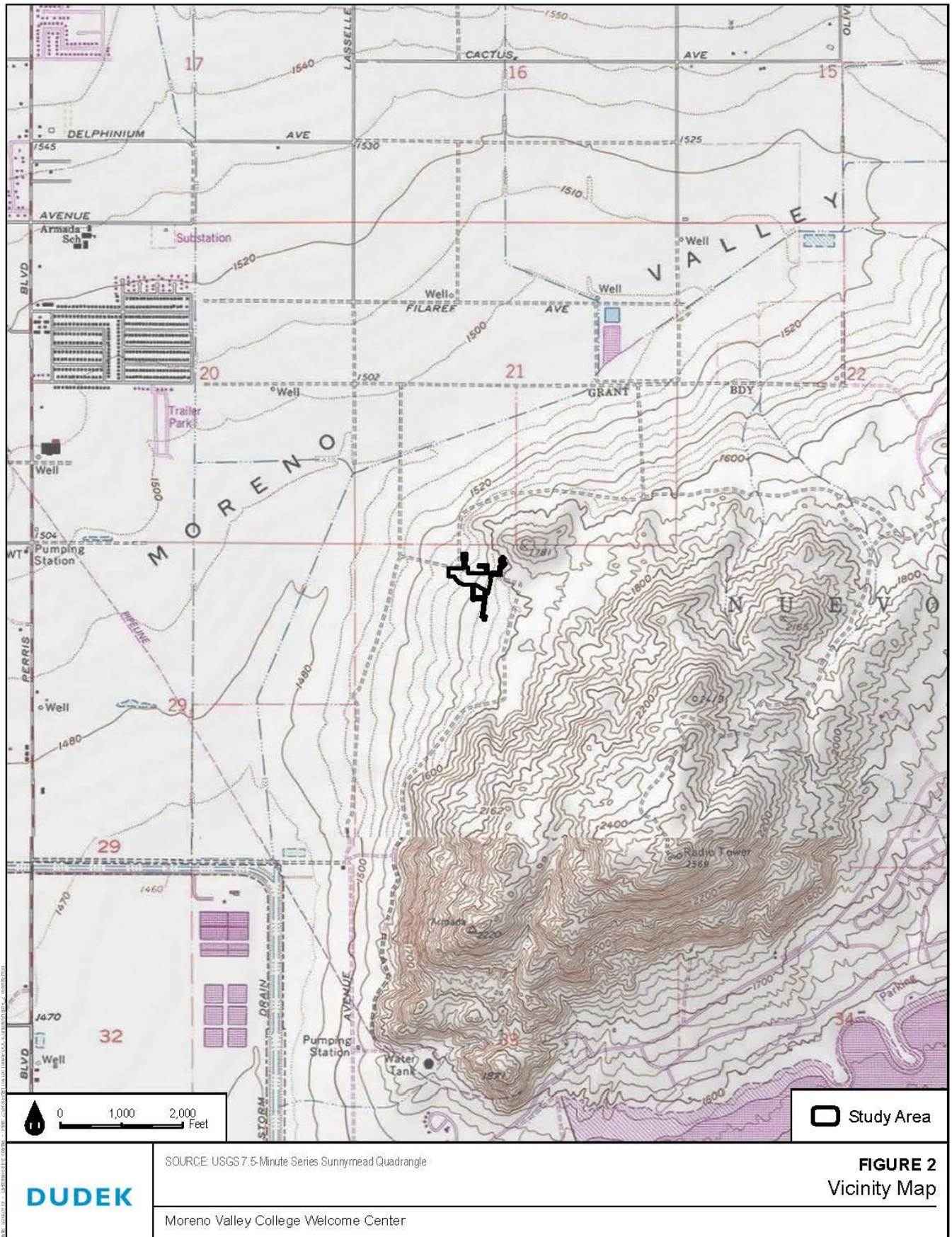
**DUDEK**

**FIGURE 1**  
 Regional Map  
 Moreno Valley College Welcome Center

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CULTURAL RESOURCES INVENTORY REPORT FOR THE MORENO VALLEY WELCOME CENTER PROJECT  
 CITY OF MORENO VALLEY, RIVERSIDE COUNTY, CALIFORNIA



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CULTURAL RESOURCES INVENTORY REPORT FOR THE MORENO VALLEY WELCOME CENTER PROJECT  
 CITY OF MORENO VALLEY, RIVERSIDE COUNTY, CALIFORNIA



SOURCE: Bing Maps 2018

**DUDEK**

Moreno Valley College Welcome Center

**FIGURE 2**  
Aerial

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## 2 REGULATORY SETTING

### 2.1 State

#### California Register of Historical Resources

In California, the term “historical resource” includes, but is not limited to

any object, building, structure, site, area, place, record, or manuscript which is historically or archaeologically significant, or is significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California (PRC Section 5020.1(j)).

In 1992, the California legislature established the California Register of Historical Resources (CRHR) “to be used by state and local agencies, private groups, and citizens to identify the state’s historical resources and to indicate what properties are to be protected, to the extent prudent and feasible, from substantial adverse change” (PRC Section 5024.1(a)). The criteria for listing resources on the CRHR were expressly developed to be in accordance with previously established criteria developed for listing in the NRHP, enumerated as follows. According to PRC Section 5024.1(c)(1–4), a resource is considered historically significant if it (i) retains “substantial integrity” and (ii) meets at least one of the following criteria:

- (1) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage.
- (2) Is associated with the lives of persons important in our past.
- (3) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values.
- (4) Has yielded, or may be likely to yield, information important in prehistory or history.

To understand the historic importance of a resource, sufficient time must have passed to obtain a scholarly perspective on the events or individuals associated with the resource. A resource less than 50 years old may be considered for listing in the CRHR if it can be demonstrated that sufficient time has passed to understand its historical importance (14 CCR 4852(d)(2)).

The CRHR protects cultural resources by requiring evaluations of the significance of prehistoric and historic resources. The criteria for the CRHR are nearly identical to those for the NRHP, and properties listed or formally designated as eligible for listing in the NRHP are automatically listed in the CRHR, as are the state landmarks and points of interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

## California Environmental Quality Act

The following CEQA statutes (PRC Section 21000 et seq.) and CEQA Guidelines (14 CCR 15000 et seq.) are of relevance to the analysis of archaeological, historic, and tribal cultural resources (TCRs):

- PRC Section 21083.2(g) defines “unique archaeological resource.”
- PRC Section 21084.1 and CEQA Guidelines Section 15064.5(a) defines “historical resources.” In addition, CEQA Guidelines Section 15064.5(b) defines the phrase “substantial adverse change in the significance of an historical resource;” it also defines the circumstances when a project would materially impair the significance of a historical resource.
- PRC Section 21074(a) defines “tribal cultural resources.”
- PRC Section 5097.98 and CEQA Guidelines Section 15064.5(e) set forth standards and steps to be employed following the accidental discovery of human remains in any location other than a dedicated ceremony.
- PRC Sections 21083.2(b) and 21083.2(c) and CEQA Guidelines Section 15126.4 provide information regarding the mitigation framework for archaeological and historic resources, including examples of preservation-in-place mitigation measures. Preservation in place is the preferred manner of mitigating impacts to significant archaeological sites because it maintains the relationship between artifacts and the archaeological context and may help avoid conflict with religious or cultural values of groups associated with the archaeological site(s).

More specifically, under CEQA, a project may have a significant effect on the environment if it may cause “a substantial adverse change in the significance of an historical resource” (PRC Section 21084.1; 14 CCR 15064.5(b)).

A “substantial adverse change in the significance of an historical resource” reflecting a significant effect under CEQA means “physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired” (14 CCR 15064.5(b)(1); PRC Section 5020.1(q)). In turn, the significance of a historical resource is materially impaired when a project does any of the following (14 CCR 15064.5(b)(2)):

- (1) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register; or
- (2) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the PRC or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the PRC, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or

- (3) Demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register as determined by a lead agency for purposes of CEQA.

Pursuant to these sections, the CEQA inquiry begins with evaluating whether a project site contains any historical resources, then evaluates whether that project will cause a substantial adverse change in the significance of a historical resource such that the resource's historical significance would be materially impaired.

If it can be demonstrated that a project will cause damage to a unique archaeological resource, the lead agency may require reasonable efforts be made to permit any or all of these resources to be preserved in place or left in an undisturbed state. To the extent that they cannot be left undisturbed, mitigation measures are required (PRC Sections 21083.2(a)–(c)).

Section 21083.2(g) defines a unique archaeological resource as an archaeological artifact, object, or site about which it can be clearly demonstrated that without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria (PRC Section 21083.2(g)):

- (1) Contains information needed to answer important scientific research questions and that there is a demonstrable public interest in that information.
- (2) Has a special and particular quality such as being the oldest of its type or the best available example of its type.
- (3) Is directly associated with a scientifically recognized important prehistoric or historic event or person.

Impacts on non-unique archaeological resources are generally not considered a significant environmental impact (PRC Section 21083.2(a); 14 CCR 15064.5(c)(4)). However, if a non-unique archaeological resource qualifies as a TCR (PRC Sections 21074(c) and 21083.2(h)), further consideration of significant impacts is required.

CEQA Guidelines Section 15064.5 assigns special importance to human remains and specifies procedures to be used when Native American remains are discovered. These procedures are detailed in PRC Section 5097.98.

### **California State Assembly Bill 52**

Assembly Bill (AB) 52 of 2014 amended PRC Section 5097.94 and added PRC Sections 21073, 21074, 21080.3.1, 21080.3.2, 21082.3, 21083.09, 21084.2, and 21084.3. AB 52 established that TCRs must be considered under CEQA and also provided for additional Native American consultation requirements for the lead agency. Section 21074 describes a TCR as a site, feature, place, cultural landscape, sacred place, or object that is considered of cultural value to a California Native American tribe and that is either:

- On or determined to be eligible for the California Register of Historical Resources or a local historic register; or
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1.

AB 52 formalizes the lead agency–tribal consultation process, requiring the lead agency to initiate consultation with California Native American groups that are traditionally and culturally affiliated with the project site, including tribes that may not be federally recognized. Lead agencies are required to begin consultation prior to the release of a negative declaration, mitigated negative declaration, or environmental impact report.

Section 1 (a)(9) of AB 52 establishes that “a substantial adverse change to a tribal cultural resource has a significant effect on the environment.” Effects on TCRs should be considered under CEQA. Section 6 of AB 52 adds Section 21080.3.2 to the PRC, which states that parties may propose mitigation measures “capable of avoiding or substantially lessening potential significant impacts to a tribal cultural resource or alternatives that would avoid significant impacts to a tribal cultural resource.” Further, if a California Native American tribe requests consultation regarding project alternatives, mitigation measures, or significant effects to TCRs, the consultation shall include those topics (PRC Section 21080.3.2(a)). The environmental document and the mitigation monitoring and reporting program (where applicable) shall include any mitigation measures that are adopted (PRC Section 21082.3(a)).

### **California Health and Safety Code Section 7050.5**

California law protects Native American burials, skeletal remains, and associated grave goods, regardless of their antiquity, and provides for the sensitive treatment and disposition of those remains. California Health and Safety Code Section 7050.5 requires that if human remains are discovered in any place other than a dedicated cemetery, no further disturbance or excavation of the site or nearby area reasonably suspected to contain human remains can occur until the county coroner has examined the remains (Health and Safety Code Section 7050.5(b)). PRC Section 5097.98 also outlines the process to be followed in the event that remains are discovered. If the county coroner determines or has reason to believe the remains are those of a Native American, the county coroner must contact the NAHC within 24 hours (Health and Safety Code Section 7050.5(c)). The NAHC will notify the most likely descendant (MLD). With the permission of the landowner, the MLD may inspect the site of discovery. The inspection must be completed within 48 hours of notification of the MLD by the NAHC. The MLD may recommend means of treating or disposing of, with appropriate dignity, the human remains and items associated with Native Americans.

## **2.2 Local**

### **County of Riverside General Plan**

The Land Use Element of the *County of Riverside General Plan* specifies preservation of cultural resources. The policies laid out in this element that pertain to cultural resources include the following (County of Riverside 2013):

**Policy LU 9.1** Provide for permanent preservation of open space lands that contain important natural resources, cultural resources, hazards, water features, watercourses including arroyos and canyons, and scenic and recreational values.



**Policy LU 9.4** Allow development clustering and/or density transfers in order to preserve open space, natural resources, cultural resources, and biologically sensitive resources. Wherever possible, development on parcels containing 100-year floodplains, blue line streams and other higher-order watercourses, and areas of steep slopes adjacent to them shall be clustered to keep development out of watercourse and adjacent steep slope areas, and to be compatible with other nearby land uses.

### **County of Riverside Cultural Resource Review Process**

If deemed necessary by the County of Riverside Planning Department, a Phase I Cultural Resource Review may be required for proposed private development projects within unincorporated Riverside County. These reports should be submitted directly to the office of the county archaeologist.

### **City of Moreno Valley General Plan**

Objective 7.6 of the City’s General Plan states that the City will try to “identify and preserve Moreno Valley’s unique historical and archaeological resources for future generations” (City of Moreno Valley 2006). To achieve this objective, the City laid out five policies, including:

- 7.6.1** Historical, cultural and archaeological resources shall be located and preserved, or mitigated consistent with their intrinsic value.
- 7.6.2** Implement appropriate mitigation measures to conserve cultural resources that are uncovered during excavation and construction activities.
- 7.6.3** Minimize damage to the integrity of historic structures when they are altered.
- 7.6.4** Encourage restoration and adaptive reuse of historical buildings worthy of preservation.
- 7.6.5** Encourage documentation of historic buildings when such buildings must be demolished

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## 3 SETTING

### 3.1 Environmental Setting

The proposed project lies in southern Moreno Valley, approximately 1.8 miles north of the Perris Reservoir and 0.20 miles south of the Moreno Valley Ranch Community Association Lake. The area to the north, west, and south of the study area is largely residential. The study area is located at the foothills of a series of northeast-southwest trending hills within the Lake Perris State Recreation area. Elevations within the study area are approximately 1560 feet above mean sea level. The City is bordered by the Badlands to the east, State Route 215 to the west, Lake Perris State Recreation area to the south, and Box Springs Mountain Reserve Park to the north (City of Moreno Valley 2006). The climate of the area is characterized by warm, dry summers and relatively mild winters. The study area and surrounding vicinity supports chaparral and various scrub communities as well as non-native grassland and ornamental plants (City of Moreno Valley 2006).

### 3.2 Prehistoric Period Overview

Evidence for continuous human occupation in Southern California spans the last 10,000 years. Various attempts to parse out variability in archaeological assemblages over this broad period have led to the development of several cultural chronologies; some of these are based on geologic time, most are based on temporal trends in archaeological assemblages, and others are interpretive reconstructions. Each of these reconstructions describes essentially similar trends in assemblage composition in more or less detail. However, given the direction of research and differential timing of archaeological study following intensive development in Riverside and San Bernardino Counties, chronology building in the Inland Empire must rely on data from neighboring regions to fill the gaps. To be more inclusive, this research employs a common set of generalized terms used to describe chronological trends in assemblage composition: Paleoindian (pre-5500 BC), Archaic (8000 BC to AD 500), Late Prehistoric (AD 500 to 1769), and Ethnohistoric (post-AD 1769).

#### ***Paleoindian Period (pre-5500 BC)***

Evidence for Paleoindian occupation in the region is tenuous. Our knowledge of associated cultural pattern(s) is informed by a relatively sparse body of data that has been collected from within an area extending from coastal San Diego, through the Mojave Desert, and beyond. One of the earliest dated archaeological assemblages in coastal Southern California (excluding the Channel Islands) derives from SDI-4669/W-12 in La Jolla. A human burial from SDI-4669 was radiocarbon dated to 9,920 to 9,590 years before present (95.4% probability) (Hector 2006). The burial is part of a larger site complex that contained more than 29 human burials associated with an assemblage that fits the Archaic profile (i.e., large amounts of ground stone, battered cobbles, and expedient flake tools). In contrast, typical Paleoindian assemblages include large-stemmed projectile points, high proportions of formal lithic tools, bifacial lithic reduction strategies, and relatively small proportions of ground stone tools. Prime examples of this pattern are sites that were studied by Emma Lou Davis (1978) on Naval Air

Weapons Station China Lake near Ridgecrest, California. These sites contained fluted and unfluted stemmed points and large numbers of formal flake tools (e.g., shaped scrapers, blades). Other typical Paleoindian sites include the Komodo site (MNO-679)—a multi-component fluted point site—and MNO-680—a single component Great Basined Stemmed point site (Basgall et al. 2002). At MNO-679 and -680, ground stone tools were rare while finely made projectile points were common.

Warren et al. (2004) claimed that a biface manufacturing tradition present at the Harris site complex (SDI-149) is representative of typical Paleoindian occupation in the San Diego region that possibly dates between 10,365 and 8200 BC (Warren et al. 2004). Termed San Dieguito (see also Rogers 1945), assemblages at the Harris site are qualitatively distinct from most others in the San Diego region because the site has large numbers of finely made bifaces (including projectile points), formal flake tools, a biface reduction trajectory, and relatively small amounts of processing tools (see also Warren 1968). Despite the unique assemblage composition, the definition of San Dieguito as a separate cultural tradition is hotly debated. Gallegos (1987) suggested that the San Dieguito pattern is simply an inland manifestation of a broader economic pattern. Gallegos's interpretation of San Dieguito has been widely accepted in recent years, in part because of the difficulty in distinguishing San Dieguito components from other assemblage constituents. In other words, it is easier to ignore San Dieguito as a distinct socioeconomic pattern than it is to draw it out of mixed assemblages.

The large number of finished bifaces (i.e., projectile points and non-projectile blades), along with large numbers of formal flake tools at the Harris site complex, is very different than nearly all other assemblages throughout the San Diego region, regardless of age. Warren et al. (2004) made this point, tabulating basic assemblage constituents for key Early Holocene sites. Producing finely made bifaces and formal flake tools implies that relatively large amounts of time were spent for tool manufacture. Such a strategy contrasts with the expedient flake-based tools and cobble-core reduction strategy that typifies non-San Dieguito Archaic sites. It can be inferred from the uniquely high degree of San Dieguito assemblage formality that the Harris site complex represents a distinct economic strategy from non-San Dieguito assemblages.

San Dieguito sites are rare in the inland valleys, with one possible candidate, RIV-2798/H, located on the shore of Lake Elsinore. Excavations at Locus B at RIV-2798/H produced a toolkit consisting predominantly of flaked stone tools, including crescents, points, and bifaces, and lesser amounts of ground stone tools, among other items (Grenda 1997). A calibrated and reservoir-corrected radiocarbon date from a shell produced a date of 6630 BC. Grenda suggested this site represents seasonal exploitation of lacustrine resources and small game, and resembles coastal San Dieguito assemblages and spatial patterning.

If San Dieguito truly represents a distinct socioeconomic strategy from the non-San Dieguito Archaic processing regime, its rarity implies that it was not only short-lived, but it was also not as economically successful as the Archaic strategy. Such a conclusion would fit with other trends in Southern California deserts, where hunting-related tools were replaced by processing tools during the Early Holocene (Basgall and Hall 1990).

### ***Archaic Period (8000 BC to AD 500)***

The more than 2,500-year overlap between the presumed age of Paleoindian occupations and the Archaic period highlights the difficulty in defining a cultural chronology in Southern California. If San Dieguito is the only recognized Paleoindian component in coastal Southern California, then the dominance of hunting tools implies that it derives from Great Basin adaptive strategies and is not necessarily a local adaptation. Warren et al. (2004) admitted as much, citing strong desert connections with San Dieguito. Thus, the Archaic pattern is the earliest local socioeconomic adaptation in the region (Hale 2001, 2009).

The Archaic pattern, which has also been termed the Millingstone Horizon (among others), is relatively easy to define with assemblages that consist primarily of processing tools such as millingstones, handstones, battered cobbles, heavy crude scrapers, incipient flake-based tools, and cobble-core reduction. These assemblages occur in all environments across the region with little variability in tool composition. Low assemblage variability over time and space among Archaic sites has been equated with cultural conservatism (Basgall and Hall 1990; Byrd and Reddy 2002; Warren 1968; Warren et al. 2004). Despite enormous amounts of archaeological work at Archaic sites, little change in assemblage composition occurred until the bow and arrow was adopted around AD 500, as well as ceramics at approximately the same time (Griset 1996; Hale 2009). Even then, assemblage formality remained low. After the bow was adopted, small arrow points appear in large quantities, and already low amounts of formal flake tools are replaced by increasing amounts of expedient flake tools. Similarly, shaped millingstones and handstones decreased in proportion relative to expedient, unshaped ground stone tools (Hale 2009). Thus, the terminus of the Archaic period is equally as hard to define as its beginning because basic assemblage constituents and patterns of manufacturing investment remain stable, complemented only by the addition of the bow and ceramics.

### ***Late Prehistoric Period (AD 500 to 1769)***

The period of time following the Archaic and before the Ethnohistoric (AD 1769) is commonly referred to as the Late Prehistoric (Rogers 1945; Wallace 1955; Warren et al. 2004); however, several other subdivisions continue to be used to describe various shifts in assemblage composition. In general, this period is defined by the addition of arrow points and ceramics, as well as the widespread use of bedrock mortars. The fundamental Late Prehistoric assemblage is very similar to the Archaic pattern, but includes arrow points and large quantities of fine debitage from producing arrow points, ceramics, and cremations. The appearance of mortars and pestles is difficult to place in time because most mortars are on bedrock surfaces. Some argue that the Ethnohistoric intensive acorn economy extends as far back as AD 500 (Bean and Shipek 1978). However, there is no substantial evidence that reliance on acorns, and the accompanying use of mortars and pestles, occurred before AD 1400. In Riverside County and the surrounding region, millingstones and handstones persisted in higher frequencies than mortars and pestles until the last 500 years (Basgall and Hall 1990); even then, weighing the economic significance of millingstone–handstone versus mortar–pestle technology is tenuous due to incomplete information on archaeological assemblages.

### ***Ethnohistoric Period (post-AD 1769)***

The history of the Native American communities prior to the mid-1700s has largely been reconstructed through later mission-period and early ethnographic accounts. The first records of the Native American inhabitants of the region come predominantly from European merchants, missionaries, military personnel, and explorers. These brief, and generally peripheral, accounts were prepared with the intent of furthering respective colonial and economic aims and were combined with observations of the landscape. They were not intended to be unbiased accounts regarding the cultural structures and community practices of the newly encountered cultural groups. The establishment of the missions in the region brought more extensive documentation of Native American communities, though these groups did not become the focus of formal and in-depth ethnographic study until the early twentieth century (Bean and Shipek 1978; Boscana 1846; Geiger and Meighan 1976; Harrington 1934; Laylander 2000; Sparkman 1908; White 1963). The principal intent of these researchers was to record the pre-contact, culturally specific practices, ideologies, and languages that had survived the destabilizing effects of missionization and colonialism. This research, often understood as “salvage ethnography,” was driven by the understanding that traditional knowledge was being lost due to the impacts of modernization and cultural assimilation. Alfred Kroeber applied his “memory culture” approach (Lightfoot 2005: 32) by recording languages and oral histories within the region. Ethnographic research by Dubois, Kroeber, Harrington, Spier, and others during the early twentieth century seemed to indicate that traditional cultural practices and beliefs survived among local Native American communities.

It is important to note that even though there were many informants for these early ethnographies who were able to provide information from personal experiences about Native American life before the arrival of Europeans, a significantly large proportion of these informants were born after 1850 (Heizer and Nissen 1973); therefore, the documentation of pre-contact, aboriginal culture was being increasingly supplied by individuals born in California after considerable contact with Europeans. As Robert F. Heizer (1978) stated, this is an important issue to note when examining these ethnographies, since considerable culture change had undoubtedly occurred by 1850 among the Native American survivors of California.

Based on ethnographic information, it is believed that at least 88 different languages were spoken from Baja (lower) California Sur to the southern Oregon border at the time of Spanish contact (Johnson and Lorenz 2006). The distribution of recorded Native American languages has been dispersed as a geographic mosaic across California through six primary language families (Golla 2007).

Victor Golla has contended that one can interpret the amount of variability within specific language groups as being associated with the relative “time depth” of the speaking populations (Golla 2007: 80). A large amount of variation within the language of a group represents a greater time depth than a group’s language with less internal diversity. One method that he has employed is by drawing comparisons with historically documented changes in Germanic and Romantic language groups. He has observed that the “absolute chronology of the internal diversification within a language family” can be correlated with archaeological

dates (Golla 2007: 71). This type of interpretation is modeled on concepts of genetic drift and gene flows that are associated with migration and population isolation in the biological sciences.

The tribes of this area have traditionally spoken Takic languages that may be assigned to the larger Uto–Aztecan family (Golla 2007). These groups include the Gabrielino, Cahuilla, and Serrano. Golla has interpreted the amount of internal diversity within these language-speaking communities to reflect a time depth of approximately 2,000 years. Other researchers have contended that Takic may have diverged from Uto–Aztecan circa 2600 BC to AD 1, which was later followed by the diversification within the Takic speaking tribes, occurring approximately 1500 BC to AD 1000 (Laylander 2014).

The proposed project is located within the area associated with the Gabrielino, a name derived from the association with the San Gabriel Mission, who are also known as the Tongva. According to the archaeological record, they were not the first inhabitants of the Los Angeles basin but displaced indigenous Hokan speakers around 500 BC. The Gabrielino shared boundaries with the Chumash to the west, the Tataviam to the north, Serrano to the northeast, the Cahuilla to the east, and the Luiseño and Juaneño to the southwest (Bean and Smith 1978; Kroeber 1925).

As with many Native American groups, it is difficult to make population estimates for the Gabrielino, although one estimate gives village population ranges between 50 and 200 people for possibly more than 50 or 100 villages (Bean and Smith 1978). The arrival of the Spanish decimated Native American peoples through disease and changed living conditions, leaving few Gabrielinos by the time ethnographic studies were conducted (Bean and Smith 1978). This makes it difficult to make definitive statements about their culture. The tribes of the region were organized into patrilineal clans or bands centered on a chief, each of which had its own territorial land or range where food and other resources were collected at different locations throughout the year. Place-names were assigned to each territory, often reflecting common animals, plants, physical landmarks, or cosmological elements that were understood as being related to that location. Marriages were sometimes arranged by parents or guardians, and chiefs occasionally had multiple wives (Bean and Smith 1978).

Shamanism was a major component in tribal life. Shamans, who derived their power through dreams or visions, served individual villages. They cured illness using a variety of tools and plants. Some locations and natural resources were of cultural significance. Springs and other water-related features were thought to be associated with spirits. These resources, often a component of origin stories, had power that came with a variety of risks and properties to those who became affected by them. Mourning ceremonies were similar throughout the region, generally involving and burning of the deceased's possessions, dancing, and ritual wailing, followed by the burning of the deceased's remaining items a year after death (Bean and Smith 1978).

### 3.3 Historic Period Overview

Post-contact history for the State of California is generally divided into three periods: the Spanish Period (1769 to 1821), Mexican Period (1821 to 1848), and American Period (1848 to present). Although Spanish, Russian, and British explorers visited the area for brief periods between 1529 and 1769, the Spanish Period in California begins with the establishment in 1769 of a settlement at San Diego and the founding of Mission San Diego de Alcalá, the first of 21 missions constructed between 1769 and 1823. Independence from Spain in 1821 marks the beginning of the Mexican Period, and the signing of the Treaty of Guadalupe Hidalgo in 1848, ending the Mexican–American War, signals the beginning of the American Period when California became a territory of the United States.

#### ***Spanish Period (1769 to 1821)***

Spanish explorers made sailing expeditions along the coast of Southern California between the mid-1500s and mid-1700s. In search of the legendary Northwest Passage, Juan Rodríguez Cabrillo stopped in 1542 at present-day San Diego Bay. With his crew, Cabrillo explored the shorelines of present Catalina Island as well as San Pedro and Santa Monica Bays. Much of the present California and Oregon coastline was mapped and recorded in the next half-century by Spanish naval officer Sebastián Vizcaíno. Vizcaíno’s crew also landed on Santa Catalina Island and at San Pedro and Santa Monica Bays, giving each location its long-standing name. The Spanish crown laid claim to California based on the surveys conducted by Cabrillo and Vizcaíno (Bancroft 1885; Gumprecht 1999).

More than 200 years passed before Spain began the colonization and inland exploration of Alta California. The 1769 overland expedition by Captain Gaspar de Portolá marks the beginning of California’s Historic Period, occurring just after the King of Spain installed the Franciscan Order to direct religious and colonization matters in assigned territories of the Americas. With a band of 64 soldiers, missionaries, Baja California Native Americans, and Mexican civilians, Portolá established the Presidio of San Diego—a fortified military outpost—as the first Spanish settlement in Alta California. In July of 1769, while Portolá was exploring Southern California, Franciscan Friar Junípero Serra founded Mission San Diego de Alcalá at Presidio Hill, the first of the 21 missions that would be established in Alta California by the Spanish and the Franciscan Order between 1769 and 1823.

The Mission San Luis Rey de Francia at the Luiseño village of Temecula was included in those 21 missions established by the Spanish and the Franciscan Order. In 1819, the Mission San Luis Rey de Francia granted land to Leandro Serrano, the highest locally appointed official (or “mayordomo”) of San Antonio de Pala Asistencia, for the Mission of San Luis Rey for Rancho Temescal. In 1828, Serrano was elected as the mayordomo of Mission San Juan Capistrano. From around 1819 until his death in 1852, Serrano built and occupied three separate adobe residences in what is now Riverside County. Serrano’s family resided in the third adobe residence until around 1898 (Elderbee 1918).



### ***Mexican Period (1821 to 1848)***

It was in the early 1820s that Spain's grip on its expansive subjugated territories began to unravel, which greatly affected the political and national identity of the Southern California territory. Mexico established its independence from Spain in 1821, secured California as a Mexican territory in 1822, and became a federal republic in 1824. After the Mexican independence and the 1833 confiscation of former Mission lands, Juan B. Alvarado became governor of the territory. In 1836, Governor Alvarado began the process of subdividing what is now Riverside and San Bernardino Counties into large ranchos: Rancho Jurupa in 1838; El Rincon in 1839; Rancho San Jacinto Viejo in 1842; Rancho San Jacinto y San Gorgonio in 1843; Ranchos La Laguna, Pauba, and Temecula in 1844; Ranchos Little Temecula and Potrereros de San Juan Capistrano in 1845; and Ranchos San Jacinto Sobrante, La Sierra (Sepulveda), La Sierra (Yorba), Santa Rosa, and San Jacinto Nuevo y Potrero in 1846 (Fitch 1993). While these ranchos were established in documentation, the cultural and commercial developments of the ranchos were punctuated and generally slow with little oversight or assistance from the government in Mexico. On May 22, 1840, Governor Alvarado granted the "11-league" Rancho Jurupa to Don Juan Bandini (Stonehouse 1965).

In 1843, La Placita de los Trujillos, or "La Placita" (also known as "San Salvador" and regionally nicknamed "Spanish Town"), was established in modern-day Riverside County and has been since recognized as one of the first non-native settlements in the San Bernardino Valley (Brown and Boyd 1922). A group of *genízaro* (Native American slave or servant) colonists from Abiquiú, New Mexico, arrived in the area in the early 1840s (Nostrand 1996). Don Juan Bandini donated a portion of Rancho Jurupa to them on the condition that they would assist in protecting his livestock from Native American raids. Lorenzo Trujillo led 10 of the colonist families to 2,000 acres on the "Bandini Donation" on the southeast bank of the Santa Ana River and formed the village of La Placita. In 1852, the same year that Leandro Serrano died, the Los Angeles County Board of Supervisors established a town called "San Salvador" encompassing a number of small, growing communities in the area initially known as "La Placita." San Salvador was mainly a community of agriculture and animal husbandry until around the late 1860s with the occurrence of "the Great Flood of 1862" and a second flood later in 1886, causing the local population to abandon the immediate area. The area remained largely a ghost town until the recent modern introduction of waste transferal and recycling facilities to the area (Elderbee 1918).

### ***American Period (1848 to Present)***

In the late 1840s and early 1850s—after the arrival of a growing European-descended American and other foreign populations, and the conclusion of the Mexican–American war with the Treaty of Guadalupe Hidalgo—issues concerning land rights immediately ensued with results that often favored newly introduced American interests (Starr 2007; Hale 1888). The California Gold Rush was in full steam by the late 1840s and early 1850s, resulting in a heavy influx of new immigrants from not only across the United States, but also from foreign countries (many from Asia and Latin America). These diverse immigrants changed the dynamics of the local populations. Growth in the region's population was inevitable with the major shifts in the popular social perceptions of potential economic opportunities that California had to

offer during the 1850s. The local population growth was further facilitated by the creation of the Temescal Station of the Butterfield Overland Mail Route in 1857, and the organization of the first Temescal School District (Elderbee 1918).

### 3.4 Local History of the Project Area

#### ***Riverside County***

For a brief time, tin mining was a source of local development in Riverside County. Tin mining had been initiated in the 1850s by Able Stearns, but proved largely unsuccessful; it remained stagnant for years due to litigation disputes that were not settled until 1888 by the U.S. Supreme Court. After the dispute settlement, miners converged on the region, swelling the immediate population while the tin mine enjoyed a 2-year run of operations, closing down for good in 1892 (Elderbee 1918). The growth of the area increased steadily as the economic focus shifted from ranching and animal husbandry to a more fruit orchard/agricultural lifestyle greatly influenced by the region's Mediterranean climate and the introduction of large numbers of honeybees and hives (Elderbee 1918).

In March 1870, John Wesley North issued a circular entitled "A Colony for California" to promote the idea of founding an agriculture-based colony in California. Prospective investors met in Chicago on May 18 of that same year, and the interest expressed led to the formation of the Southern California Colony Association. This success prompted North to head to Los Angeles, where he arrived on May 26, 1870, initially intending to settle the colony there. However, the association directors decided on Rancho Jurupa along the banks of the Santa Ana River, purchasing it from the California Silk Association in August 1870. North then took up residence on site for the purpose of surveying and developing the colony. He envisioned small-scale farmers growing oranges, lemons, figs, walnuts, olives, almonds, grapes, sweet potatoes, sorghum, and sugar beets (Stonehouse 1965). The community was originally called "Yurupa," but the name was changed to "Riverside" in December of 1870 (Stonehouse 1965; Patterson 1971; Wlodarski 1993). The citrus industry increased dramatically during the 1880s, with promotion of the area shifting to focus on the potential wealth to be had through agriculture (California Department of Transportation 2007).

Of particular note is the introduction of the navel orange to the budding California citrus industry. Two navel orange trees from Brazil's Bahia Province were gifted to Eliza Tibbets, one of the founders of Riverside County, by William Saunders, horticulturalist at the U. S. Department of Agriculture. Mrs. Tibbets and her husband, Luther C. Tibbets, brought the trees to the Riverside colony and planted them in 1873. These parent trees produced sweet-tasting seedless fruits, sparking the interest of local farmers and becoming so popular that the fruits from these trees eventually became known as "Riverside Navel." The fruit's popularity helped establish Riverside as a national leader in cultivating oranges. One of the two original parent Washington navel orange trees is still extant, growing near the intersection of Arlington and Magnolia Avenues. It is "mother to millions of navel orange trees the world over;" the tree is designated as California Historical Landmark No. 20 (Hurt 2014).

North originally intended that the colony would build, own, and operate its own irrigation system, but the desert mesa location made such a venture prohibitively expensive. Thus, the Southern California Company Association joined forces with the Silk Center Association to develop the irrigation project. After completing a canal survey, work began in October 1870 to construct a canal 12 feet wide, narrowing to 8 feet at the base, and 3 feet deep (Stonehouse 1965). With continued growth of the area, a second canal was constructed, and by 1878, the Riverside Canal Company was formed; it was superseded in 1886, due to litigation, by the Riverside Water Company (Bailey 1961). Further growth in the region led to construction of a third major canal, called the “Gage Canal,” built between 1882 and 1888 (Guinn 1907; Wlodarski 1993). Development of such a stable water supply bolstered the agricultural industry, helping facilitate the booming citrus industry in Riverside County. By 1895, around 20,000 acres of navel orange groves had been planted, and the citrus industry became the primary economic influence for the region well into the turn of the twentieth century (Guinn 1907). This rapid growth of such a vibrant citrus industry led to Riverside County becoming the wealthiest city per capita in the United States by 1895 (March Field Air Museum 2011). The growing citrus industry was in turn stimulated by another major factor that would strongly influence the cultural development of Riverside County: the advent of the railroad, in particular, the transcontinental railroad.

In the later-nineteenth century, the railroad industry began to connect vast swaths of the country with a rail-line transportation system that had previously required extremely slow travel and often with dangerous travel conditions. The initial rail line developed in the region was the California Southern railroad, around 1882, which then connected with the Santa Fe transcontinental line in 1885. In 1887, C.W. Smith and Fred Ferris of the California Southern Railroad, and J.A. Green, incorporated the Valley Railway to serve the region. The San Jacinto Valley Railroad was constructed the next year, in 1888; it traveled southeast from Perris, then east across the valley, gradually curving northeast to its terminus at San Jacinto (George and Hamilton 2009). With the combination of rail transportation, the packing industry, and cold storage facilities, Riverside County was able to yield over 0.5 million boxes of oranges by 1890 (Wlodarski 1993).

The towns of Winchester and Hemet were quickly established along the San Jacinto Valley Railroad. The railroad connected the eastern part of the valley to Perris, where it met the California Southern Railroad. This ensured transportation of valley products to markets in Los Angeles and San Diego. The Hemet–San Jacinto Growers’ Association Cannery was located adjacent to the railroad; the canned fruit was loaded directly onto railcars for shipment outside of the valley (George and Hamilton 2009). In addition, many of the ranches that were located along the rail line had their own sidings, where the farm products were directly loaded onto the trains. The railroad also provided passenger service to Los Angeles; however, the construction of modern highways in the 1950s lessened the importance of the railroad. Later, the route was taken over by the Atchison, Topeka, and Santa Fe Railroad, and then the Burlington Northern Santa Fe.

During this time in Southern California history, counties were established, and the area known today as Riverside County was established from portions of Los Angeles County and San Diego Counties. In 1853, the eastern part of Los Angeles County was used to create San Bernardino County. Between 1891 and 1893,

several proposals and legislative attempts were put forth to form new counties in Southern California. These proposals included one for a Pomona County and one for a San Jacinto County; however, no proposals were adopted to create Riverside County until the California Board of Commissioners filed the final canvass of the votes and the measure was signed by Governor Henry H. Markham on March 11, 1893.

### ***Moreno Valley***

The City is an amalgamation of three communities: Moreno, Edgemont, and Sunnymead. After four incorporation attempts, the City was officially incorporated on December 3, 1984; though the area was settled long before that. Moreno, which got its name from the Spanish word for brown, was originally planned as an agricultural community, specifically focused on citrus. Frank Brown, a civil engineer and water company owner, built a water pipeline from Bear Valley to the area in 1891, bringing much needed irrigation to the fledgling agricultural town. After the pipeline was finished, major roads were laid out, and the City began to take shape. March Air Field, originally known as Alessandro Aviation Field, was built in 1918 and represents the first major development in the area. The construction of the airfield brought many more people to the community. After the incorporation of the City in 1984, it experienced its first major population increase, growing from 48,000 at the time of incorporation to over 100,000 in 1990 (Ghori 2014). Today, Moreno Valley has a population of just over 200,000 people (Data USA 2018).

### ***Moreno Valley College***

The District began serving the community of Moreno Valley by offering classes housed at March Air Force Base and Moreno Valley High School (RCCD 2013). The number of courses expanded with the community's population, and in October 1985, the Robert C. Warmington Company donated 112 acres for the construction of a college on what is the present day campus (RCCD 2013). In 1989, RCCD purchased 20 additional acres. Construction began in the same year, and the college officially opened in 1991 when four buildings were completed: the Library, the Student Services Building, the Science and Technology Building, and the student center (RCCD 2013). In the following years, the college expanded its facilities, growing from the initial four buildings in 1991 to 40 buildings as of 2015, the majority of which are portable structures (RCCD 2015).

## 4 BACKGROUND RESEARCH

### 4.1 Cultural Resource Records Search

On November 13, 2018, Dudek completed a search of the CHRIS at the EIC, located on the University of California, Riverside, campus of the study area and a 1.0-mile (1,608-meter) search buffer. This search included mapped prehistoric, historical, and built-environment resources; Department of Parks and Recreation site records; technical reports; archival resources; and ethnographic references. The confidential records search results are also provided in Appendix A.

#### ***Previously Conducted Cultural Resources Studies***

The EIC records indicate that 17 previous cultural resources technical investigations have been conducted within 1.0 mile (1,608 meters) of the study area between 1953 and 2012. Of these, two previous studies overlap a portion of the study area; whereas, the remaining 15 are within the 1.0-mile search buffer (Table 1). The overlapping reports are briefly summarized as follows.

**Table 1. Previous Technical Studies Within 1.0 Mile of the Study Area**

EIC Report Number (RI-)	Authors	Year	Title	Proximity to Project Area
00002	Malcolm J. Rogers	1953	Miscellaneous Field Notes - Riverside County. San Diego Museum Of Man	Outside
00133	Thomas F. King, Mary A. Brown, Gerrit Fenenge, and Claudia Nissley	1974	Archaeological Impact Evaluation: Southern California Edison Company's Devers-Vista 220 Kv Transmission Line, Riverside County, California	Outside
00137	James F. O'Connell, Philip J. Wilke, Thomas F. King, and Carol L. Mix	1974	Perris Reservoir Archaeology, Late Prehistoric Demographic Change In Southeastern California	Intersecting
00161	Roberta S. Greenwood	1975	Paleontological, Archaeological, Historical, And Cultural Resources, West Coast-Midwest Pipeline Project, Long Beach To Colorado River	Outside
01665	Wirth Associates	1983	Devers-Serrano-Villa Park Transmission System Supplement To The Cultural Resources Technical Report - Public Review Document And Confidential Appendices	Outside
01843	Scientific Resource Surveys Inc.	1984	Cultural Resource Survey Report On Wolfskill Ranch	Intersecting
01955	Heller, Rod, Tim Tetherow, and C. White	1977	An Overview Of The Sundesert Nuclear Project Transmission System Cultural Resource Investigation	Outside
02160	Drover, C.E.	1987	Letter Report: Archaeological Evaluation Of Potential Hospital Site In Moreno Valley	Outside

**Table 1. Previous Technical Studies Within 1.0 Mile of the Study Area**

EIC Report Number (RI-)	Authors	Year	Title	Proximity to Project Area
02709	Padon, Beth	1990	Moreno Ranch Studies Archaeological Documentation Of Ca-Riv-2994 Moreno Valley, California.	Outside
03604	Carleton S. Jones	1992	The Development Of Cultural Complexity Among The Luiseno: A Thesis Presented To The Department Of Anthropology, California State University, Long Beach In Partial Fulfillment Of The Requirements For The Degree, Master Of Arts	Outside
03693	Foster, John M., James J. Schmidt, Carmen A. Weber, Gwendolyn R. Romani, and Roberta S. Greenwood	1991	Cultural Resource Investigation: Inland Feeder Project, Metropolitan Water District Of Southern California	Outside
04762	Barker, Leo R. And Ann E. Huston, Editors	1990	Death Valley To Deadwood; Kennecott To Cripple Creek. Proceedings Of The Historic Mining Conference, January 23-27, 1989, Death Valley National Monument	Outside
05088	Cultural Systems Research Inc.	2005	Ethnographic Overview Inland Feeder Pipeline Project	Outside
08125	Wayne Bonner and Marnie Aislin-Kay	2008	Letter Report: Cultural Resource Records Search Telecommunications Facility Candidate	Outside
08235	James E. Workman	2001	Cupules A Type Of Petroglyphic Rock Art. A Study Of The Pitted Boulders In The San Jacinto Wildlife Area And The Lake Perris State Recreational Area	Outside
08802	Bai "Tom" Tang, Michael Hogan, Deirdre Encarnacion, and Daniel Ballester	2012	Phase I Archaeological Assessment: Moreno Master Drainage Plan Revision	Outside
09934	Wayne H. Bonner and Marnie Aislin-Kay	2005	Cultural Resource Records Search And Site Visit Results For Cingular Telecommunications Facility Candidate Rs-0058-01 (Riverside Community College), 16130 Lasselle Street, Moreno Valley, Riverside County, California	Outside

RI-00137

Report RI-00137 is an archaeological report prepared by the Archaeological Research Unit of the University of California, Riverside, in 1973. The study included surveys and excavations at the Perris Reservoir. The report was an extensive academic study that with the goal of understanding the nature of prehistoric human adaptation within the region.

RI-01843

Report RI-01843 is a cultural resource survey report on Wolfskill Ranch prepared by Scientific Resource Surveys in 1984. The report was prepared for Douglas Wood and Associates, who was considering the area for future development. The report included an archaeological literature search, records check, and a field survey. A total of 51 resources were identified through the records search, and 20 isolated milling features were recorded as part of the project. None of the archaeological resources were located within the current study area.

**Previously Recorded Cultural Resources**

The EIC records indicate that 17 resources have been recorded within 1.0 mile (1,608 meters) of the study area. No resources have been recorded within the study area, though one has been recorded directly adjacent to the study area (CA-RIV-000535). All 17 resources consist of bedrock milling stations (Table 2).

**Table 2. Previously Recorded Cultural Resources Within 1.0 Mile of the Study Area**

Primary Number (P-33-)	Trinomial (CA-RIV-)	Period	NRHP Eligibility	Record By and Year	Descriptions	Proximity To Project Area
000530	000530	Prehistoric	Not evaluated	1972 (Terry Ambrose, n/a); 1983 (Jackie Desautels, Scientific Resources Surveys Inc.); 1988 (Beth Padon/Pat Jertberg, LSA Associates Inc.)	Bedrock milling station with one milling slicks	Outside
000531	000531	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (J. Desautels, Scientific Resource Surveys Inc.); 1988 (Beth Padon/ Pat Jertberg, LSA Associates)	Bedrock milling station with three milling slicks	Outside
000532	000532	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU)	Bedrock milling station with several milling slicks	Outside
000533	000533	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys Inc.)	Bedrock milling station with one milling slick	Outside
000534	000534	Prehistoric	Not evaluated	1972 (Terry Ambrose, ARU-UCR); 1983 (Don Carey, Scientific Resource Surveys Inc.)	Bedrock milling station with one milling slick	Outside

**Table 2. Previously Recorded Cultural Resources Within 1.0 Mile of the Study Area**

Primary Number (P-33-)	Trinomial (CA-RIV-)	Period	NRHP Eligibility	Record By and Year	Descriptions	Proximity To Project Area
000535	000535	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys Inc.)	Bedrock milling station with seven milling slicks	Adjacent
000536	000536	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling stations; two boulders each with one slick	Outside
000537	000537	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling station with two slicks	Outside
000538	000538	Prehistoric	Found ineligible through survey process	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling station, two boulders one with two milling slicks and one with one milling slick	Outside
000539	000539	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU)	Bedrock milling station with two milling slicks	Outside
000540	000540	Prehistoric	Not evaluated	1972 (Terry Ambrose, n/a); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling stations, three boulders one with four milling slicks, one with two milling slicks, and one with one milling slick	Outside
000541	000541	Prehistoric	Ineligible	1963 (P. Chace & E. Shepard, n/a); 1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling slick with seven milling slicks and one mortar	Outside
000542	000542	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys.)	Bedrock milling station with one milling slick	Outside



**Table 2. Previously Recorded Cultural Resources Within 1.0 Mile of the Study Area**

Primary Number (P-33-)	Trinomial (CA-RIV-)	Period	NRHP Eligibility	Record By and Year	Descriptions	Proximity To Project Area
000543	000543	Prehistoric	Not evaluated	1972 (Terry Ambrose, UCR-ARU); 1983 (Don Carey, Scientific Resource Surveys)	Bedrock milling stations, two boulders one with one milling slicks and one with two milling slicks	Outside
000715	000715	Prehistoric	Not evaluated	1963 (P. Chace & E. Shepard, n/a); 1983 (Jackie Desautels, Scientific Resource Surveys Inc.); 1988 (Beth Padon/ Pat Jertberg, LSA Associates Inc.)	Bedrock milling stations with three boulders, one with five milling slicks, one with one milling slick and a mortar, and one with one milling slick	Outside
002829	002829	Prehistoric	Not evaluated	1983 (Ann Cody, Scientific Resource Surveys, Huntington Beach, CA.)	Bedrock milling station with four milling slicks	Outside
002994	002994	Prehistoric	Not evaluated	1984 (Roger Mason, Scientific Resource Surveys, Huntington Beach, CA.)	Bedrock milling station with ten milling slicks on a split boulder outcrop	Outside

**Notes:** NRHP = National Register of Historic Places

## 4.2 Historic Map and Aerial Review

Historic maps and aerial photographs were consulted to understand the development of the study area and surrounding properties. Topographic maps are available from 1954 to the present, and aerial images are available from 1966 to the present (NETR 2018a, 2018b).

Topographic maps from 1954 show the study area and general vicinity as undeveloped land. There are a few roads running through the general area. The nearest development in 1954 was March Air Force Base to the west. The study area remained undeveloped until sometime between 1985 and 2012. Topographic maps indicate that development in the entire Moreno Valley area was slow during most of the twentieth century. By 1968 the first planned subdivisions appear, located to the northwest of the project site. Development continued slowly and, the area did not see major development until 1985, when the majority of the City was developed through 2012.

The earliest available aerial for the study area dates to 1966 and shows the area as primarily agricultural land. There is a small planned subdivision between Perris Boulevard and Kitching Street along Gentian Avenue and a much larger planned subdivision along Interstate 62 Freeway between Heacock Street and Perris Boulevard. During the 1970s, smaller subdivisions to the west and northeast of study area were built; however, the study area remained agricultural land. The 1997 aerial shows that Moreno Valley experienced an increase in development in the 1980s and 1990s, though the study area was still undeveloped during this time. Much of the area west of Evans Road had been subdivided and developed for residential purposes. Additionally, there were subdivisions east of Evans Road; however, development was less dense, and the majority of the area was still used for agricultural purposes. Moreno Valley College was built between 1985 and 2015. The remainder of the 2000s saw a small but steady increase in development in eastern Moreno Valley, and the City was essentially built out to its current extent by 2012.

### 4.3 Native American Coordination

As part of the process of identifying cultural resources within or near the proposed project site, Dudek contacted the NAHC to request a review of the SLF on November 8, 2018. The NAHC emailed a response on December 6, 2018, via an attached letter dated December 5, 2018. The letter stated that the completed SLF search did not identify the presence of Native American cultural resources in the immediate project area. The NAHC recommended contacting Native American individuals and/or tribal organizations who may have direct knowledge of cultural resources in or near the proposed project site.

Dudek prepared and sent letters to each of the nine Native American groups and/or individuals on the contact list requesting information about cultural sites and resources in or near the proposed project site. These letters, mailed on December 10, 2018, contained a brief description of the proposed project, a summary of the SLF and CHRIS records search results, and a reference map. To date, two responses have been received. Destiny Colocho, representing the Rincon Band of Mission Indians contacted Dudek via email on December 26, 2018. Ms. Colocho stated that the project area was within the Luiseño territory, though they did not know of any cultural resources within the project area. Jessica Valdez, on behalf of Joseph Ontiveros and the Soboba Band of Luiseño Indians, contacted Dudek via email on January 8, 2019. Ms. Valdez and Mr. Ontiveros requested tribal consultation with the Lead Agency, updates on the proposed project, and that a Native American monitor from the Soboba Band of Luiseño Indians be present during ground disturbing activities. This outreach was conducted for informational purposes only and did not constitute formal government-to-government consultation as specified by AB 52, which is discussed in the following section. Documents related to the NAHC SLF search and initial Native American outreach efforts are included in Appendix B.

#### 4.3.1 Assembly Bill 52

A project with an effect that may cause a substantial adverse change in the significance of a TCR is a project that may have a significant effect on the environment (PRC Section 21084.2). Under AB 52, a TCR must have tangible, geographically defined properties that can be impacted by project implementation. The proposed project is subject to compliance with AB 52 and, as such, requires the District, the CEQA lead agency for the proposed project, to notify all California Native American tribal representatives that have requested project notifications pursuant to AB 52 and that are on file with the NAHC as being traditionally or culturally affiliated with the geographic area. Because AB 52 is a government-to-government process, all records of correspondence related to AB 52 notification and any subsequent consultation are on file with the District.

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## 5 CULTURAL RESOURCES SURVEY

### 5.1 Field Methodology

A qualified Dudek archaeologist conducted a survey of the study area on November 13, 2018. The survey was conducted to identify and record any cultural resources that may occur in the study area. The survey was conducted using standard archaeological procedures and techniques that meet the Secretary of Interior's standards and guidelines for cultural resources inventory. Survey transects were spaced 15 meters wide and oriented south–north across accessible areas of the study area. The archaeologist examined the ground surface for the presence of prehistoric artifacts (e.g., flaked stone tools, tool-making debris, stone milling tools), historical artifacts (e.g., metal, glass, ceramics), sediment discolorations that might indicate the presence of a cultural midden, and depressions and other features that might indicate the former presence of structures or buildings.

### 5.2 Results

The study area is within a completely developed area associated with the Moreno Valley College. The majority of the study area is landscaped and either covered with concrete, asphalt, or grass. Areas of visible soils within the study area were limited; though any areas where visible soils were present were carefully inspected for cultural resources. In addition, an attempt was made to relocate site CA-RIV-000535, which bordered the study area to the northeast; however, this was unsuccessful. No cultural resources were identified during the cultural resource survey. Figures 4 through 7, following, show overviews of the study area.



**Figure 4.** Overview of the Southern Portion of the Study Area; View to the North.

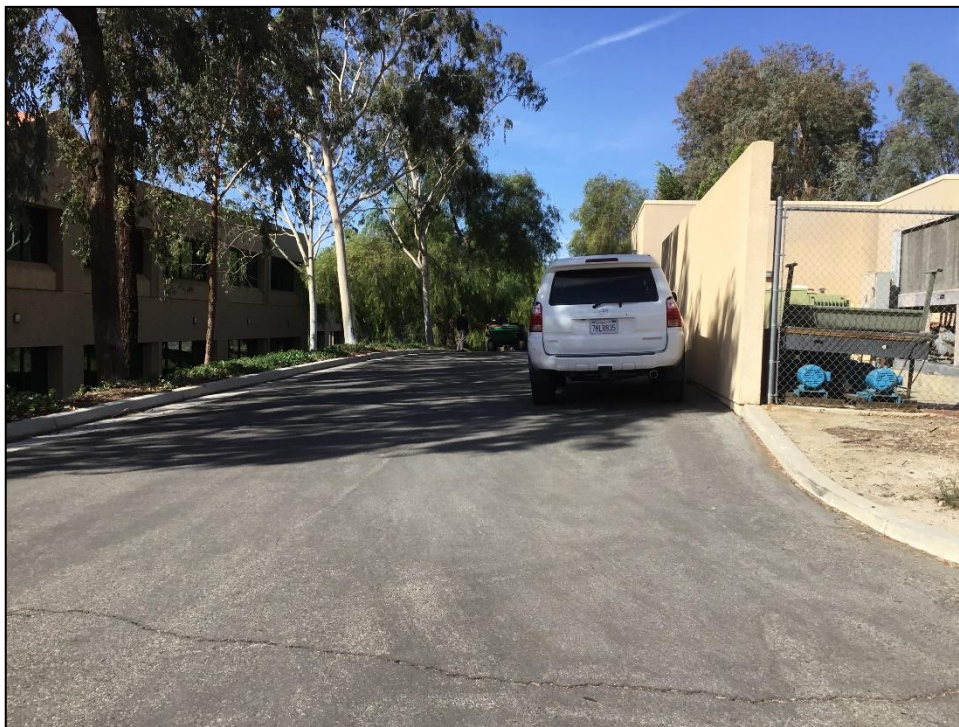


**Figure 5.** Overview of the Central Portion of the Study Area; View to the North





**Figure 6.** Overview of the Northern Portion of the Study Area; View to the South.



**Figure 7.** Overview of the Northernmost Portion of the Study Area; View to the West.

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## 6 FINDINGS AND RECOMMENDATIONS

### Archaeological Sensitivity

The proposed project would include the construction of a new Welcome Center within the campus of Moreno Valley College. The majority of the study area is covered with concrete, asphalt, or grass, limiting the presence of visible native soils. No cultural resources were identified within the study area as a result of the CHRIS records search, Native American outreach, or the pedestrian survey. The study area was agricultural land for several decades prior to being developed for the Moreno Valley College between 1985 and 2015. Today the study area is developed and landscaped with grass and concrete pathways.

The impact of several decades of agriculture, followed by landscaping and development associated with Moreno Valley College, has likely negatively affected or destroyed any prehistoric or historical archaeological resources that may have been located on or near the surface within the study area. As such, the likelihood of impacting any cultural deposits during the implementation of the proposed project is considered low to moderate.

Based on the results of this study, the likelihood of encountering archaeological resources is variable and is considered to be low to moderate throughout the study area. It is always possible that unanticipated discoveries could be encountered during ground-disturbing activities associated with the proposed project. Management recommendations to reduce potential impacts to unanticipated archaeological resources and human remains during construction activities are provided as follows. With inclusion of these recommendations, the proposed project will have a less-than-significant impact on archaeological resources. No additional mitigation is required beyond these standard protection measures.

### Unanticipated Discovery of Archaeological Resources

In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under CEQA (14 CCR 15064.5(f), California PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, or data recovery) may be warranted.

### **Unanticipated Discovery of Human Remains**

In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the NAHC in Sacramento within 24 hours. In accordance with California PRC, Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.

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# APPENDIX A

Eastern Information Center Records Search Results  
(CONFIDENTIAL – Not Included)



# APPENDIX B

## Native American Coordination Documentation



## Linda Kry

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**From:** Erica Nicolay  
**Sent:** Thursday, November 8, 2018 3:42 PM  
**To:** 'nahc@nahc.ca.gov'  
**Subject:** NAHC SLF Search and Consultation List Request  
**Attachments:** Dudek\_MoVa Project-SLF Request.pdf

To whom it may concern,

Please find attached the request for a search of the Sacred Lands File and a consultation list request for the Moreno Valley Welcome Center project. The project involves the construction of a 17,000 square foot student services building at Moreno Valley College. The project would also include the construction of two new gas lines. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County.

If you have any questions or concerns please contact me.  
Thank you,

**Erica Nicolay, MA**  
Archaeologist

**DUDEK**  
[38 North Marengo Avenue](#)  
[Pasadena, California 91101](#)  
O: [626.204.9830](tel:626.204.9830)  
C: [760.936.7952](tel:760.936.7952)  
Ext. 5230  
[www.dudek.com](http://www.dudek.com)

## Sacred Lands File & Native American Contacts List Request

### NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Blvd, Suite 100  
West Sacramento, CA 95501  
(916) 373-3710  
(916) 373-5471 – Fax  
[nahc@nahc.ca.gov](mailto:nahc@nahc.ca.gov)

*Information Below is Required for a Sacred Lands File Search*

Project: Moreno Valley College Welcome Center Project (Project 11413)  
County: Riverside

#### USGS Quadrangle

Name: Sunnymead and Perris, CA (see attached map)  
Township: 3S Range: 3W Section(s): 20, 22, 27, 28, 29, 32, 33

#### Company/Firm/Agency:

Dudek

Contact Person: Erica Nicolay

Street Address: 38 North Marengo Avenue

City: Pasadena Zip: 91101

Phone: (760) 936-7952 Extension: N/A

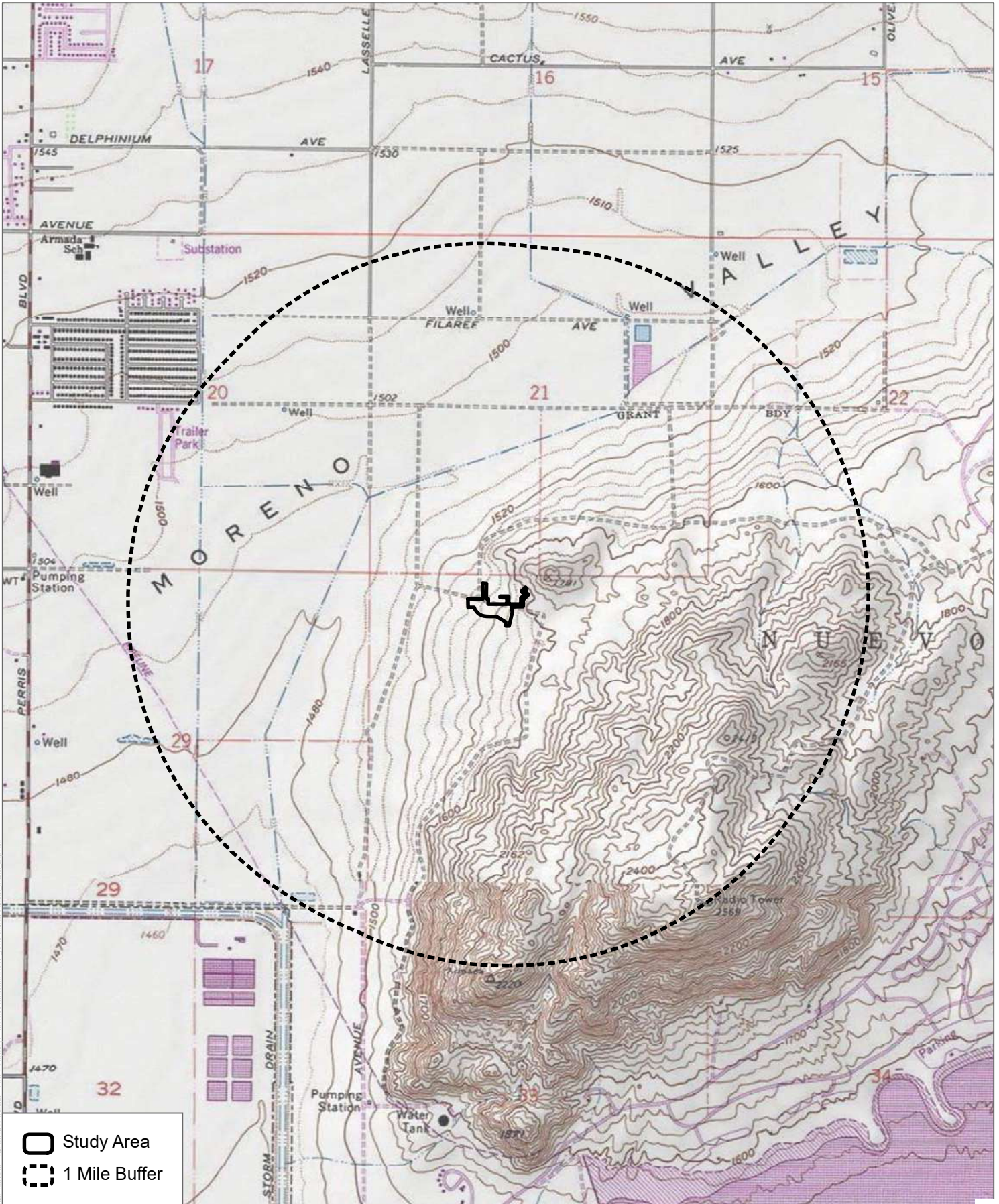
Fax: (760) 632-0164

Email: enicolay@dudek.com

#### Project Description:

The proposed project includes the construction of a 17,000 square foot student services building at Moreno Valley College. The project would also include the construction of two new gas lines. One gas line would run north along the western edge of the existing Student Services and Library then turn northeast and run towards the existing distribution switchboard to the north of the humanities building at Moreno Valley College. The second gas line would run south along Krameria Avenue and would terminate at the southwestern corner of Krameria and Cahuilla Avenue. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley.

Project Location Map is attached



SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



**Native American Heritage Commission  
Native American Contacts List  
12/5//2018**

<p>Gabrieleno Band of Mission Indians - Kizh Nation Andrew Salas, Chairperson P.O. Box 393 Covina ,CA 91723 admin@gabrielenoindians.org (626) 926-4131</p>	<p>Gabrielino</p>	<p>Pechanga Band of Luiseño Indians Mark Macarro, Chairman P.O. Box 1477 Temecula ,CA 92593 epreston@pechanga-nsn.gov (951) 770-6000 (951) 695-1778 Fax</p>	<p>Luiseno</p>
<p>Gabrieleno/Tongva San Gabriel Band of Mission Indians Anthony Morales, Chairperson P.O. Box 693 San Gabriel ,CA 91778 GTTribalcouncil@aol.com (626) 483-3564 Cell (626) 286-1262 Fax</p>	<p>Gabrielino Tongva</p>	<p>Rincon Band of Luiseño Indians Bo Mazzetti, Chairperson 1 West Tribal Road Valley Center ,CA 92082 bomazzetti@aol.com (760) 749-1051 (760) 749-5144</p>	<p>Luiseno</p>
<p>Gabrielino /Tongva Nation Sandonne Goad, Chairperson 106 1/2 Judge John Aiso St., #231 Los Angeles ,CA 90012 sgoad@gabrielino-tongva.com (951) 807-0479</p>	<p>Gabrielino Tongva</p>	<p>San Luis Rey Band of Mission Indians Tribal Council 1889 Sunset Drive Vista ,CA 92081 cjmojado@slrmissionindians.org (760) 724-8505 (760) 724-2172 Fax</p>	<p>Luiseno</p>
<p>La Jolla Band of Luiseno Indians Thomas Rodriguez, Chairperson 22000 Highway 76 Pauma Valley ,CA 92061 (760) 742-3771 (760) 742-3779 Fax</p>	<p>Luiseno</p>	<p>Soboba Band of Luiseno Indians Joseph Ontiveros, Cultural Resource Department P.O. BOX 487 San Jacinto ,CA 92581 jontiveros@soboba-nsn.gov (951) 663-5279 (951) 654-4198 Fax</p>	<p>Luiseno Cahuilla</p>
<p>Pala Band of Mission Indians Robert H. Smith, Chairperson 12196 Pala Mission Road Pala ,CA 92059 rsmith@palatribe.com (760) 891-3500 (760) 742-3189 Fax</p>	<p>Luiseno Cupeno</p>		

This list is current as of the date of this document and is based on the information available to the Commission on the date it was produced.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code, or Section 5097.98 of the Public Resources Code.

530

This list is only applicable for contacting local Native American Tribes for the proposed:  
Moreno Valley College Welcome Center Project (Project 11413), Riverside County.



December 10, 2018

11413

Ms. Sandonne Goad, Chairperson  
Gabrielino-Tongva Nation  
106 1/2 Judge John Also St.  
Los Angeles, CA 90012

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Ms. Goad:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

A California Historical Resources Information System (CHRIS) records search was completed at the Eastern Information Center for the project study area and a 1.0-mile radius. The records search identified 17 resources have been recorded within 1.0-mile (1,608 m) of the proposed project area. Of these, none have been recorded within the proposed project area, though one has been recorded directly adjacent to the proposed project area. The resource located closest to the project area is a bedrock milling station with seven milling slicks on a single boulder. The remaining 16 resources are also bedrock milling stations.

A Dudek archaeologist conducted a survey of the proposed project area on November 13, 2018 using standard archaeological procedures and techniques that meet the Secretary of Interior's standards and guidelines. The proposed project area is within a completely developed area associated with Moreno Valley Community College. The majority of the project site is landscaped and either covered with concrete, asphalt, or grass. There are very little visible soils within the proposed project area; though any areas where visible soils were present were carefully inspected for cultural resources. Dudek archaeologists attempted to relocate the site that bordered the project

*Ms. Goad:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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area; however this was unsuccessful. No cultural resources were identified during the cultural resource survey.

Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on December 5, 2018, which stated that the SLF was completed with negative results, though they stated that a negative result does not signify the absence of cultural resources within the project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by this project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at either phone number listed below, [enicolay@dudek.com](mailto:enicolay@dudek.com), or at 38 North Marengo Avenue, Pasadena, CA, 91101 within 30 days of receipt of this letter.

Please note that the request herein is for informational purposes only and does not constitute Assembly Bill (AB) 52 notification or initiation of consultation. All information provided will be considered confidential and not shared with the public.

Thank you for your assistance.

Sincerely,



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Erica Nicolay, MA  
Archaeologist

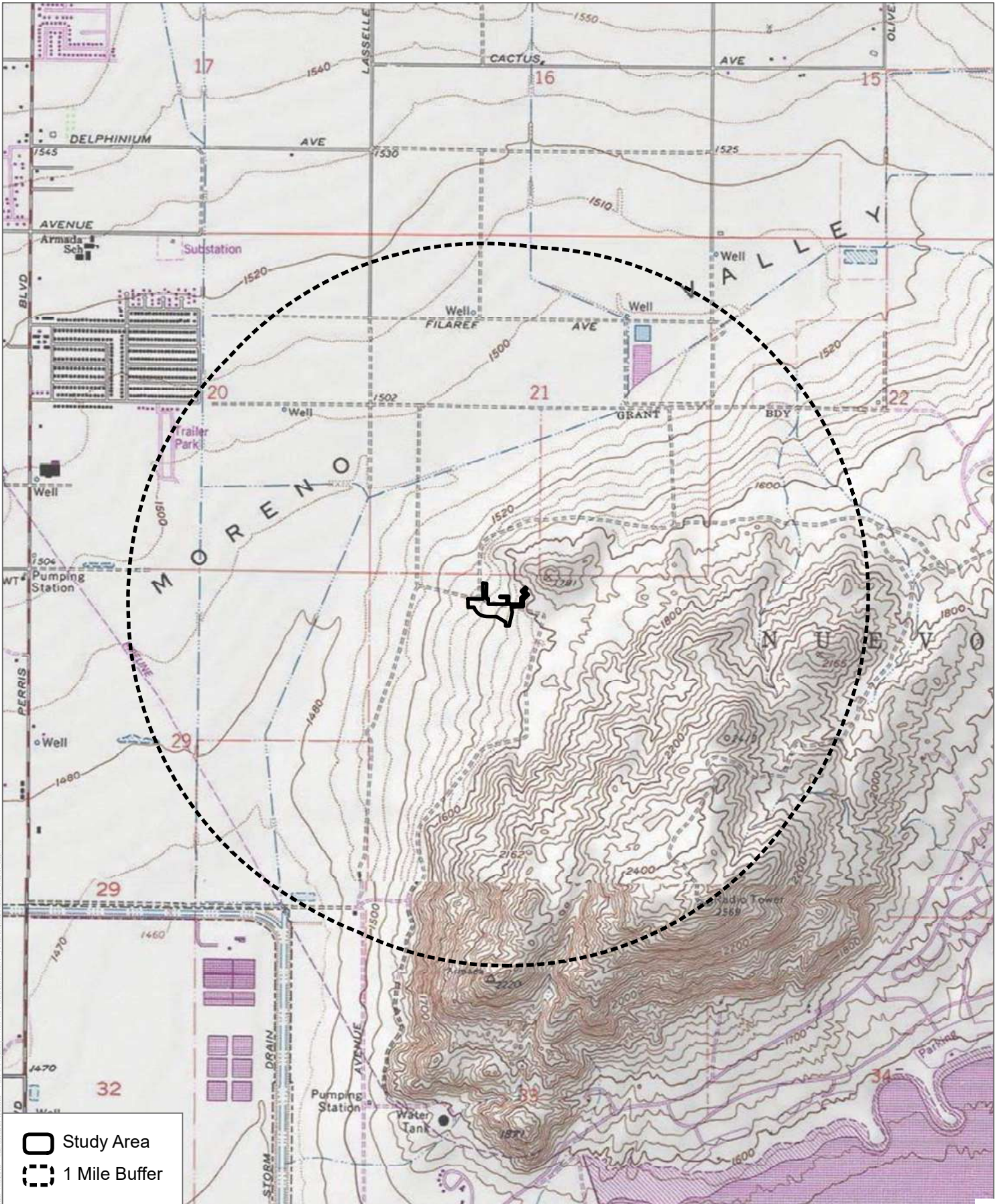
**DUDEK**

*Office: 626.284.9830*

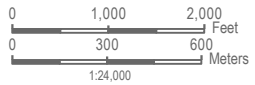
*Cell: 760.936.7952*

*Attachments: Figure 1*





SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



December 10, 2018

11413

Mr. Mark Macarro, Chairperson  
Pechanga Band of Mission Indians  
P.O. Box 1477  
Temecula, CA 92593

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Macarro:

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*Mr. Macarro:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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Sincerely,



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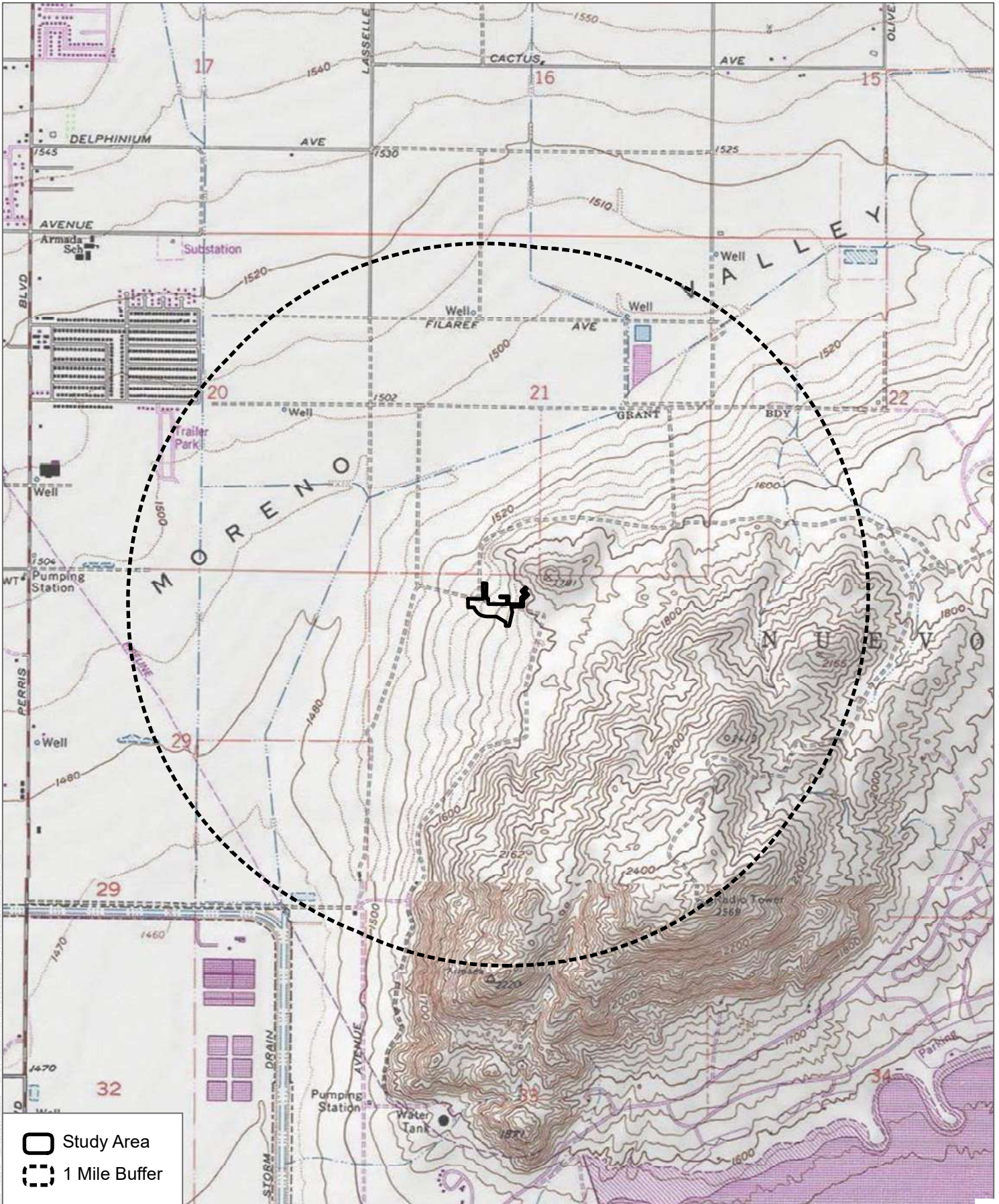
Erica Nicolay, MA  
Archaeologist

**DUDEK**

*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*



SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



**DUDEK**



December 10, 2018

11413

Mr. Bo Mazzetti, Tribal Chairman  
Rincon Band of Mission Indians  
1 W. Tribal Road  
Valley Center, CA 92082

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

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*Mr. Mazzetti:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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Erica Nicolay, MA  
Archaeologist

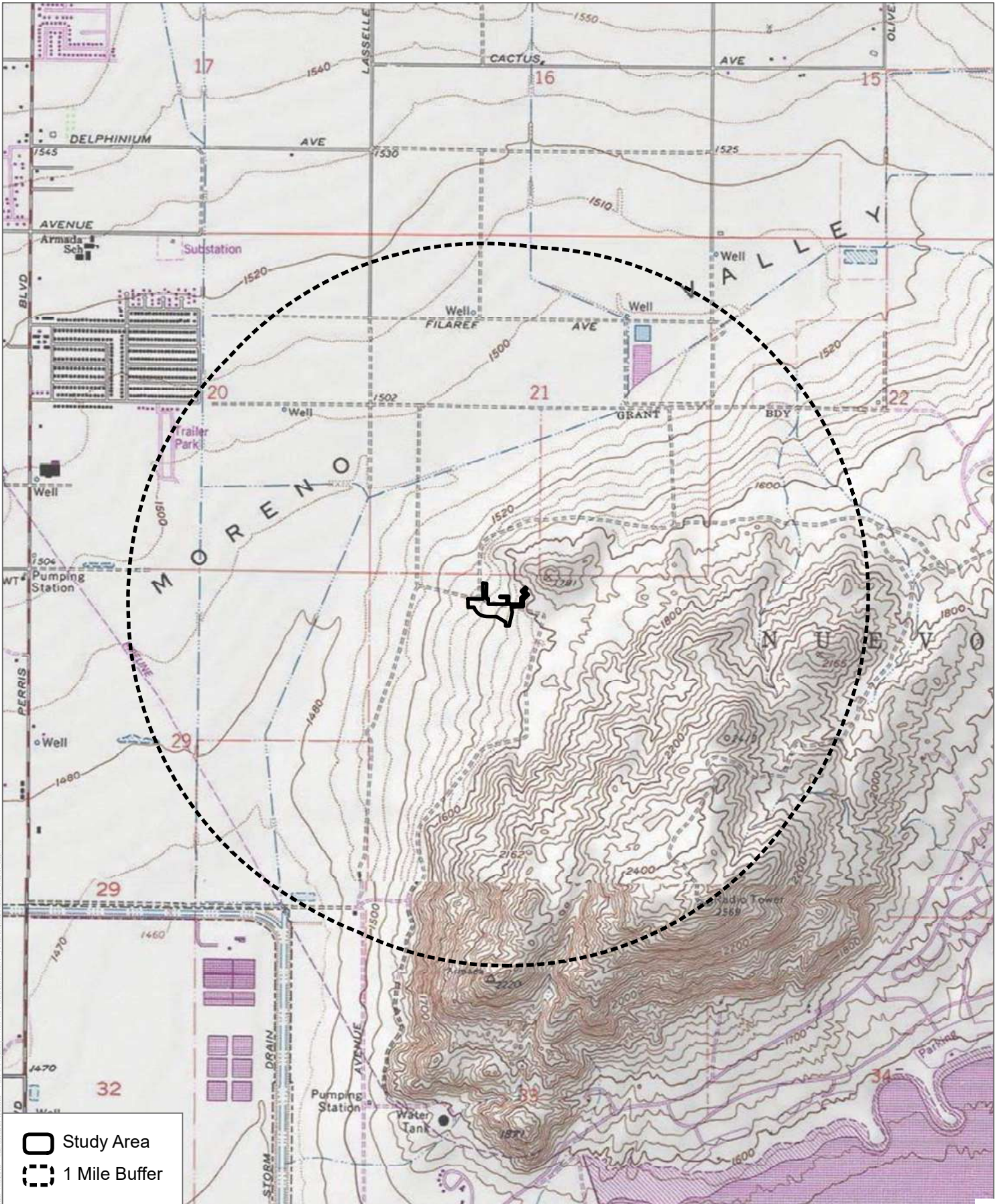
**DUDEK**

*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*





SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



December 10, 2018

11413

Mr. Anthony Morales, Chairperson  
Gabrieleno/Tongva San Gabriel Band of Mission Indians  
P.O. Box 693  
San Gabriel, CA 91778

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Morales:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

A California Historical Resources Information System (CHRIS) records search was completed at the Eastern Information Center for the project study area and a 1.0-mile radius. The records search identified 17 resources have been recorded within 1.0-mile (1,608 m) of the proposed project area. Of these, none have been recorded within the proposed project area, though one has been recorded directly adjacent to the proposed project area. The resource located closest to the project area is a bedrock milling station with seven milling slicks on a single boulder. The remaining 16 resources are also bedrock milling stations.

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*Mr. Morales:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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Dudek contacted the California Native American Heritage Commission (NAHC) to request a Sacred Lands File (SLF) search and a list of Native American individuals and/or tribal organizations who may have knowledge of cultural resources in or near the proposed project area. The NAHC emailed a response on December 5, 2018, which stated that the SLF was completed with negative results, though they stated that a negative result does not signify the absence of cultural resources within the project area.

The NAHC recommended that we contact you regarding your knowledge of the presence of cultural resources that may be impacted by this project. If you have any knowledge of cultural resources that may exist within or near the proposed project area, please contact me directly at either phone number listed below, [enicolay@dudek.com](mailto:enicolay@dudek.com), or at 38 North Marengo Avenue, Pasadena, CA, 91101 within 30 days of receipt of this letter.

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Thank you for your assistance.

Sincerely,



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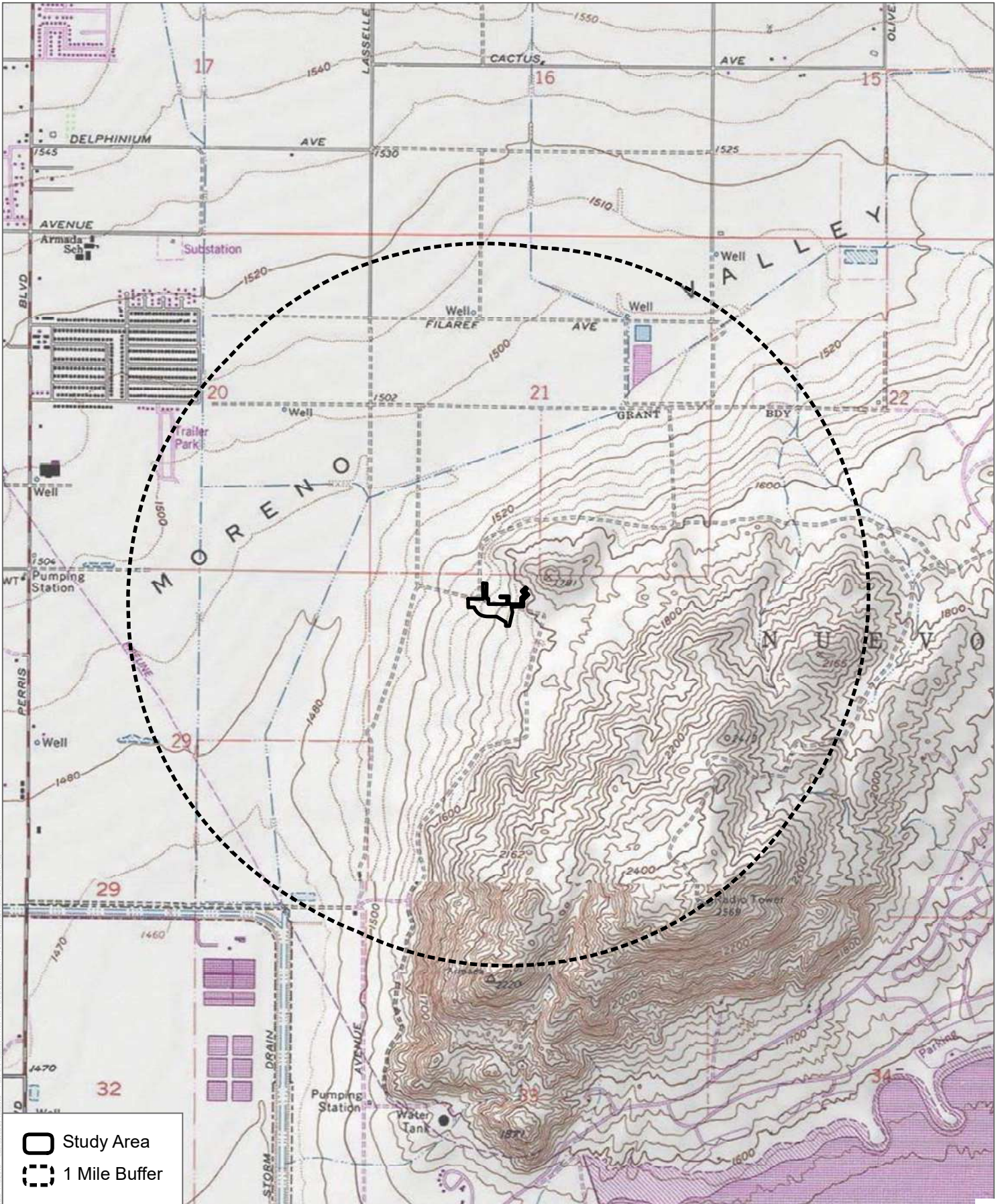
Erica Nicolay, MA  
Archaeologist

**DUDEK**

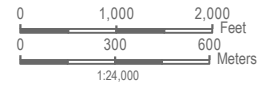
*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*



SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33





December 10, 2018

11413

Mr. Joseph Ontiveros, Cultural Resource Department  
Soboba Band of Luiseno Indians  
P.O. Box 487  
San Jacinto, CA 92581

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Ontiveros:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

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*Mr. Ontiveros:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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Erica Nicolay, MA  
Archaeologist

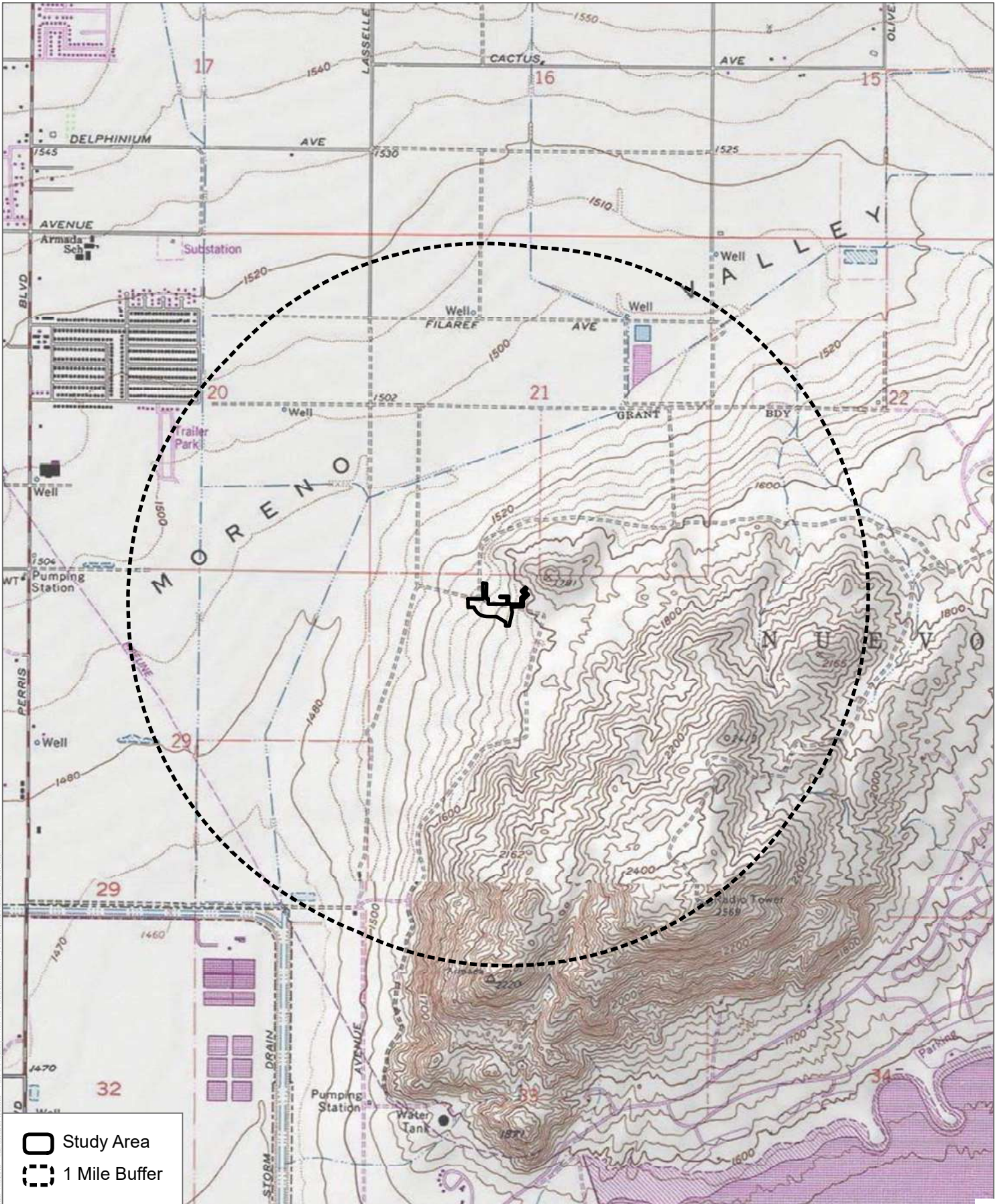
**DUDEK**

*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*





SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



December 10, 2018

11413

Mr. Thomas Rodrigues, Chairperson  
La Jolla Band of Mission Indians  
22000 Highway 76  
Pauma Valley, CA 92061

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Rodrigues:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

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*Mr. Rodrigues:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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area; however this was unsuccessful. No cultural resources were identified during the cultural resource survey.

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Thank you for your assistance.

Sincerely,



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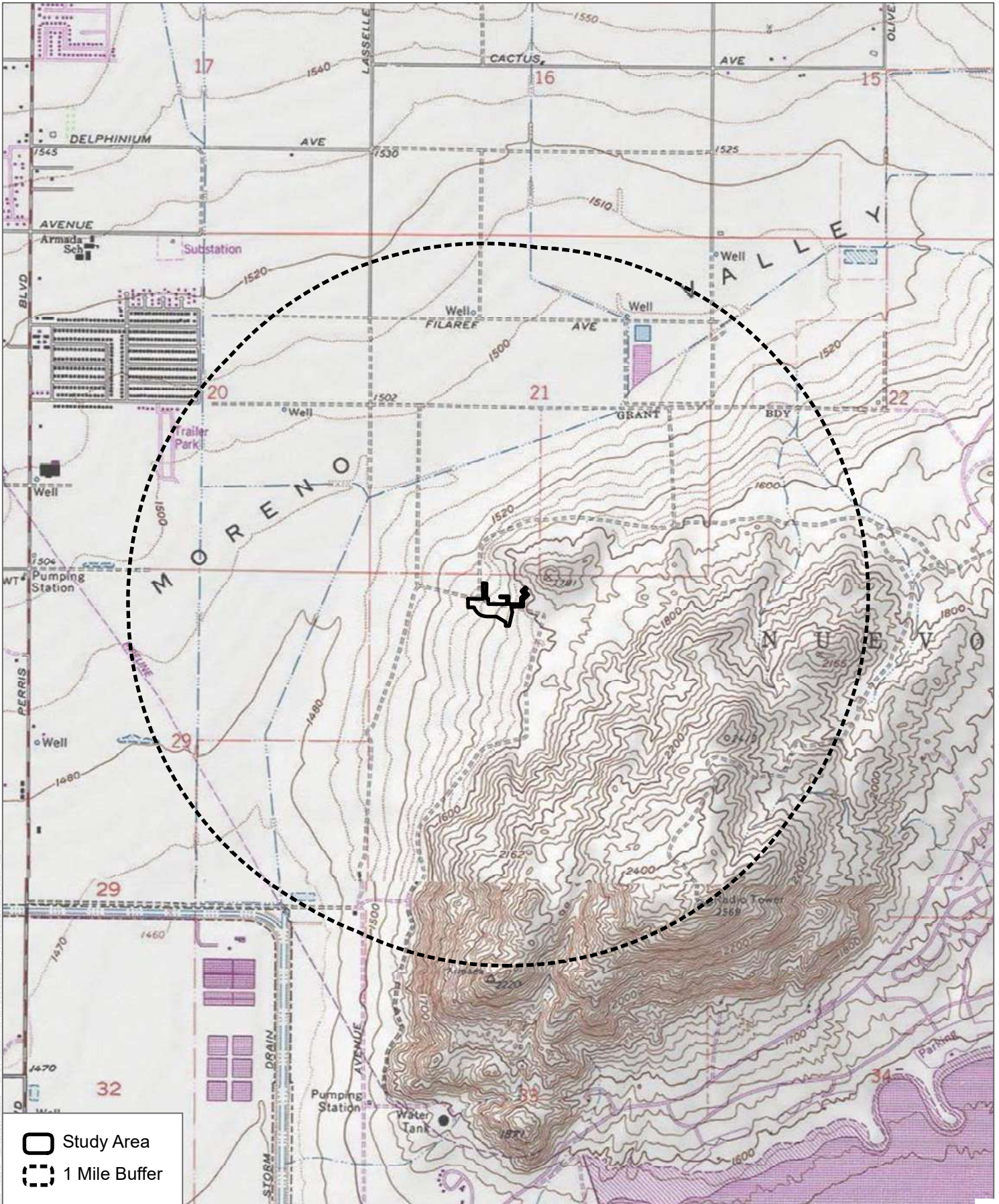
Erica Nicolay, MA  
Archaeologist

**DUDEK**

*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*





December 10, 2018

11413

Mr. Andrew Salas, Chairperson  
Gabrieleno Band of Mission Indians  
P.O. Box 393  
Covina, CA 91723

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Salas:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

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*Mr. Salas:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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Erica Nicolay, MA  
Archaeologist

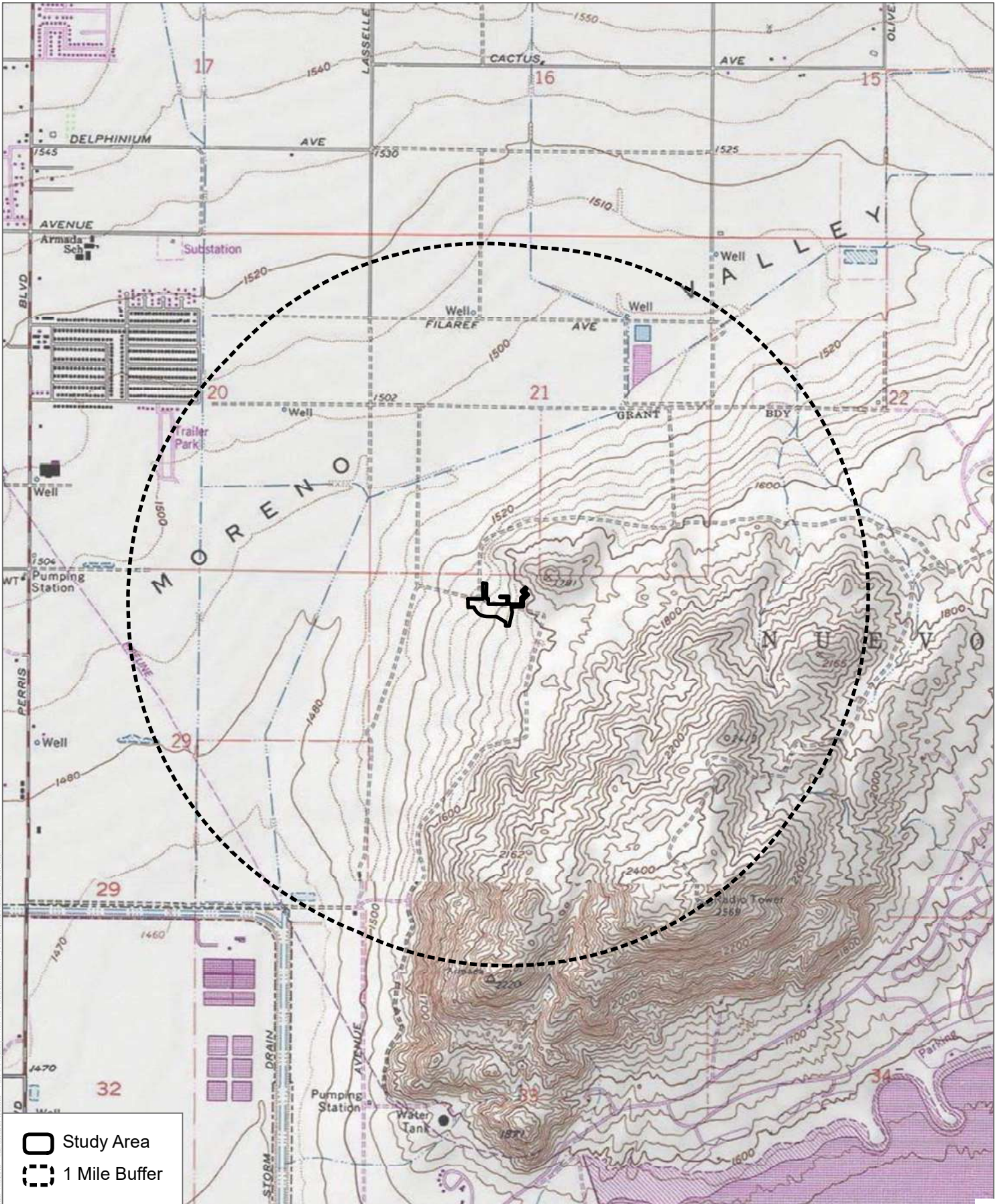
**DUDEK**

*Office: 626.284.9830*

*Cell: 760.936.7952*

*Attachments: Figure 1*





SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



December 10, 2018

11413

Mr. Robert H. Smith, Chairperson  
Pala Band of Mission Indians  
35008 Pala Temecula Rd., PMB 50  
Pala, CA 92059

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Mr. Smith:

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

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*Mr. Smith:*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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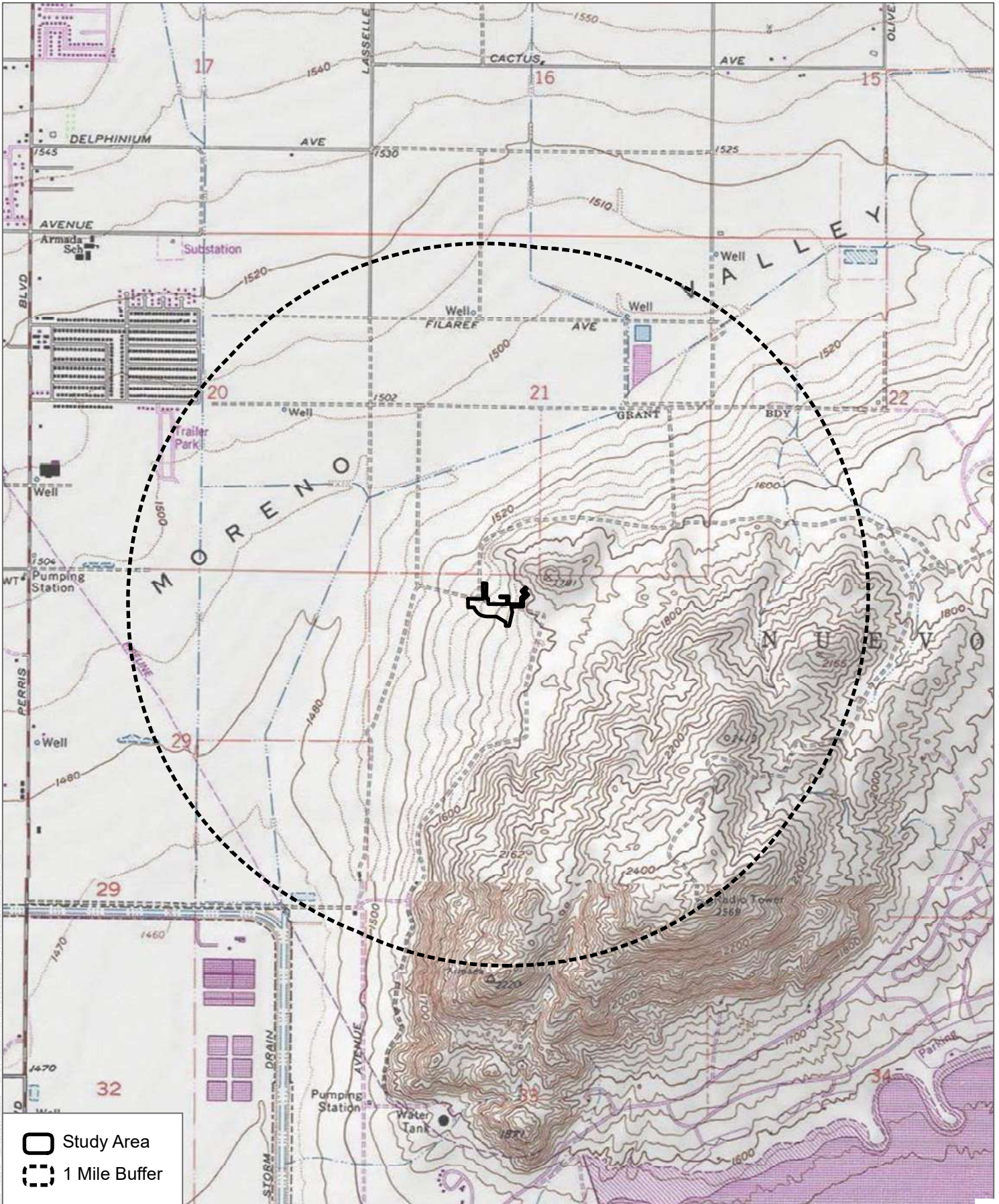
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Archaeologist

**DUDEK**

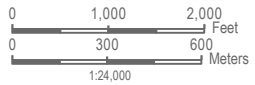
*Office: 626.284.9830*

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*Attachments: Figure 1*



SOURCE: USGS 7.5-Minute Series Sunnymead & Perris Quadrangles  
 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33





December 10, 2018

11413

Tribal Council ,  
San Luis Rey Band of Mission Indians  
1889 Sunset Dr.  
Vista, CA 92081

***Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California***

Dear Tribal Council :

Dudek was retained by the Riverside Community College District to prepare a cultural and paleontological resources technical report in support of the proposed Moreno Valley College Welcome Center (proposed project), located in the City of Moreno Valley, Riverside County, California. The proposed project is at 16130 Lasselle Street on the campus of Moreno Valley College, in southern Moreno Valley in the northeastern portion of Riverside County. The proposed project area is currently a landscaped lawn and is bordered on the north and east by buildings associated with Moreno Valley College and on the west and south by a parking lot. Specifically, the proposed project is within Section 28 of the public land survey system (PLSS) Township 3 South, Range 3 West as shown on the *Sunnymead, CA 7.5-minute USGS Quadrangle* (See attached figure).

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*Tribal Council :*

*Subject: Moreno Valley Welcome Center Project, City of Moreno Valley, Riverside County, California*

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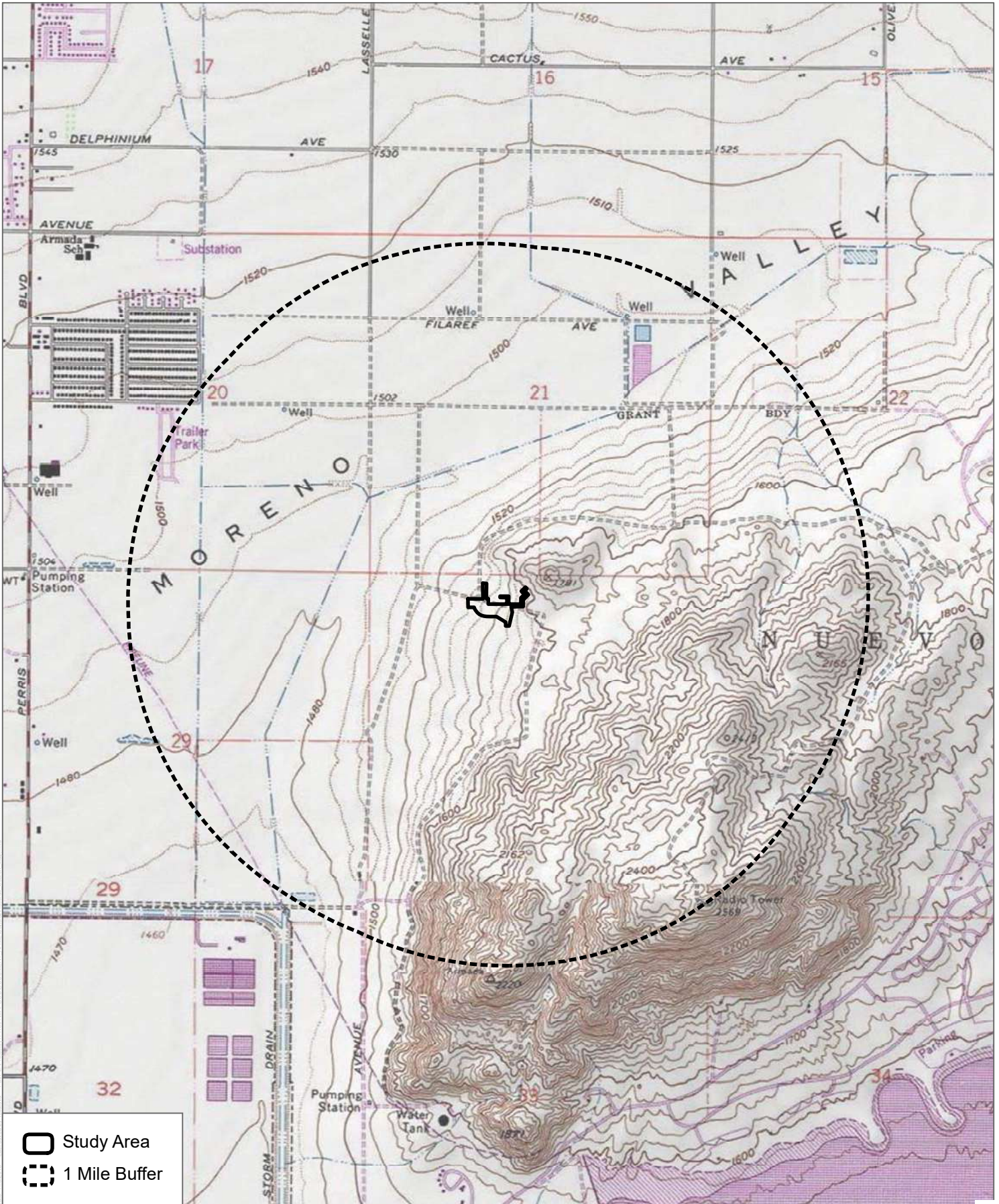
**DUDEK**

*Office: 626.284.9830*

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 Township 3S; Range 3W; Sections 20, 21, 22, 27, 28, 29, 32, 33



**DUDEK**

## Erica Nicolay

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**From:** Destiny Colocho <DColocho@rincon-nsn.gov>  
**Sent:** Wednesday, December 26, 2018 12:59 PM  
**To:** Erica Nicolay  
**Cc:** Deneen Pelton  
**Subject:** Moreno Valley Welcome Center Project

Dear Ms. Nicolay,

This letter is written on behalf of the Rincon Band of Luiseño Indians. We have received your notification regarding the above referenced project and we thank you for the opportunity to provide information pertaining to cultural resources. The identified location is within the Territory of the Luiseño people, and is also within Rincon's specific area of Historic interest.

Embedded in the Luiseño territory are Rincon's history, culture and identity. We do not have knowledge of cultural resources within or near the proposed project area. However, this does not mean that none exist. We recommend that an archaeological record search be conducted and ask that a copy of the results be provided to the Rincon Band.

If you have additional questions or concerns please do not hesitate to contact our office at your convenience at (760) 297-2635.

Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,

*\*Please note the change in email below. @rincontribe.org will still be operational until the end of 2018, but please update your contact list to reflect the change to @rincon-nsn.gov\**

**Destiny Colocho, RPA**

Cultural Resource Manager and Tribal Historic Preservation Officer  
Cultural Resource Department

**Rincon Band of Luiseño Indians**

1 West Tribal Road | Valley Center, CA 92082

Office: 760-297-2635 | Cell: 760-705-7171

Fax: 760-692-1498

Email: dcolocho@rincon-nsn.gov



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## Erica Nicolay

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**From:** Jessica Valdez <JValdez@soboba-nsn.gov>  
**Sent:** Tuesday, January 8, 2019 5:07 PM  
**To:** Erica Nicolay  
**Cc:** Joseph Ontiveros  
**Subject:** Moreno Valley Welcome Center Project  
**Attachments:** DUDEK- Moreno Valley Welcome Center Project- Soboba Response Letter- 1-8-19.doc

Erica,

Good evening. Please see the attached letter from Joseph Ontiveros, Tribal Historic Preservation Officer, for the Soboba Band of Luiseño Indians, regarding the **Moreno Valley Welcome Center Project**, located in the City of Moreno Valley. The project area is considered sensitive by the people of Soboba, as there are existing sites in the surrounding areas. An in-house database search identified multiple areas of potential impact. Specifics will be discussed in direct consultation with the lead agency. To ensure that Soboba's correspondence and concerns are reflected in your documentation for this project, the tribe requests that the attached letter be forwarded to the lead agency and summarized in your final report. A hard copy will be mailed, for your records. The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. Feel free to contact us with any additional questions or concerns.



### JESSICA VALDEZ

Cultural Resource Specialist  
(951) 654-5544 Ext. 4139  
JValdez@soboba-nsn.gov

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CULTURAL RESOURCE  
23906 Soboba Rd. San Jacinto, CA 92583  
P.O. Box 487 San Jacinto, CA 92581  
[www.soboba-nsn.gov](http://www.soboba-nsn.gov)

NOTICE: This communication may contain information that is proprietary, privileged, confidential, or otherwise legally exempt from disclosure. It is intended exclusively for the use of the individual or entity to which it is addressed. If you are not the intended recipient, you are not authorized to read, print, retain, copy, or disseminate this message or any part of it. If you have received this message in error, please notify the sender immediately by e-mail and delete all copies of the message.

January 8, 2019

Attn: Erica Nicolay, Archaeologist  
DUDEK  
38 North Marengo Avenue  
Pasadena, CA 91101



**RE: Moreno Valley Welcome Center Project – 16130 Lasselle Street – City of Moreno Valley, Riverside County, CA**

The Soboba Band of Luiseño Indians appreciates your observance of Tribal Cultural Resources and their preservation in your project. The information provided to us on said project has been assessed through our Cultural Resource Department, where it was concluded that although it is outside the existing reservation, the project area does fall within the bounds of our Tribal Traditional Use Areas. This project location is in proximity to known sites, is a shared use area that was used in ongoing trade between the tribes, and is considered to be culturally sensitive by the people of Soboba.

Soboba Band of Luiseño Indians is requesting the following:

1. To initiate a consultation with the project proponents and lead agency.
2. The transfer of information to the Soboba Band of Luiseno Indians regarding the progress of this project should be done as soon as new developments occur.
3. Soboba Band of Luiseño Indians continues to act as a consulting tribal entity for this project.
4. Working in and around traditional use areas intensifies the possibility of encountering cultural resources during the construction/excavation phase. For this reason, the Soboba Band of Luiseño Indians requests that Native American Monitor(s) from the Soboba Band of Luiseño Indians Cultural Resource Department to be present during any ground disturbing proceedings. Including surveys and archaeological testing.
5. Request that proper procedures be taken and requests of the tribe be honored (Please see the attachment)

Multiple areas of potential impact were identified during an in-house database search. Specifics to be discussed in consultation with the lead agency.

Sincerely,

A handwritten signature in black ink, appearing to read "JOE", with a long horizontal line extending to the right.

Joseph Ontiveros, Tribal Historic Preservation Officer  
Soboba Band of Luiseño Indians  
P.O. Box 487  
San Jacinto, CA 92581  
Phone (951) 654-5544 ext. 4137  
Cell (951) 663-5279  
[jontiveros@soboba-nsn.gov](mailto:jontiveros@soboba-nsn.gov)

**Cultural Items (Artifacts).** Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer should agree to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.

The Developer should waive any and all claims to ownership of Native American ceremonial and cultural artifacts that may be found on the Project site. Upon completion of authorized and mandatory archeological analysis, the Developer should return said artifacts to the Soboba Band within a reasonable time period agreed to by the Parties and not to exceed (30) days from the initial recovery of the items.

**Treatment and Disposition of Remains.**

A. The Soboba Band shall be allowed, under California Public Resources Code § 5097.98 (a), to (1) inspect the site of the discovery and (2) make determinations as to how the human remains and grave goods shall be treated and disposed of with appropriate dignity.

B. The Soboba Band, as MLD, shall complete its inspection within twenty-four (24) hours of receiving notification from either the Developer or the NAHC, as required by California Public Resources Code § 5097.98 (a). The Parties agree to discuss in good faith what constitutes "appropriate dignity" as that term is used in the applicable statutes.

C. Reburial of human remains shall be accomplished in compliance with the California Public Resources Code § 5097.98 (a) and (b). The Soboba Band, as the MLD in consultation with the Developer, shall make the final discretionary determination regarding the appropriate disposition and treatment of human remains.

D. All parties are aware that the Soboba Band may wish to rebury the human remains and associated ceremonial and cultural items (artifacts) on or near, the site of their discovery, in an area that shall not be subject to future subsurface disturbances. The Developer should accommodate on-site reburial in a location mutually agreed upon by the Parties.

E. The term "human remains" encompasses more than human bones because the Soboba Band's traditions periodically necessitated the ceremonial burning of human remains. Grave goods are those artifacts associated with any human remains. These items, and other funerary remnants and their ashes are to be treated in the same manner as human bone fragments or bones that remain intact

**Coordination with County Coroner's Office.** The Lead Agencies and the Developer should immediately contact both the Coroner and the Soboba Band in the event that any human remains are discovered during implementation of the Project. If the Coroner recognizes the human remains to be those of a Native American, or has reason to believe that they are those of a Native American, the Coroner shall ensure that notification is provided to the NAHC within twenty-four (24) hours of the determination, as required by California Health and Safety Code § 7050.5 (c).



**Non-Disclosure of Location Reburials.** It is understood by all parties that unless otherwise required by law, the site of any reburial of Native American human remains or cultural artifacts shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code § 6254 (r). Ceremonial items and items of cultural patrimony reflect traditional religious beliefs and practices of the Soboba Band. The Developer agrees to return all Native American ceremonial items and items of cultural patrimony that may be found on the project site to the Soboba Band for appropriate treatment. In addition, the Soboba Band requests the return of all other cultural items (artifacts) that are recovered during the course of archaeological investigations. Where appropriate and agreed upon in advance, Developer's archeologist may conduct analyses of certain artifact classes if required by CEQA, Section 106 of NHPA, the mitigation measures or conditions of approval for the Project. This may include but is not limited or restricted to include shell, bone, ceramic, stone or other artifacts.



Confidentiality: The entirety of the contents of this letter shall remain confidential between Soboba and DUDEK. No part of the contents of this letter may be shared, copied, or utilized in any way with any other individual, entity, municipality, or tribe, whatsoever, without the expressed written permission of the Soboba Band of Luiseño Indians.



**APPENDIX D-1**  
*Field Noise Measurement Data Sheets*



# FIELD NOISE MEASUREMENT DATA

PROJECT <u>MORENO VALLEY COLLEGE WC</u>	PROJECT # <u>11413</u>
SITE ID _____	OBSERVER(S) <u>PETE VITAR</u>
SITE ADDRESS _____	
START DATE <u>11/8/18</u>	END DATE <u>11/8/18</u>
START TIME _____	END TIME _____

**METEOROLOGICAL CONDITIONS**

TEMP 75 F HUMIDITY 20 % R.H. WIND CALM LIGHT MODERATE  
 WINDSPD \_\_\_\_\_ MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY  
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

**ACOUSTIC MEASUREMENTS**

MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 (2) SERIAL # 140317004  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD (SLOW) FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leg	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>1-2</u>	<u>11:22</u>	<u>11:37</u>	<u>S8-3</u>	<u>75.2</u>	<u>51.9</u>	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____

COMMENTS  
READING TAKEN ON CAMPUIS IN QUAD IN FRONT OF STUDENT ACADEMIC SERVICES BUILDING; PRIMARY NOISE SOURCE IS PASSING CONVERSATIONS;

ST-2

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE \_\_\_\_\_ TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: STUDENT CONVERSATIONS  
 ROADWAY TYPE: N/A DIST. TO RDWY C/L OR EOP: N/A

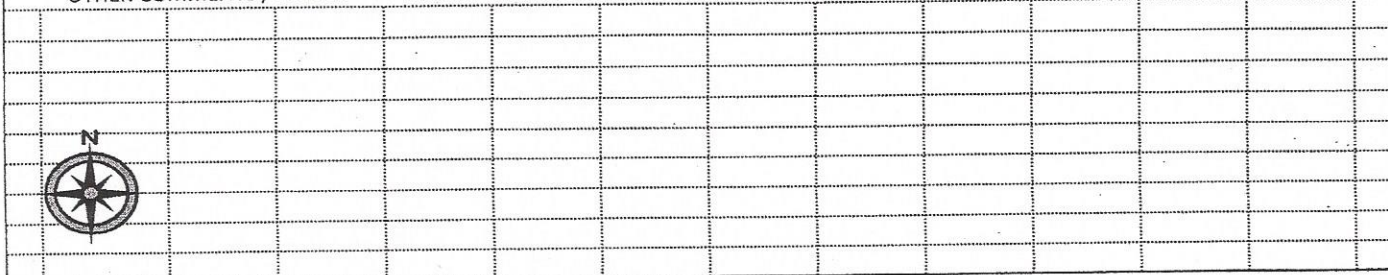
TRAFFIC COUNT DURATION: _____ MIN	SPEED		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	SPEED		SPEED		
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	
COUNT 1 (OR RDWY 1)	/		/		/	/		/		
DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB		COUNT 2 (OR RDWY 2)	NB/EB	SB/WB	NB/EB	SB/WB
AUTOS	_____	_____	_____	_____		_____	_____	_____	_____	_____
MED TRKS	_____	_____	_____	_____		_____	_____	_____	_____	_____
HVY TRKS	_____	_____	_____	_____		_____	_____	_____	_____	_____
BUSES	_____	_____	_____	_____	_____	_____	_____	_____	_____	
MOTRCLS	_____	_____	_____	_____	_____	_____	_____	_____	_____	

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL  
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**

TERRAIN HARD SOFT (MIXED) FLAT OTHER: \_\_\_\_\_  
 PHOTOS 2729; 2730; 2731; 2732  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# FIELD NOISE MEASUREMENT DATA

PROJECT <u>MORENO VALLEY COLLEGE WC</u>	PROJECT # <u>11413</u>
SITE ID _____	OBSERVER(S) <u>PETE VITAR</u>
SITE ADDRESS _____	
START DATE <u>11/8/18</u>	END DATE <u>11/8/18</u>
START TIME _____	END TIME _____

**METEOROLOGICAL CONDITIONS**

TEMP 75 F      HUMIDITY 20 % R.H.      WIND CALM      LIGHT      MODERATE  
 WINDSPD \_\_\_\_\_ MPH      DIR. N NE S SE S SW W NW      VARIABLE      STEADY      GUSTY  
 SKY SUNNY CLEAR      OVRCAST      PRTLY CLDY      FOG      RAIN

**ACOUSTIC MEASUREMENTS**

MEAS. INSTRUMENT PICCOLO CLM-3      TYPE 1 (2)      SERIAL # 140317004  
 CALIBRATOR BSWA CA 114      SERIAL # 480151  
 CALIBRATION CHECK      PRE-TEST \_\_\_\_\_ dBA SPL      POST-TEST \_\_\_\_\_ dBA SPL      WINDSCRN YES

SETTINGS      A-WTD SLOW      FAST      FRONTAL      RANDOM      ANSI      OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>3-4</u>	<u>11:42</u>	<u>11:57</u>	<u>54.5</u>	<u>67.1</u>	<u>51</u>				

COMMENTS  
READING TAKEN ON CAMPUS ON PATH BETWEEN SCIENCE & TECH BUILDING AND STUDENT PARKING LOT (AT END OF COLLEGE DRIVE); PRIMARY NOISE SOURCE: GAS IN MV COLLEGE PARKING LOT; SECONDARY: CONVERSATIONS

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE TRAFFIC      AIRCRAFT      RAIL      INDUSTRIAL      OTHER: \_\_\_\_\_  
 ROADWAY TYPE: ASPHALT      DIST. TO RDWY C/L OR EOP: APX 100' TO COLLEGE DR. END


COUNT 1 (OR RDWY 1)	TRAFFIC COUNT DURATION: _____ MIN      SPEED				IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)			
	DIRECTION	NB/EB	SB/WB	NB/EB		SB/WB	DIRECTION	NB/EB	SB/WB
AUTOS					/				
MED TRKS									
HVY TRKS									
BUSES									
MOTRCLS									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT      RUSTLING LEAVES      DIST. BARKING DOGS      BIRDS      DIST. INDUSTRIAL  
 DIST. KIDS PLAYING      DIST. CONVERSATIONS/YELLING      DIST. TRAFFIC (LIST RDWYS BELOW)      DISTD GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**

TERRAIN      HARD      SOFT      MIXED      FLAT      OTHER: \_\_\_\_\_  
 PHOTOS 2734; 2735; 2736; 2737; 2738;  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# FIELD NOISE MEASUREMENT DATA

PROJECT MORENO VALLEY COLLEGE WC PROJECT # 11413  
 SITE ID \_\_\_\_\_ OBSERVER(S) PETE VITAR  
 SITE ADDRESS \_\_\_\_\_  
 START DATE 11/8/18 END DATE 11/8/18  
 START TIME \_\_\_\_\_ END TIME \_\_\_\_\_

**METEOROLOGICAL CONDITIONS**  
 TEMP 76 F HUMIDITY 15 % R.H. WIND ~~CALM~~ LIGHT MODERATE  
 WINDSPD \_\_\_\_\_ MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY  
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

**ACOUSTIC MEASUREMENTS**  
 MEAS. INSTRUMENT PICCOLO SLM-3 TYPE 1 (2) SERIAL # 140317004  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_


REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>5-6</u>	<u>12:09</u>	<u>12:24</u>	<u>60.8</u>	<u>74.4</u>	<u>49.3</u>				

COMMENTS  
READING TAKEN ON NORTH SIDE OF CAHUILLA DR, ALONGSIDE M.V. COLLEGE  
CHILD CARE FACILITY, AND ACROSS STREET FROM LASSELLE ELEMENTARY SCHOOL;  
PRIMARY NOISE SOURCE IS LIGHT TRAFFIC ON CAHUILLA DR AND ON KRAMERIA AVE;  
WIND PICKED UP IN LAST FEW MINUTES OF READING AND CREATED SOME RUSTLING LEAVES

**SOURCE INFO AND TRAFFIC COUNTS**  
 PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: ASPHALT DIST. TO RDWY C/L OR EOP: 10'  
 TRAFFIC COUNT DURATION: 15 MIN SPEED MIN SPEED  
 NB/EB SB/WB NB/EB SB/WB NB/EB SB/WB NB/EB SB/WB  
 DIRECTION NB/EB SB/WB NB/EB SB/WB  
 COUNT 1 (OR RDWY 1) AUTOS 14 MED TRKS 0 HVY TRKS 0 BUSES 0 MOTRCLS 0  
 IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE   
 COUNT 2 (OR RDWY 2) \_\_\_\_\_  
 SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL  
 DIST. KIDS PLAYING DIST. CONVERSATIONS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**  
 TERRAIN HARD SOFT MIXED FLAT OTHER: \_\_\_\_\_  
 PHOTOS 2740; 2741; 2742; 2743;  
 OTHER COMMENTS / SKETCH



# FIELD NOISE MEASUREMENT DATA

PROJECT	<u>MORENO VALLEY COLLEGE WE</u>	PROJECT #	<u>11413</u>
SITE ID		OBSERVER(S)	<u>PETE VITAR</u>
SITE ADDRESS			
START DATE	<u>11/8/18</u>	END DATE	<u>11/8/18</u>
START TIME		END TIME	

**METEOROLOGICAL CONDITIONS**

TEMP 76 F HUMIDITY 15 % R.H. WIND ~~CALM~~ LIGHT MODERATE  
 WINDSPD \_\_\_\_\_ MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY  
 SKY SUNNY CLEAR OVRCAST PRTLY CLDY FOG RAIN

**ACOUSTIC MEASUREMENTS**

MEAS. INSTRUMENT PICCOLO CLM-3 TYPE 1 (2) SERIAL # 140317004  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>7-8</u>	<u>12:28</u>	<u>12:43</u>	<u>64.6</u>	<u>85.3</u>	<u>50.5</u>				

COMMENTS ON KRAMERIA AVE, CLYDESDALE LANE  
READING TAKEN AT BACK OF PROPERTY AT 26502  
PRINCIPAL NOISE SOURCE IS TRAFFIC ON KRAMERIA AVE; SECONDARY IS  
TRAFFIC ON CARULLA DR; (RESIDENTIAL);

ST-4

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: AS PAVT DIST. TO RDWY C/L OR EOP: 45' FROM KRAMERIA AVE.

TRAFFIC COUNT DURATION: 15 MIN SPEED \_\_\_\_\_


COUNT 1 (OR RDWY 1)	DIRECTION	MIN		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	COUNT 2 (OR RDWY 2)	MIN		SPEED	
		NB/EB	SB/WB	NB/EB	SB/WB			NB/EB	SB/WB		
	AUTOS	<u>87</u>									
	MED TRKS	<u>1</u>									
	HVY TRKS	<u>0</u>									
	BUSES	<u>0</u>									
	MOTRCLS	<u>0</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL  
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DIST. GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**

TERRAIN HARD SOFT MIXED FLAT OTHER: \_\_\_\_\_  
 PHOTOS 2745; 2746; 2747; 2748; 2749; 2750; 2751  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# FIELD NOISE MEASUREMENT DATA

PROJECT <u>MORENO VALLEY COLLEGE WC</u>	PROJECT # <u>11413</u>
SITE ID _____	OBSERVER(S) <u>PETE VITAR</u>
SITE ADDRESS _____	
START DATE <u>11/8/18</u>	END DATE <u>11/8/18</u>
START TIME _____	END TIME _____

**METEOROLOGICAL CONDITIONS**

TEMP <u>77</u> F	HUMIDITY <u>15</u> % R.H.	WIND CALM <input checked="" type="radio"/> LIGHT	MODERATE
WINDSPD _____ MPH	DIR. N NE S SE S SW W NW	VARIABLE	STEADY GUSTY
SKY <input checked="" type="radio"/> SUNNY <input checked="" type="radio"/> CLEAR	OVRCAST PRTLY CLDY FOG	RAIN	

**ACOUSTIC MEASUREMENTS**

MEAS. INSTRUMENT <u>PICCOLO CLM-3</u>	TYPE 1 <input checked="" type="radio"/> 2	SERIAL # <u>140317004</u>
CALIBRATOR <u>BSWA CA 114</u>		SERIAL # <u>480151</u>
CALIBRATION CHECK _____	PRE-TEST _____ dBA SPL	POST-TEST _____ dBA SPL
		WINDSCRN <u>YES</u>

SETTINGS      A-WTD  SLOW      FAST      FRONTAL      RANDOM      ANSI      OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
ST-5 9-10	13:00	13:15	70.8	83.8	55.8				

**COMMENTS**  
READING TAKEN ON LASSELLE ST, AT EDGE OF MV COLLEGE PROPERTY;  
BETWEEN COLLEGE DR & CALLE AGUA; PRIMATE NOISE SOURCE IS  
TRAFFIC ON LASSELLE ST.

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE  TRAFFIC      AIRCRAFT      RAIL      INDUSTRIAL      OTHER: \_\_\_\_\_

ROADWAY TYPE: ASPHALT      DIST. TO RDWY C/L OR EOP: 10'

TRAFFIC COUNT DURATION: _____ MIN		SPEED		MIN		SPEED	
COUNT 1 (OR RDWY 1)	DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB	NB/EB	SB/WB
	AUTOS	<u>325</u>					
	MED TRKS	<u>6</u>					
	HVY TRKS	<u>0</u>					
	BUSES	<u>3</u>					
	MOTRCLS	<u>0</u>					

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT  RUSTLING LEAVES      DIST. BARKING DOGS      BIRDS      DIST. INDUSTRIAL  
 DIST. KIDS PLAYING      DIST. CONVRSTNS / YELLING      DIST. TRAFFIC (LIST RDWYS BELOW)      DISTD GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**

TERRAIN      HARD      SOFT       MIXED      FLAT      OTHER: \_\_\_\_\_

PHOTOS 2753; 2754; 2755; 2756

OTHER COMMENTS / SKETCH \_\_\_\_\_




# FIELD NOISE MEASUREMENT DATA

PROJECT	<u>MORENO VALLEY COLLEGE WC</u>	PROJECT #	<u>11413</u>
SITE ID		OBSERVER(S)	<u>PETE VITAR</u>
SITE ADDRESS			
START DATE	<u>11/8/18</u>	END DATE	<u>11/8/18</u>
START TIME		END TIME	

**METEOROLOGICAL CONDITIONS**

TEMP 77 F HUMIDITY 15 % R.H. WIND CALM  LIGHT MODERATE  
 WINDSPD \_\_\_\_\_ MPH DIR. N NE S SE S SW W NW VARIABLE STEADY GUSTY  
 SKY  SUNNY  CLEAR OVRCAST PRTLY CLDY FOG RAIN

**ACOUSTIC MEASUREMENTS**

MEAS. INSTRUMENT Piccolo CLM-3 TYPE 1  2 SERIAL # 140317004  
 CALIBRATOR BSWA CA 114 SERIAL # 480151  
 CALIBRATION CHECK PRE-TEST \_\_\_\_\_ dBA SPL POST-TEST \_\_\_\_\_ dBA SPL WINDSCRN YES

SETTINGS A-WTD  SLOW FAST FRONTAL RANDOM ANSI OTHER: \_\_\_\_\_

REC. #	BEGIN	END	Leq	Lmax	Lmin	L90	L50	L10	OTHER (SPECIFY METRIC)
<u>11-12</u>	<u>13:37</u>	<u>13:52</u>	<u>73.4</u>	<u>85.9</u>	<u>52.1</u>				

COMMENTS  
READING TAKEN ON LASALLE ST, AT BACK OF PROPERTY ON 15874 LASALLE ST (RESIDENTIAL COMPLEX); PRIMARY NOISE SOURCE IS TRAFFIC ON LASALLE ST;

ST-6

**SOURCE INFO AND TRAFFIC COUNTS**

PRIMARY NOISE SOURCE  TRAFFIC AIRCRAFT RAIL INDUSTRIAL OTHER: \_\_\_\_\_  
 ROADWAY TYPE: \_\_\_\_\_ DIST. TO RDWY C/L OR EOP: 21'


TRAFFIC COUNT DURATION:	MIN		SPEED		IF COUNTING BOTH DIRECTIONS AS ONE, CHECK HERE	MIN		SPEED		
	NB/EB	SB/WB	NB/EB	SB/WB		NB/EB	SB/WB	NB/EB	SB/WB	
COUNT 1 (OR RDWY 1)					✓					
DIRECTION	NB/EB	SB/WB	NB/EB	SB/WB		COUNT 2 (OR RDWY 2)				
AUTOS	<u>457</u>									
MED TRKS	<u>4</u>									
HVY TRKS	<u>0</u>									
BUSES	<u>4</u>									
MOTRCLS	<u>1</u>									

SPEEDS ESTIMATED BY: RADAR / DRIVING THE PACE  
 POSTED SPEED LIMIT SIGNS SAY: \_\_\_\_\_

OTHER NOISE SOURCES (BACKGROUND): DIST. AIRCRAFT  RUSTLING LEAVES DIST. BARKING DOGS BIRDS DIST. INDUSTRIAL  
 DIST. KIDS PLAYING DIST. CONVRSTNS / YELLING DIST. TRAFFIC (LIST RDWYS BELOW) DISTD GARDENERS/LANDSCAPING NOISE  
 OTHER: \_\_\_\_\_

**DESCRIPTION / SKETCH**

TERRAIN HARD SOFT MIXED FLAT OTHER: \_\_\_\_\_  
 PHOTOS 2758; 2759; 2760; 2761; 2762; 2763  
 OTHER COMMENTS / SKETCH \_\_\_\_\_





# **APPENDIX D-2**

## *Traffic Noise Modeling Input and Output*



Dudek MG				6 February 2019 TNM 2.5							
INPUT: ROADWAYS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA				
PROJECT/CONTRACT: PN11413											
RUN: Moreno Valley Welcome Center - Existing											
Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Laselle Street - South of College Drive	65.0	point1	1	2,345.9	518.0	1,509.00				Average	
		point3	3	2,635.3	1,025.1	1,517.00				Average	
		point4	4	2,897.1	1,460.5	1,522.00				Average	
		point57	57	3,012.9	1,653.4	1,524.00				Average	
		point5	5	3,128.6	1,846.4	1,526.00				Average	
		point6	6	3,225.1	2,055.8	1,528.00				Average	
		point7	7	3,255.4	2,174.4	1,529.00				Average	
		point8	8	3,266.5	2,232.3	1,530.00				Average	
		point9	9	3,294.0	2,427.9	1,528.00				Average	
		point10	10	3,310.6	2,703.5	1,527.00				Average	
		point11	11	3,306.2	2,784.5	1,526.00					
Krameria Avenue west of Laselle Street	65.0	point50	50	1,025.1	860.9	1,483.00				Average	
		point18	18	1,270.4	1,031.8	1,484.00				Average	
		point19	19	1,449.5	1,142.0	1,484.00				Average	
		point20	20	1,595.6	1,216.5	1,485.00				Average	
		point21	21	1,708.6	1,241.3	1,486.00				Average	
		point22	22	1,871.2	1,263.3	1,488.00				Average	
		point23	23	2,061.4	1,255.1	1,493.00				Average	
		point24	24	2,226.7	1,224.8	1,500.00				Average	
		point25	25	2,292.9	1,202.7	1,505.00				Average	
		point26	26	2,441.7	1,142.0	1,510.00				Average	
		point27	27	2,612.6	1,034.6	1,517.00					
College Drive	60.0	point52	52	3,325.9	2,776.9	1,526.00				Average	
		point48	48	3,631.5	2,802.9	1,535.00				Average	
		point2	2	3,893.7	2,809.8	1,550.00					

**INPUT: ROADWAYS**

**PN11413**

Cahilla Drive	40.0	point54	54	3,278.6	2,236.2	1,530.00				Average
		point45	45	3,783.8	2,107.7	1,554.00				Average
		point46	46	4,287.3	1,982.7	1,578.00				
Krameria Avenue	65.0	point56	56	2,659.4	1,004.3	1,517.00				Average
		point29	29	2,797.2	921.6	1,524.00				Average
		point30	30	2,959.9	825.1	1,528.00				Average
		point31	31	3,133.5	742.4	1,531.00				Average
		point32	32	3,382.9	703.0	1,568.00				Average
		point33	33	3,457.2	703.0	1,545.00				Average
		point34	34	3,619.1	742.4	1,555.00				Average
		point35	35	3,816.0	816.8	1,563.00				Average
		point36	36	3,934.1	904.3	1,565.00				Average
		point37	37	4,061.0	1,022.4	1,568.00				Average
		point38	38	4,139.1	1,156.1	1,570.00				Average
		point39	39	4,186.0	1,265.5	1,574.00				Average
		point40	40	4,220.7	1,394.0	1,575.00				Average
		point41	41	4,239.8	1,503.4	1,576.00				Average
		point42	42	4,262.4	1,786.4	1,577.00				Average
		point43	43	4,276.3	1,960.9	1,578.00				
Laselle Street-North of College Drive	76.0	point58	58	3,306.2	2,784.5	1,526.00				Average
		point12	12	3,286.5	2,937.6	1,522.00				Average
		point13	13	3,223.1	3,114.8	1,518.00				Average
		point14	14	3,144.3	3,333.5	1,512.00				Average
		point15	15	2,990.0	3,680.8	1,500.00				Average
		point16	16	2,808.1	4,105.2	1,500.00				
Krameria Avenue - North of Cahilla Drive	65.0	point59	59	4,279.4	2,000.0	1,578.00				Average
		point60	60	4,308.1	2,386.2	1,585.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

PN11413

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	PN11413												
RUN:	Moreno Valley Welcome Center - Existing												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Laselle Street - South of College Drive	point1	1	2282	45	47	45	24	45	0	0	0	0	
	point3	3	2282	45	47	45	24	45	0	0	0	0	
	point4	4	2282	45	47	45	24	45	0	0	0	0	
	point57	57	2282	45	47	45	24	45	0	0	0	0	
	point5	5	2282	45	47	45	24	45	0	0	0	0	
	point6	6	2282	45	47	45	24	45	0	0	0	0	
	point7	7	2282	45	47	45	24	45	0	0	0	0	
	point8	8	2282	45	47	45	24	45	0	0	0	0	
	point9	9	2282	45	47	45	24	45	0	0	0	0	
	point10	10	2282	45	47	45	24	45	0	0	0	0	
	point11	11											
Krameria Avenue west of Laselle Street	point50	50	477	35	10	35	5	35	0	0	0	0	
	point18	18	477	35	10	35	5	35	0	0	0	0	
	point19	19	477	35	10	35	5	35	0	0	0	0	
	point20	20	477	35	10	35	5	35	0	0	0	0	
	point21	21	477	35	10	35	5	35	0	0	0	0	
	point22	22	477	35	10	35	5	35	0	0	0	0	
	point23	23	477	35	10	35	5	35	0	0	0	0	
	point24	24	477	35	10	35	5	35	0	0	0	0	
	point25	25	477	35	10	35	5	35	0	0	0	0	
	point26	26	477	35	10	35	5	35	0	0	0	0	
	point27	27											
College Drive	point52	52	748	15	15	15	8	15	0	0	0	0	

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**PN11413**

	point48	48	748	15	15	15	8	15	0	0	0	0
	point2	2										
Cahilla Drive	point54	54	255	25	5	25	3	25	0	0	0	0
	point45	45	255	25	5	25	3	25	0	0	0	0
	point46	46										
Krameria Avenue	point56	56	477	35	10	35	5	35	0	0	0	0
	point29	29	477	35	10	35	5	35	0	0	0	0
	point30	30	477	35	10	35	5	35	0	0	0	0
	point31	31	477	35	10	35	5	35	0	0	0	0
	point32	32	477	35	10	35	5	35	0	0	0	0
	point33	33	477	35	10	35	5	35	0	0	0	0
	point34	34	477	35	10	35	5	35	0	0	0	0
	point35	35	477	35	10	35	5	35	0	0	0	0
	point36	36	477	35	10	35	5	35	0	0	0	0
	point37	37	477	35	10	35	5	35	0	0	0	0
	point38	38	477	35	10	35	5	35	0	0	0	0
	point39	39	477	35	10	35	5	35	0	0	0	0
	point40	40	477	35	10	35	5	35	0	0	0	0
	point41	41	477	35	10	35	5	35	0	0	0	0
	point42	42	477	35	10	35	5	35	0	0	0	0
	point43	43										
Laselle Street-North of College Drive	point58	58	2827	45	58	45	29	45	0	0	0	0
	point12	12	2827	45	58	45	29	45	0	0	0	0
	point13	13	2827	45	58	45	29	45	0	0	0	0
	point14	14	2827	45	58	45	29	45	0	0	0	0
	point15	15	2827	45	58	45	29	45	0	0	0	0
	point16	16										
Krameria Avenue - North of Cahilla Drive	point59	59	292	25	6	25	3	25	0	0	0	0
	point60	60										

**INPUT: RECEIVERS**

**PN11413**

							<b>6 February 2019</b>					
							<b>TNM 2.5</b>					
<b>INPUT: RECEIVERS</b>												
<b>PROJECT/CONTRACT:</b>		<b>PN11413</b>										
<b>RUN:</b>		<b>Moreno Valley Welcome Center - Existing</b>										
<b>Receiver</b>												
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.	
			X	Y	Z		Existing LAeq1h	Impact LAeq1h	Criteria Sub'l	NR Goal		
			ft	ft	ft	ft	dBA	dBA	dB	dB		
ST1	1	1	4,037.8	2,693.9	1,550.00	5.00	0.00	66	10.0	8.0	Y	
ST2	2	1	4,303.4	2,949.2	1,565.00	5.00	0.00	66	10.0	8.0	Y	
ST3	3	1	4,145.9	2,064.6	1,570.00	5.00	0.00	66	10.0	8.0	Y	
ST4	4	1	4,313.2	1,950.8	1,580.00	5.00	0.00	66	10.0	8.0	Y	
ST5	5	1	3,348.1	2,625.8	1,540.00	5.00	0.00	66	10.0	8.0	Y	
ST6	6	1	3,209.9	3,265.8	1,512.00	5.00	0.00	66	10.0	8.0	Y	
M1	8	1	3,217.5	2,935.9	1,520.00	5.00	0.00	66	10.0	8.0	Y	
M2	10	1	4,314.2	1,607.8	1,577.00	5.00	0.00	66	10.0	8.0	Y	
M3	12	1	4,118.3	1,674.6	1,578.00	5.00	0.00	66	10.0	8.0	Y	
M4	14	1	2,949.9	1,673.2	1,527.00	5.00	0.00	66	10.0	8.0	Y	





INPUT: BARRIERS

PN11413

									point50	50	3,201.6	649.1	1,531.00	25.00	0.00	0	0		
									point51	51	3,399.6	631.7	1,568.00	25.00	0.00	0	0		
									point52	52	3,492.7	636.6	1,545.00	25.00	0.00	0	0		
									point53	53	3,653.1	659.5	1,555.00	25.00	0.00	0	0		
									point54	54	3,805.9	711.6	1,563.00	25.00	0.00	0	0		
									point55	55	4,000.3	826.2	1,565.00	25.00	0.00	0	0		
									point56	56	4,114.2	937.3	1,568.00	25.00	0.00	0	0		
									point57	57	4,207.3	1,101.2	1,570.00	25.00	0.00	0	0		
									point58	58	4,267.7	1,197.8	1,574.00	25.00	0.00	0	0		
									point59	59	4,308.7	1,423.5	1,575.00	25.00					
Barrier45	W	0.00	99.99	0.00			0.00		point109	109	2,609.7	1,189.3	1,520.00	25.00	0.00	0	0		
									point61	61	2,824.1	1,515.1	1,525.00	25.00	0.00	0	0		
									point62	62	2,928.9	1,673.8	1,527.00	25.00	0.00	0	0		
									point63	63	3,043.0	1,876.8	1,529.00	25.00	0.00	0	0		
									point64	64	3,136.8	2,050.0	1,531.00	25.00	0.00	0	0		
									point142	142	3,180.8	2,196.7	1,531.00	25.00	0.00	0	0		
									point143	143	3,211.3	2,308.6	1,531.00	25.00	0.00	0	0		
									point65	65	3,222.5	2,381.9	1,530.00	25.00					
Barrier46	W	0.00	99.99	0.00			0.00		point111	111	4,326.8	1,534.6	1,576.00	25.00	0.00	0	0		
									point73	73	4,375.3	1,954.8	1,577.00	25.00	0.00	0	0		
									point74	74	4,771.2	1,836.7	1,578.00	25.00					
Barrier47	W	0.00	99.99	0.00			0.00		point113	113	3,963.8	2,143.9	1,570.00	15.00	0.00	0	0		
									point76	76	4,070.9	2,141.7	1,570.00	15.00	0.00	0	0		
									point77	77	4,068.7	2,178.9	1,570.00	15.00	0.00	0	0		
									point78	78	4,116.9	2,176.7	1,570.00	15.00	0.00	0	0		
									point79	79	4,110.3	2,229.2	1,570.00	15.00					
Barrier50	W	0.00	99.99	0.00			0.00		point115	115	4,202.2	3,158.9	1,565.00	35.00	0.00	0	0		
									point84	84	4,550.0	2,815.5	1,565.00	35.00	0.00	0	0		
									point85	85	4,628.7	2,889.9	1,565.00	35.00	0.00	0	0		
									point86	86	4,265.6	3,239.9	1,565.00	35.00					
Barrier51	W	0.00	99.99	0.00			0.00		point117	117	4,053.4	2,881.1	1,560.00	35.00	0.00	0	0		
									point88	88	4,049.1	3,130.5	1,560.00	35.00	0.00	0	0		
									point89	89	4,130.0	3,128.3	1,560.00	35.00	0.00	0	0		
									point90	90	4,130.0	2,878.9	1,560.00	35.00					
Barrier52	W	0.00	99.99	0.00			0.00		point119	119	4,090.6	2,780.5	1,550.00	15.00	0.00	0	0		
									point92	92	4,182.5	2,769.5	1,550.00	15.00	0.00	0	0		
									point93	93	4,182.5	2,738.9	1,550.00	15.00					
Barrier53	W	0.00	99.99	0.00			0.00		point121	121	4,213.1	2,824.2	1,550.00	15.00	0.00	0	0		
									point95	95	4,206.6	2,736.7	1,550.00	15.00	0.00	0	0		
									point96	96	4,276.6	2,738.9	1,550.00	15.00					
Barrier54	W	0.00	99.99	0.00			0.00		point123	123	4,296.3	2,806.7	1,550.00	15.00	0.00	0	0		
									point98	98	4,296.3	2,741.1	1,550.00	15.00	0.00	0	0		
									point99	99	4,355.3	2,741.1	1,550.00	15.00					
Barrier55	W	0.00	99.99	0.00			0.00		point125	125	4,206.6	2,623.0	1,550.00	15.00	0.00	0	0		
									point101	101	4,283.1	2,618.6	1,550.00	15.00	0.00	0	0		
									point24	24	4,285.3	2,666.7	1,550.00	15.00					
Barrier56	W	0.00	99.99	0.00			0.00		point127	127	4,180.3	2,115.5	1,570.00	15.00	0.00	0	0		
									point81	81	4,178.1	2,063.0	1,570.00	15.00	0.00	0	0		
									point82	82	4,230.6	2,058.6	1,570.00	15.00					

**INPUT: BARRIERS**

**PN11413**

Barrier57	W	0.00	99.99	0.00				0.00	point129	129	3,387.1	2,353.2	1,545.00	15.00	0.00	0	0		
									point28	28	3,389.3	2,480.1	1,545.00	15.00	0.00	0	0		
									point29	29	3,437.4	2,477.9	1,545.00	15.00					
Barrier58	W	0.00	99.99	0.00				0.00	point131	131	3,771.1	1,371.4	1,575.00	25.00	0.00	0	0		
									point70	70	3,851.0	1,350.5	1,575.00	25.00	0.00	0	0		
									point71	71	3,864.9	1,423.5	1,575.00	25.00					
Barrier59	W	0.00	99.99	0.00				0.00	point133	133	3,231.7	2,484.1	1,530.00	25.00	0.00	0	0		
									point37	37	3,236.0	2,634.3	1,530.00	25.00	0.00	0	0		
									point38	38	3,234.3	2,747.1	1,528.00	25.00	0.00	0	0		
									point39	39	3,227.3	2,818.3	1,525.00	25.00	0.00	0	0		
									point40	40	3,197.8	2,924.2	1,520.00	25.00	0.00	0	0		
									point140	140	3,171.8	3,004.9	1,519.50	25.00	0.00	0	0		
									point41	41	3,145.7	3,085.7	1,519.00	25.00	0.00	0	0		
									point43	43	3,079.8	3,243.7	1,517.00	25.00	0.00	0	0		
									point44	44	3,027.7	3,340.9	1,515.00	25.00					
Barrier48	W	0.00	99.99	0.00				0.00	point135	135	3,514.0	2,337.9	1,545.00	15.00	0.00	0	0		
									point34	34	3,505.2	2,543.5	1,545.00	15.00	0.00	0	0		
									point35	35	3,553.4	2,545.7	1,545.00	15.00					
Barrier49	W	0.00	99.99	0.00				0.00	point137	137	3,450.5	2,414.5	1,545.00	15.00	0.00	0	0		
									point31	31	3,450.5	2,547.9	1,545.00	15.00	0.00	0	0		
									point32	32	3,496.5	2,545.7	1,545.00	15.00					

**RESULTS: SOUND LEVELS**

**PN11413**

<b>Dudek</b>													
<b>MG</b>													
<b>6 February 2019</b>													
<b>TNM 2.5</b>													
<b>Calculated with TNM 2.5</b>													
<b>RESULTS: SOUND LEVELS</b>													
<b>PROJECT/CONTRACT:</b>			<b>PN11413</b>										
<b>RUN:</b>			<b>Moreno Valley Welcome Center - Existing</b>										
<b>BARRIER DESIGN:</b>			<b>INPUT HEIGHTS</b>										
<b>Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.</b>													
<b>ATMOSPHERICS:</b>			<b>68 deg F, 50% RH</b>										
<b>Receiver</b>													
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h</b>	<b>Increase over existing</b>			<b>Type</b>	<b>With Barrier</b>	<b>Noise Reduction</b>			
				<b>Calculated</b>	<b>Crit'n</b>	<b>Calculated</b>	<b>Crit'n</b>	<b>Impact</b>	<b>Calculated LAeq1h</b>	<b>Calculated</b>	<b>Goal</b>	<b>Calculated</b>	
							<b>Sub'l Inc</b>					<b>minus Goal</b>	
			<b>dBA</b>	<b>dBA</b>	<b>dBA</b>	<b>dB</b>	<b>dB</b>		<b>dBA</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>	
ST1	1	1	0.0	50.6	66	50.6	10	----	50.6	0.0	8	-8.0	
ST2	2	1	0.0	43.5	66	43.5	10	----	43.5	0.0	8	-8.0	
ST3	3	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0	
ST4	4	1	0.0	61.5	66	61.5	10	----	61.5	0.0	8	-8.0	
ST5	5	1	0.0	72.1	66	72.1	10	Snd Lvl	72.1	0.0	8	-8.0	
ST6	6	1	0.0	73.2	66	73.2	10	Snd Lvl	73.2	0.0	8	-8.0	
M1	8	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0	
M2	10	1	0.0	59.9	66	59.9	10	----	59.9	0.0	8	-8.0	
M3	12	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0	
M4	14	1	0.0	61.3	66	61.3	10	----	61.3	0.0	8	-8.0	
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>										
			<b>Min</b>	<b>Avg</b>	<b>Max</b>								
			<b>dB</b>	<b>dB</b>	<b>dB</b>								
All Selected		10	0.0	0.0	0.0								
All Impacted		2	0.0	0.0	0.0								
All that meet NR Goal		0	0.0	0.0	0.0								

INPUT: ROADWAYS

PN11413

Dudek MG				6 February 2019 TNM 2.5							
INPUT: ROADWAYS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA				
PROJECT/CONTRACT: PN11413											
RUN: Moreno Valley Welcome Cntr - Exist w Prj											
Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Laselle Street - South of College Drive	65.0	point1	1	2,345.9	518.0	1,509.00				Average	
		point3	3	2,635.3	1,025.1	1,517.00				Average	
		point4	4	2,897.1	1,460.5	1,522.00				Average	
		point57	57	3,012.9	1,653.4	1,524.00				Average	
		point5	5	3,128.6	1,846.4	1,526.00				Average	
		point6	6	3,225.1	2,055.8	1,528.00				Average	
		point7	7	3,255.4	2,174.4	1,529.00				Average	
		point8	8	3,266.5	2,232.3	1,530.00				Average	
		point9	9	3,294.0	2,427.9	1,528.00				Average	
		point10	10	3,310.6	2,703.5	1,527.00				Average	
		point11	11	3,306.2	2,784.5	1,526.00					
Krameria Avenue west of Laselle Street	65.0	point50	50	1,025.1	860.9	1,483.00				Average	
		point18	18	1,270.4	1,031.8	1,484.00				Average	
		point19	19	1,449.5	1,142.0	1,484.00				Average	
		point20	20	1,595.6	1,216.5	1,485.00				Average	
		point21	21	1,708.6	1,241.3	1,486.00				Average	
		point22	22	1,871.2	1,263.3	1,488.00				Average	
		point23	23	2,061.4	1,255.1	1,493.00				Average	
		point24	24	2,226.7	1,224.8	1,500.00				Average	
		point25	25	2,292.9	1,202.7	1,505.00				Average	
		point26	26	2,441.7	1,142.0	1,510.00				Average	
		point27	27	2,612.6	1,034.6	1,517.00					
College Drive	60.0	point52	52	3,325.9	2,776.9	1,526.00				Average	
		point48	48	3,631.5	2,802.9	1,535.00				Average	
		point2	2	3,893.7	2,809.8	1,550.00					

**INPUT: ROADWAYS**

**PN11413**

Cahilla Drive	40.0	point54	54	3,278.6	2,236.2	1,530.00				Average
		point45	45	3,783.8	2,107.7	1,554.00				Average
		point46	46	4,287.3	1,982.7	1,578.00				
Krameria Avenue	65.0	point56	56	2,659.4	1,004.3	1,517.00				Average
		point29	29	2,797.2	921.6	1,524.00				Average
		point30	30	2,959.9	825.1	1,528.00				Average
		point31	31	3,133.5	742.4	1,531.00				Average
		point32	32	3,382.9	703.0	1,568.00				Average
		point33	33	3,457.2	703.0	1,545.00				Average
		point34	34	3,619.1	742.4	1,555.00				Average
		point35	35	3,816.0	816.8	1,563.00				Average
		point36	36	3,934.1	904.3	1,565.00				Average
		point37	37	4,061.0	1,022.4	1,568.00				Average
		point38	38	4,139.1	1,156.1	1,570.00				Average
		point39	39	4,186.0	1,265.5	1,574.00				Average
		point40	40	4,220.7	1,394.0	1,575.00				Average
		point41	41	4,239.8	1,503.4	1,576.00				Average
		point42	42	4,262.4	1,786.4	1,577.00				Average
		point43	43	4,276.3	1,960.9	1,578.00				
Laselle Street-North of College Drive	76.0	point58	58	3,306.2	2,784.5	1,526.00				Average
		point12	12	3,286.5	2,937.6	1,522.00				Average
		point13	13	3,223.1	3,114.8	1,518.00				Average
		point14	14	3,144.3	3,333.5	1,512.00				Average
		point15	15	2,990.0	3,680.8	1,500.00				Average
		point16	16	2,808.1	4,105.2	1,500.00				
Krameria Avenue - North of Cahilla Drive	65.0	point59	59	4,279.4	2,000.0	1,578.00				Average
		point60	60	4,308.1	2,386.2	1,585.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

PN11413

Dudek												
MG												
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:	PN11413											
RUN:	Moreno Valley Welcome Cntr - Exist w Prj											
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos									
			V	S	V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Laselle Street - South of College Drive	point1	1	2287	45	47	45	24	45	0	0	0	0
	point3	3	2287	45	47	45	24	45	0	0	0	0
	point4	4	2287	45	47	45	24	45	0	0	0	0
	point57	57	2287	45	47	45	24	45	0	0	0	0
	point5	5	2287	45	47	45	24	45	0	0	0	0
	point6	6	2287	45	47	45	24	45	0	0	0	0
	point7	7	2287	45	47	45	24	45	0	0	0	0
	point8	8	2287	45	47	45	24	45	0	0	0	0
	point9	9	2287	45	47	45	24	45	0	0	0	0
	point10	10	2287	45	47	45	24	45	0	0	0	0
	point11	11										
Krameria Avenue west of Laselle Street	point50	50	488	35	10	35	5	35	0	0	0	0
	point18	18	488	35	10	35	5	35	0	0	0	0
	point19	19	488	35	10	35	5	35	0	0	0	0
	point20	20	488	35	10	35	5	35	0	0	0	0
	point21	21	488	35	10	35	5	35	0	0	0	0
	point22	22	488	35	10	35	5	35	0	0	0	0
	point23	23	488	35	10	35	5	35	0	0	0	0
	point24	24	488	35	10	35	5	35	0	0	0	0
	point25	25	488	35	10	35	5	35	0	0	0	0
	point26	26	488	35	10	35	5	35	0	0	0	0
	point27	27										
College Drive	point52	52	765	15	16	15	8	15	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**PN11413**

	point48	48	765	15	16	15	8	15	0	0	0	0
	point2	2										
Cahilla Drive	point54	54	259	25	5	25	3	25	0	0	0	0
	point45	45	259	25	5	25	3	25	0	0	0	0
	point46	46										
Krameria Avenue	point56	56	488	35	10	35	5	35	0	0	0	0
	point29	29	488	35	10	35	5	35	0	0	0	0
	point30	30	488	35	10	35	5	35	0	0	0	0
	point31	31	488	35	10	35	5	35	0	0	0	0
	point32	32	488	35	10	35	5	35	0	0	0	0
	point33	33	488	35	10	35	5	35	0	0	0	0
	point34	34	488	35	10	35	5	35	0	0	0	0
	point35	35	488	35	10	35	5	35	0	0	0	0
	point36	36	488	35	10	35	5	35	0	0	0	0
	point37	37	488	35	10	35	5	35	0	0	0	0
	point38	38	488	35	10	35	5	35	0	0	0	0
	point39	39	488	35	10	35	5	35	0	0	0	0
	point40	40	488	35	10	35	5	35	0	0	0	0
	point41	41	488	35	10	35	5	35	0	0	0	0
	point42	42	488	35	10	35	5	35	0	0	0	0
	point43	43										
Laselle Street-North of College Drive	point58	58	2842	45	59	45	29	45	0	0	0	0
	point12	12	2842	45	59	45	29	45	0	0	0	0
	point13	13	2842	45	59	45	29	45	0	0	0	0
	point14	14	2842	45	59	45	29	45	0	0	0	0
	point15	15	2842	45	59	45	29	45	0	0	0	0
	point16	16										
Krameria Avenue - North of Cahilla Drive	point59	59	299	25	6	25	3	25	0	0	0	0
	point60	60										

**INPUT: RECEIVERS**

**PN11413**

							<b>6 February 2019</b>					
<b>Dudek</b>							<b>TNM 2.5</b>					
<b>MG</b>												
<b>INPUT: RECEIVERS</b>												
<b>PROJECT/CONTRACT:</b>		<b>PN11413</b>										
<b>RUN:</b>		<b>Moreno Valley Welcome Cntr - Exist w Prj</b>										
<b>Receiver</b>												
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.	
			X	Y	Z		Existing LAeq1h	Impact LAeq1h	Criteria Sub'l	NR Goal		
			ft	ft	ft	ft	dBA	dBA	dB	dB		
ST1	1	1	4,037.8	2,693.9	1,550.00	5.00	0.00	66	10.0	8.0	Y	
ST2	2	1	4,303.4	2,949.2	1,565.00	5.00	0.00	66	10.0	8.0	Y	
ST3	3	1	4,145.9	2,064.6	1,570.00	5.00	0.00	66	10.0	8.0	Y	
ST4	4	1	4,313.2	1,950.8	1,580.00	5.00	0.00	66	10.0	8.0	Y	
ST5	5	1	3,348.1	2,625.8	1,540.00	5.00	0.00	66	10.0	8.0	Y	
ST6	6	1	3,209.9	3,265.8	1,512.00	5.00	0.00	66	10.0	8.0	Y	
M1	8	1	3,217.5	2,935.9	1,520.00	5.00	0.00	66	10.0	8.0	Y	
M2	9	1	4,314.2	1,607.8	1,577.00	5.00	0.00	66	10.0	8.0	Y	
M3	10	1	4,118.3	1,674.6	1,578.00	5.00	0.00	66	10.0	8.0	Y	
M4	11	1	2,949.9	1,673.2	1,527.00	5.00	0.00	66	10.0	8.0	Y	





INPUT: BARRIERS

PN11413

									point50	50	3,201.6	649.1	1,531.00	25.00	0.00	0	0		
									point51	51	3,399.6	631.7	1,568.00	25.00	0.00	0	0		
									point52	52	3,492.7	636.6	1,545.00	25.00	0.00	0	0		
									point53	53	3,653.1	659.5	1,555.00	25.00	0.00	0	0		
									point54	54	3,805.9	711.6	1,563.00	25.00	0.00	0	0		
									point55	55	4,000.3	826.2	1,565.00	25.00	0.00	0	0		
									point56	56	4,114.2	937.3	1,568.00	25.00	0.00	0	0		
									point57	57	4,207.3	1,101.2	1,570.00	25.00	0.00	0	0		
									point58	58	4,267.7	1,197.8	1,574.00	25.00	0.00	0	0		
									point59	59	4,308.7	1,423.5	1,575.00	25.00					
Barrier45	W	0.00	99.99	0.00			0.00		point109	109	2,609.7	1,189.3	1,520.00	25.00	0.00	0	0		
									point61	61	2,824.1	1,515.1	1,525.00	25.00	0.00	0	0		
									point62	62	2,928.9	1,673.8	1,527.00	25.00	0.00	0	0		
									point63	63	3,043.0	1,876.8	1,529.00	25.00	0.00	0	0		
									point64	64	3,136.8	2,050.0	1,531.00	25.00	0.00	0	0		
									point142	142	3,180.8	2,196.7	1,531.00	25.00	0.00	0	0		
									point143	143	3,211.3	2,308.6	1,531.00	25.00	0.00	0	0		
									point65	65	3,222.5	2,381.9	1,530.00	25.00					
Barrier46	W	0.00	99.99	0.00			0.00		point111	111	4,326.8	1,534.6	1,576.00	25.00	0.00	0	0		
									point73	73	4,375.3	1,954.8	1,577.00	25.00	0.00	0	0		
									point74	74	4,771.2	1,836.7	1,578.00	25.00					
Barrier47	W	0.00	99.99	0.00			0.00		point113	113	3,963.8	2,143.9	1,570.00	15.00	0.00	0	0		
									point76	76	4,070.9	2,141.7	1,570.00	15.00	0.00	0	0		
									point77	77	4,068.7	2,178.9	1,570.00	15.00	0.00	0	0		
									point78	78	4,116.9	2,176.7	1,570.00	15.00	0.00	0	0		
									point79	79	4,110.3	2,229.2	1,570.00	15.00					
Barrier50	W	0.00	99.99	0.00			0.00		point115	115	4,202.2	3,158.9	1,565.00	35.00	0.00	0	0		
									point84	84	4,550.0	2,815.5	1,565.00	35.00	0.00	0	0		
									point85	85	4,628.7	2,889.9	1,565.00	35.00	0.00	0	0		
									point86	86	4,265.6	3,239.9	1,565.00	35.00					
Barrier51	W	0.00	99.99	0.00			0.00		point117	117	4,053.4	2,881.1	1,560.00	35.00	0.00	0	0		
									point88	88	4,049.1	3,130.5	1,560.00	35.00	0.00	0	0		
									point89	89	4,130.0	3,128.3	1,560.00	35.00	0.00	0	0		
									point90	90	4,130.0	2,878.9	1,560.00	35.00					
Barrier52	W	0.00	99.99	0.00			0.00		point119	119	4,090.6	2,780.5	1,550.00	15.00	0.00	0	0		
									point92	92	4,182.5	2,769.5	1,550.00	15.00	0.00	0	0		
									point93	93	4,182.5	2,738.9	1,550.00	15.00					
Barrier53	W	0.00	99.99	0.00			0.00		point121	121	4,213.1	2,824.2	1,550.00	15.00	0.00	0	0		
									point95	95	4,206.6	2,736.7	1,550.00	15.00	0.00	0	0		
									point96	96	4,276.6	2,738.9	1,550.00	15.00					
Barrier54	W	0.00	99.99	0.00			0.00		point123	123	4,296.3	2,806.7	1,550.00	15.00	0.00	0	0		
									point98	98	4,296.3	2,741.1	1,550.00	15.00	0.00	0	0		
									point99	99	4,355.3	2,741.1	1,550.00	15.00					
Barrier55	W	0.00	99.99	0.00			0.00		point125	125	4,206.6	2,623.0	1,550.00	15.00	0.00	0	0		
									point101	101	4,283.1	2,618.6	1,550.00	15.00	0.00	0	0		
									point24	24	4,285.3	2,666.7	1,550.00	15.00					
Barrier56	W	0.00	99.99	0.00			0.00		point127	127	4,180.3	2,115.5	1,570.00	15.00	0.00	0	0		
									point81	81	4,178.1	2,063.0	1,570.00	15.00	0.00	0	0		
									point82	82	4,230.6	2,058.6	1,570.00	15.00					

**INPUT: BARRIERS**

**PN11413**

Barrier57	W	0.00	99.99	0.00				0.00	point129	129	3,387.1	2,353.2	1,545.00	15.00	0.00	0	0		
									point28	28	3,389.3	2,480.1	1,545.00	15.00	0.00	0	0		
									point29	29	3,437.4	2,477.9	1,545.00	15.00					
Barrier58	W	0.00	99.99	0.00				0.00	point131	131	3,771.1	1,371.4	1,575.00	25.00	0.00	0	0		
									point70	70	3,851.0	1,350.5	1,575.00	25.00	0.00	0	0		
									point71	71	3,864.9	1,423.5	1,575.00	25.00					
Barrier59	W	0.00	99.99	0.00				0.00	point133	133	3,231.7	2,484.1	1,530.00	25.00	0.00	0	0		
									point37	37	3,236.0	2,634.3	1,530.00	25.00	0.00	0	0		
									point38	38	3,234.3	2,747.1	1,528.00	25.00	0.00	0	0		
									point39	39	3,227.3	2,818.3	1,525.00	25.00	0.00	0	0		
									point40	40	3,197.8	2,924.2	1,520.00	25.00	0.00	0	0		
									point140	140	3,171.8	3,004.9	1,519.50	25.00	0.00	0	0		
									point41	41	3,145.7	3,085.7	1,519.00	25.00	0.00	0	0		
									point43	43	3,079.8	3,243.7	1,517.00	25.00	0.00	0	0		
									point44	44	3,027.7	3,340.9	1,515.00	25.00					
Barrier48	W	0.00	99.99	0.00				0.00	point135	135	3,514.0	2,337.9	1,545.00	15.00	0.00	0	0		
									point34	34	3,505.2	2,543.5	1,545.00	15.00	0.00	0	0		
									point35	35	3,553.4	2,545.7	1,545.00	15.00					
Barrier49	W	0.00	99.99	0.00				0.00	point137	137	3,450.5	2,414.5	1,545.00	15.00	0.00	0	0		
									point31	31	3,450.5	2,547.9	1,545.00	15.00	0.00	0	0		
									point32	32	3,496.5	2,545.7	1,545.00	15.00					

**RESULTS: SOUND LEVELS**

**PN11413**

<b>Dudek</b>												
<b>MG</b>												
<b>6 February 2019</b>												
<b>TNM 2.5</b>												
<b>Calculated with TNM 2.5</b>												
<b>RESULTS: SOUND LEVELS</b>												
<b>PROJECT/CONTRACT:</b>			<b>PN11413</b>									
<b>RUN:</b>			<b>Moreno Valley Welcome Cntr - Exist w Prj</b>									
<b>BARRIER DESIGN:</b>			<b>INPUT HEIGHTS</b>									
<b>Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.</b>												
<b>ATMOSPHERICS:</b>			<b>68 deg F, 50% RH</b>									
<b>Receiver</b>												
<b>Name</b>	<b>No.</b>	<b>#DUs</b>	<b>Existing LAeq1h</b>	<b>No Barrier LAeq1h</b>	<b>Increase over existing</b>			<b>Type</b>	<b>With Barrier</b>		<b>Noise Reduction</b>	
				<b>Calculated</b>	<b>Crit'n</b>	<b>Calculated</b>	<b>Crit'n</b>	<b>Impact</b>	<b>Calculated LAeq1h</b>	<b>Calculated</b>	<b>Goal</b>	<b>Calculated minus Goal</b>
			<b>dBA</b>	<b>dBA</b>	<b>dBA</b>	<b>dB</b>	<b>dB</b>		<b>dBA</b>	<b>dB</b>	<b>dB</b>	<b>dB</b>
ST1	1	1	0.0	50.7	66	50.7	10	----	50.7	0.0	8	-8.0
ST2	2	1	0.0	43.5	66	43.5	10	----	43.5	0.0	8	-8.0
ST3	3	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0
ST4	4	1	0.0	61.5	66	61.5	10	----	61.5	0.0	8	-8.0
ST5	5	1	0.0	72.1	66	72.1	10	Snd Lvl	72.1	0.0	8	-8.0
ST6	6	1	0.0	73.2	66	73.2	10	Snd Lvl	73.2	0.0	8	-8.0
M1	8	1	0.0	63.6	66	63.6	10	----	63.6	0.0	8	-8.0
M2	9	1	0.0	60.0	66	60.0	10	----	60.0	0.0	8	-8.0
M3	10	1	0.0	56.4	66	56.4	10	----	56.4	0.0	8	-8.0
M4	11	1	0.0	61.3	66	61.3	10	----	61.3	0.0	8	-8.0
<b>Dwelling Units</b>		<b># DUs</b>	<b>Noise Reduction</b>									
			<b>Min</b>	<b>Avg</b>	<b>Max</b>							
			<b>dB</b>	<b>dB</b>	<b>dB</b>							
All Selected		10	0.0	0.0	0.0							
All Impacted		2	0.0	0.0	0.0							
All that meet NR Goal		0	0.0	0.0	0.0							

Dudek MG				6 February 2019 TNM 2.5							
INPUT: ROADWAYS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA				
PROJECT/CONTRACT: PN11413											
RUN: Moreno Vily Wlcm Cntr - Opening Year											
Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Laselle Street - South of College Drive	65.0	point1	1	2,345.9	518.0	1,509.00				Average	
		point3	3	2,635.3	1,025.1	1,517.00				Average	
		point4	4	2,897.1	1,460.5	1,522.00				Average	
		point57	57	3,012.9	1,653.4	1,524.00				Average	
		point5	5	3,128.6	1,846.4	1,526.00				Average	
		point6	6	3,225.1	2,055.8	1,528.00				Average	
		point7	7	3,255.4	2,174.4	1,529.00				Average	
		point8	8	3,266.5	2,232.3	1,530.00				Average	
		point9	9	3,294.0	2,427.9	1,528.00				Average	
		point10	10	3,310.6	2,703.5	1,527.00				Average	
		point11	11	3,306.2	2,784.5	1,526.00					
Krameria Avenue west of Laselle Street	65.0	point50	50	1,025.1	860.9	1,483.00				Average	
		point18	18	1,270.4	1,031.8	1,484.00				Average	
		point19	19	1,449.5	1,142.0	1,484.00				Average	
		point20	20	1,595.6	1,216.5	1,485.00				Average	
		point21	21	1,708.6	1,241.3	1,486.00				Average	
		point22	22	1,871.2	1,263.3	1,488.00				Average	
		point23	23	2,061.4	1,255.1	1,493.00				Average	
		point24	24	2,226.7	1,224.8	1,500.00				Average	
		point25	25	2,292.9	1,202.7	1,505.00				Average	
		point26	26	2,441.7	1,142.0	1,510.00				Average	
		point27	27	2,612.6	1,034.6	1,517.00					
College Drive	60.0	point52	52	3,325.9	2,776.9	1,526.00				Average	
		point48	48	3,631.5	2,802.9	1,535.00				Average	
		point2	2	3,893.7	2,809.8	1,550.00					

**INPUT: ROADWAYS**

**PN11413**

Cahilla Drive	40.0	point54	54	3,278.6	2,236.2	1,530.00				Average
		point45	45	3,783.8	2,107.7	1,554.00				Average
		point46	46	4,287.3	1,982.7	1,578.00				
Krameria Avenue	65.0	point56	56	2,659.4	1,004.3	1,517.00				Average
		point29	29	2,797.2	921.6	1,524.00				Average
		point30	30	2,959.9	825.1	1,528.00				Average
		point31	31	3,133.5	742.4	1,531.00				Average
		point32	32	3,382.9	703.0	1,568.00				Average
		point33	33	3,457.2	703.0	1,545.00				Average
		point34	34	3,619.1	742.4	1,555.00				Average
		point35	35	3,816.0	816.8	1,563.00				Average
		point36	36	3,934.1	904.3	1,565.00				Average
		point37	37	4,061.0	1,022.4	1,568.00				Average
		point38	38	4,139.1	1,156.1	1,570.00				Average
		point39	39	4,186.0	1,265.5	1,574.00				Average
		point40	40	4,220.7	1,394.0	1,575.00				Average
		point41	41	4,239.8	1,503.4	1,576.00				Average
		point42	42	4,262.4	1,786.4	1,577.00				Average
		point43	43	4,276.3	1,960.9	1,578.00				
Laselle Street-North of College Drive	76.0	point58	58	3,306.2	2,784.5	1,526.00				Average
		point12	12	3,286.5	2,937.6	1,522.00				Average
		point13	13	3,223.1	3,114.8	1,518.00				Average
		point14	14	3,144.3	3,333.5	1,512.00				Average
		point15	15	2,990.0	3,680.8	1,500.00				Average
		point16	16	2,808.1	4,105.2	1,500.00				
Krameria Avenue - North of Cahilla Drive	65.0	point59	59	4,279.4	2,000.0	1,578.00				Average
		point60	60	4,308.1	2,386.2	1,585.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

PN11413

Dudek		6 February 2019										
MG		TNM 2.5										
INPUT: TRAFFIC FOR LAeq1h Volumes												
PROJECT/CONTRACT:		PN11413										
RUN:		Moreno Villy Wlcm Cntr - Opening Year										
Roadway	Points											
Name	Name	No.	Segment		MTrucks		HTrucks		Buses		Motorcycles	
			Autos		V	S	V	S	V	S	V	S
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph
Laselle Street - South of College Drive	point1	1	2534	45	52	45	26	45	0	0	0	0
	point3	3	2534	45	52	45	26	45	0	0	0	0
	point4	4	2534	45	52	45	26	45	0	0	0	0
	point57	57	2534	45	52	45	26	45	0	0	0	0
	point5	5	2534	45	52	45	26	45	0	0	0	0
	point6	6	2534	45	52	45	26	45	0	0	0	0
	point7	7	2534	45	52	45	26	45	0	0	0	0
	point8	8	2534	45	52	45	26	45	0	0	0	0
	point9	9	2534	45	52	45	26	45	0	0	0	0
	point10	10	2534	45	52	45	26	45	0	0	0	0
	point11	11										
Krameria Avenue west of Laselle Street	point50	50	509	35	10	35	5	35	0	0	0	0
	point18	18	509	35	10	35	5	35	0	0	0	0
	point19	19	509	35	10	35	5	35	0	0	0	0
	point20	20	509	35	10	35	5	35	0	0	0	0
	point21	21	509	35	10	35	5	35	0	0	0	0
	point22	22	509	35	10	35	5	35	0	0	0	0
	point23	23	509	35	10	35	5	35	0	0	0	0
	point24	24	509	35	10	35	5	35	0	0	0	0
College Drive	point25	25	509	35	10	35	5	35	0	0	0	0
	point26	26	509	35	10	35	5	35	0	0	0	0
	point27	27										
	point52	52	803	15	17	15	8	15	0	0	0	0

**INPUT: TRAFFIC FOR LAeq1h Volumes**

**PN11413**

	point48	48	803	15	17	15	8	15	0	0	0	0
	point2	2										
Cahilla Drive	point54	54	273	25	6	25	3	25	0	0	0	0
	point45	45	273	25	6	25	3	25	0	0	0	0
	point46	46										
Krameria Avenue	point56	56	509	35	10	35	5	35	0	0	0	0
	point29	29	509	35	10	35	5	35	0	0	0	0
	point30	30	509	35	10	35	5	35	0	0	0	0
	point31	31	509	35	10	35	5	35	0	0	0	0
	point32	32	509	35	10	35	5	35	0	0	0	0
	point33	33	509	35	10	35	5	35	0	0	0	0
	point34	34	509	35	10	35	5	35	0	0	0	0
	point35	35	509	35	10	35	5	35	0	0	0	0
	point36	36	509	35	10	35	5	35	0	0	0	0
	point37	37	509	35	10	35	5	35	0	0	0	0
	point38	38	509	35	10	35	5	35	0	0	0	0
	point39	39	509	35	10	35	5	35	0	0	0	0
	point40	40	509	35	10	35	5	35	0	0	0	0
	point41	41	509	35	10	35	5	35	0	0	0	0
	point42	42	509	35	10	35	5	35	0	0	0	0
	point43	43										
Laselle Street-North of College Drive	point58	58	3115	45	64	45	32	45	0	0	0	0
	point12	12	3115	45	64	45	32	45	0	0	0	0
	point13	13	3115	45	64	45	32	45	0	0	0	0
	point14	14	3115	45	64	45	32	45	0	0	0	0
	point15	15	3115	45	64	45	32	45	0	0	0	0
	point16	16										
Krameria Avenue - North of Cahilla Drive	point59	59	309	25	6	25	3	25	0	0	0	0
	point60	60										



**INPUT: RECEIVERS**

**PN11413**

							<b>6 February 2019</b>					
<b>Dudek</b>												
<b>MG</b>							<b>TNM 2.5</b>					
<b>INPUT: RECEIVERS</b>												
<b>PROJECT/CONTRACT:</b>		<b>PN11413</b>										
<b>RUN:</b>		<b>Moreno Vllly Wlcm Cntr - Opening Year</b>										
<b>Receiver</b>												
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.	
			X	Y	Z		Existing LAeq1h	Impact LAeq1h	Criteria Sub'l	NR Goal		
			ft	ft	ft	ft	dBA	dBA	dB	dB		
ST1	1	1	4,037.8	2,693.9	1,550.00	5.00	0.00	66	10.0	8.0	Y	
ST2	2	1	4,303.4	2,949.2	1,565.00	5.00	0.00	66	10.0	8.0	Y	
ST3	3	1	4,145.9	2,064.6	1,570.00	5.00	0.00	66	10.0	8.0	Y	
ST4	4	1	4,313.2	1,950.8	1,580.00	5.00	0.00	66	10.0	8.0	Y	
ST5	5	1	3,348.1	2,625.8	1,540.00	5.00	0.00	66	10.0	8.0	Y	
ST6	6	1	3,209.9	3,265.8	1,512.00	5.00	0.00	66	10.0	8.0	Y	
M1	8	1	3,217.5	2,935.9	1,520.00	5.00	0.00	66	10.0	8.0	Y	
M2	9	1	4,314.2	1,607.8	1,577.00	5.00	0.00	66	10.0	8.0	Y	
M3	10	1	4,118.3	1,674.6	1,578.00	5.00	0.00	66	10.0	8.0	Y	
M4	11	1	2,949.9	1,673.2	1,527.00	5.00	0.00	66	10.0	8.0	Y	



INPUT: BARRIERS

PN11413

									point50	50	3,201.6	649.1	1,531.00	25.00	0.00	0	0		
									point51	51	3,399.6	631.7	1,568.00	25.00	0.00	0	0		
									point52	52	3,492.7	636.6	1,545.00	25.00	0.00	0	0		
									point53	53	3,653.1	659.5	1,555.00	25.00	0.00	0	0		
									point54	54	3,805.9	711.6	1,563.00	25.00	0.00	0	0		
									point55	55	4,000.3	826.2	1,565.00	25.00	0.00	0	0		
									point56	56	4,114.2	937.3	1,568.00	25.00	0.00	0	0		
									point57	57	4,207.3	1,101.2	1,570.00	25.00	0.00	0	0		
									point58	58	4,267.7	1,197.8	1,574.00	25.00	0.00	0	0		
									point59	59	4,308.7	1,423.5	1,575.00	25.00					
Barrier45	W	0.00	99.99	0.00			0.00		point109	109	2,609.7	1,189.3	1,520.00	25.00	0.00	0	0		
									point61	61	2,824.1	1,515.1	1,525.00	25.00	0.00	0	0		
									point62	62	2,928.9	1,673.8	1,527.00	25.00	0.00	0	0		
									point63	63	3,043.0	1,876.8	1,529.00	25.00	0.00	0	0		
									point64	64	3,136.8	2,050.0	1,531.00	25.00	0.00	0	0		
									point142	142	3,180.8	2,196.7	1,531.00	25.00	0.00	0	0		
									point143	143	3,211.3	2,308.6	1,531.00	25.00	0.00	0	0		
									point65	65	3,222.5	2,381.9	1,530.00	25.00					
Barrier46	W	0.00	99.99	0.00			0.00		point111	111	4,326.8	1,534.6	1,576.00	25.00	0.00	0	0		
									point73	73	4,375.3	1,954.8	1,577.00	25.00	0.00	0	0		
									point74	74	4,771.2	1,836.7	1,578.00	25.00					
Barrier47	W	0.00	99.99	0.00			0.00		point113	113	3,963.8	2,143.9	1,570.00	15.00	0.00	0	0		
									point76	76	4,070.9	2,141.7	1,570.00	15.00	0.00	0	0		
									point77	77	4,068.7	2,178.9	1,570.00	15.00	0.00	0	0		
									point78	78	4,116.9	2,176.7	1,570.00	15.00	0.00	0	0		
									point79	79	4,110.3	2,229.2	1,570.00	15.00					
Barrier50	W	0.00	99.99	0.00			0.00		point115	115	4,202.2	3,158.9	1,565.00	35.00	0.00	0	0		
									point84	84	4,550.0	2,815.5	1,565.00	35.00	0.00	0	0		
									point85	85	4,628.7	2,889.9	1,565.00	35.00	0.00	0	0		
									point86	86	4,265.6	3,239.9	1,565.00	35.00					
Barrier51	W	0.00	99.99	0.00			0.00		point117	117	4,053.4	2,881.1	1,560.00	35.00	0.00	0	0		
									point88	88	4,049.1	3,130.5	1,560.00	35.00	0.00	0	0		
									point89	89	4,130.0	3,128.3	1,560.00	35.00	0.00	0	0		
									point90	90	4,130.0	2,878.9	1,560.00	35.00					
Barrier52	W	0.00	99.99	0.00			0.00		point119	119	4,090.6	2,780.5	1,550.00	15.00	0.00	0	0		
									point92	92	4,182.5	2,769.5	1,550.00	15.00	0.00	0	0		
									point93	93	4,182.5	2,738.9	1,550.00	15.00					
Barrier53	W	0.00	99.99	0.00			0.00		point121	121	4,213.1	2,824.2	1,550.00	15.00	0.00	0	0		
									point95	95	4,206.6	2,736.7	1,550.00	15.00	0.00	0	0		
									point96	96	4,276.6	2,738.9	1,550.00	15.00					
Barrier54	W	0.00	99.99	0.00			0.00		point123	123	4,296.3	2,806.7	1,550.00	15.00	0.00	0	0		
									point98	98	4,296.3	2,741.1	1,550.00	15.00	0.00	0	0		
									point99	99	4,355.3	2,741.1	1,550.00	15.00					
Barrier55	W	0.00	99.99	0.00			0.00		point125	125	4,206.6	2,623.0	1,550.00	15.00	0.00	0	0		
									point101	101	4,283.1	2,618.6	1,550.00	15.00	0.00	0	0		
									point24	24	4,285.3	2,666.7	1,550.00	15.00					
Barrier56	W	0.00	99.99	0.00			0.00		point127	127	4,180.3	2,115.5	1,570.00	15.00	0.00	0	0		
									point81	81	4,178.1	2,063.0	1,570.00	15.00	0.00	0	0		
									point82	82	4,230.6	2,058.6	1,570.00	15.00					

**INPUT: BARRIERS**

**PN11413**

Barrier57	W	0.00	99.99	0.00				0.00	point129	129	3,387.1	2,353.2	1,545.00	15.00	0.00	0	0		
									point28	28	3,389.3	2,480.1	1,545.00	15.00	0.00	0	0		
									point29	29	3,437.4	2,477.9	1,545.00	15.00					
Barrier58	W	0.00	99.99	0.00				0.00	point131	131	3,771.1	1,371.4	1,575.00	25.00	0.00	0	0		
									point70	70	3,851.0	1,350.5	1,575.00	25.00	0.00	0	0		
									point71	71	3,864.9	1,423.5	1,575.00	25.00					
Barrier59	W	0.00	99.99	0.00				0.00	point133	133	3,231.7	2,484.1	1,530.00	25.00	0.00	0	0		
									point37	37	3,236.0	2,634.3	1,530.00	25.00	0.00	0	0		
									point38	38	3,234.3	2,747.1	1,528.00	25.00	0.00	0	0		
									point39	39	3,227.3	2,818.3	1,525.00	25.00	0.00	0	0		
									point40	40	3,197.8	2,924.2	1,520.00	25.00	0.00	0	0		
									point140	140	3,171.8	3,004.9	1,519.50	25.00	0.00	0	0		
									point41	41	3,145.7	3,085.7	1,519.00	25.00	0.00	0	0		
									point43	43	3,079.8	3,243.7	1,517.00	25.00	0.00	0	0		
									point44	44	3,027.7	3,340.9	1,515.00	25.00					
Barrier48	W	0.00	99.99	0.00				0.00	point135	135	3,514.0	2,337.9	1,545.00	15.00	0.00	0	0		
									point34	34	3,505.2	2,543.5	1,545.00	15.00	0.00	0	0		
									point35	35	3,553.4	2,545.7	1,545.00	15.00					
Barrier49	W	0.00	99.99	0.00				0.00	point137	137	3,450.5	2,414.5	1,545.00	15.00	0.00	0	0		
									point31	31	3,450.5	2,547.9	1,545.00	15.00	0.00	0	0		
									point32	32	3,496.5	2,545.7	1,545.00	15.00					

RESULTS: SOUND LEVELS

PN11413

Dudek										6 February 2019			
MG										TNM 2.5			
										Calculated with TNM 2.5			
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:										PN11413			
RUN:										Moreno Vllly Wlcm Cntr - Opening Year			
BARRIER DESIGN:										INPUT HEIGHTS			
										Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.			
ATMOSPHERICS:										68 deg F, 50% RH			
Receiver													
Name		No.	#DUs	Existing LAeq1h	No Barrier LAeq1h	Increase over existing		Type	With Barrier	Noise Reduction			
					Calculated	Crit'n	Calculated	Crit'n	Impact	Calculated LAeq1h	Calculated	Goal	Calculated minus Goal
				dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	51.0	66	51.0	10	----	51.0	0.0	8	-8.0	
ST2	2	1	0.0	43.9	66	43.9	10	----	43.9	0.0	8	-8.0	
ST3	3	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0	
ST4	4	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0	
ST5	5	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0	
ST6	6	1	0.0	73.6	66	73.6	10	Snd Lvl	73.6	0.0	8	-8.0	
M1	8	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0	
M2	9	1	0.0	60.1	66	60.1	10	----	60.1	0.0	8	-8.0	
M3	10	1	0.0	56.6	66	56.6	10	----	56.6	0.0	8	-8.0	
M4	11	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0	
Dwelling Units			# DUs	Noise Reduction									
				Min	Avg	Max							
				dB	dB	dB							
All Selected			10	0.0	0.0	0.0							
All Impacted			2	0.0	0.0	0.0							
All that meet NR Goal			0	0.0	0.0	0.0							

INPUT: ROADWAYS

PN11413

Dudek MG				6 February 2019 TNM 2.5							
INPUT: ROADWAYS							Average pavement type shall be used unless a State highway agency substantiates the use of a different type with the approval of FHWA				
PROJECT/CONTRACT:		PN11413									
RUN:		Mrno Vily Wlcm Cntr - Openg Yr + Prj									
Roadway Name	Width	Points Name	No.	Coordinates (pavement)			Flow Control			Segment	
				X	Y	Z	Control Device	Speed Constraint	Percent Vehicles Affected	Pvmt Type	On Struct?
	ft			ft	ft	ft		mph	%		
Laselle Street - South of College Drive	65.0	point1	1	2,345.9	518.0	1,509.00				Average	
		point3	3	2,635.3	1,025.1	1,517.00				Average	
		point4	4	2,897.1	1,460.5	1,522.00				Average	
		point57	57	3,012.9	1,653.4	1,524.00				Average	
		point5	5	3,128.6	1,846.4	1,526.00				Average	
		point6	6	3,225.1	2,055.8	1,528.00				Average	
		point7	7	3,255.4	2,174.4	1,529.00				Average	
		point8	8	3,266.5	2,232.3	1,530.00				Average	
		point9	9	3,294.0	2,427.9	1,528.00				Average	
		point10	10	3,310.6	2,703.5	1,527.00				Average	
		point11	11	3,306.2	2,784.5	1,526.00					
Krameria Avenue west of Laselle Street	65.0	point50	50	1,025.1	860.9	1,483.00				Average	
		point18	18	1,270.4	1,031.8	1,484.00				Average	
		point19	19	1,449.5	1,142.0	1,484.00				Average	
		point20	20	1,595.6	1,216.5	1,485.00				Average	
		point21	21	1,708.6	1,241.3	1,486.00				Average	
		point22	22	1,871.2	1,263.3	1,488.00				Average	
		point23	23	2,061.4	1,255.1	1,493.00				Average	
		point24	24	2,226.7	1,224.8	1,500.00				Average	
		point25	25	2,292.9	1,202.7	1,505.00				Average	
		point26	26	2,441.7	1,142.0	1,510.00				Average	
		point27	27	2,612.6	1,034.6	1,517.00					
College Drive	60.0	point52	52	3,325.9	2,776.9	1,526.00				Average	
		point48	48	3,631.5	2,802.9	1,535.00				Average	
		point2	2	3,893.7	2,809.8	1,550.00					

**INPUT: ROADWAYS**

**PN11413**

Cahilla Drive	40.0	point54	54	3,278.6	2,236.2	1,530.00				Average
		point45	45	3,783.8	2,107.7	1,554.00				Average
		point46	46	4,287.3	1,982.7	1,578.00				
Krameria Avenue	65.0	point56	56	2,659.4	1,004.3	1,517.00				Average
		point29	29	2,797.2	921.6	1,524.00				Average
		point30	30	2,959.9	825.1	1,528.00				Average
		point31	31	3,133.5	742.4	1,531.00				Average
		point32	32	3,382.9	703.0	1,568.00				Average
		point33	33	3,457.2	703.0	1,545.00				Average
		point34	34	3,619.1	742.4	1,555.00				Average
		point35	35	3,816.0	816.8	1,563.00				Average
		point36	36	3,934.1	904.3	1,565.00				Average
		point37	37	4,061.0	1,022.4	1,568.00				Average
		point38	38	4,139.1	1,156.1	1,570.00				Average
		point39	39	4,186.0	1,265.5	1,574.00				Average
		point40	40	4,220.7	1,394.0	1,575.00				Average
		point41	41	4,239.8	1,503.4	1,576.00				Average
		point42	42	4,262.4	1,786.4	1,577.00				Average
		point43	43	4,276.3	1,960.9	1,578.00				
Laselle Street-North of College Drive	76.0	point58	58	3,306.2	2,784.5	1,526.00				Average
		point12	12	3,286.5	2,937.6	1,522.00				Average
		point13	13	3,223.1	3,114.8	1,518.00				Average
		point14	14	3,144.3	3,333.5	1,512.00				Average
		point15	15	2,990.0	3,680.8	1,500.00				Average
		point16	16	2,808.1	4,105.2	1,500.00				
Krameria Avenue - North of Cahilla Drive	65.0	point59	59	4,279.4	2,000.0	1,578.00				Average
		point60	60	4,308.1	2,386.2	1,585.00				

INPUT: TRAFFIC FOR LAeq1h Volumes

PN11413

Dudek													
MG													
INPUT: TRAFFIC FOR LAeq1h Volumes													
PROJECT/CONTRACT:	PN11413												
RUN:	Mrno Vily Wlcm Cntr - Openg Yr + Prj												
Roadway	Points												
Name	Name	No.	Segment										
			Autos		MTrucks		HTrucks		Buses		Motorcycles		
			V	S	V	S	V	S	V	S	V	S	
			veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	veh/hr	mph	
Laselle Street - South of College Drive	point1	1	2538	45	52	45	26	45	0	0	0	0	
	point3	3	2538	45	52	45	26	45	0	0	0	0	
	point4	4	2538	45	52	45	26	45	0	0	0	0	
	point57	57	2538	45	52	45	26	45	0	0	0	0	
	point5	5	2538	45	52	45	26	45	0	0	0	0	
	point6	6	2538	45	52	45	26	45	0	0	0	0	
	point7	7	2538	45	52	45	26	45	0	0	0	0	
	point8	8	2538	45	52	45	26	45	0	0	0	0	
	point9	9	2538	45	52	45	26	45	0	0	0	0	
	point10	10	2538	45	52	45	26	45	0	0	0	0	
	point11	11											
Krameria Avenue west of Laselle Street	point50	50	519	35	11	35	5	35	0	0	0	0	
	point18	18	519	35	11	35	5	35	0	0	0	0	
	point19	19	519	35	11	35	5	35	0	0	0	0	
	point20	20	519	35	11	35	5	35	0	0	0	0	
	point21	21	519	35	11	35	5	35	0	0	0	0	
	point22	22	519	35	11	35	5	35	0	0	0	0	
	point23	23	519	35	11	35	5	35	0	0	0	0	
	point24	24	519	35	11	35	5	35	0	0	0	0	
	point25	25	519	35	11	35	5	35	0	0	0	0	
	point26	26	519	35	11	35	5	35	0	0	0	0	
	point27	27											
College Drive	point52	52	820	15	17	15	8	15	0	0	0	0	



**INPUT: TRAFFIC FOR LAeq1h Volumes**

**PN11413**

	point48	48	820	15	17	15	8	15	0	0	0	0
	point2	2										
Cahilla Drive	point54	54	277	25	6	25	3	25	0	0	0	0
	point45	45	277	25	6	25	3	25	0	0	0	0
	point46	46										
Krameria Avenue	point56	56	519	35	11	35	5	35	0	0	0	0
	point29	29	519	35	11	35	5	35	0	0	0	0
	point30	30	519	35	11	35	5	35	0	0	0	0
	point31	31	519	35	11	35	5	35	0	0	0	0
	point32	32	519	35	11	35	5	35	0	0	0	0
	point33	33	519	35	11	35	5	35	0	0	0	0
	point34	34	519	35	11	35	5	35	0	0	0	0
	point35	35	519	35	11	35	5	35	0	0	0	0
	point36	36	519	35	11	35	5	35	0	0	0	0
	point37	37	519	35	11	35	5	35	0	0	0	0
	point38	38	519	35	11	35	5	35	0	0	0	0
	point39	39	519	35	11	35	5	35	0	0	0	0
	point40	40	519	35	11	35	5	35	0	0	0	0
	point41	41	519	35	11	35	5	35	0	0	0	0
	point42	42	519	35	11	35	5	35	0	0	0	0
	point43	43										
Laselle Street-North of College Drive	point58	58	3131	45	65	45	32	45	0	0	0	0
	point12	12	3131	45	65	45	32	45	0	0	0	0
	point13	13	3131	45	65	45	32	45	0	0	0	0
	point14	14	3131	45	65	45	32	45	0	0	0	0
	point15	15	3131	45	65	45	32	45	0	0	0	0
	point16	16										
Krameria Avenue - North of Cahilla Drive	point59	59	316	25	7	25	3	25	0	0	0	0
	point60	60										

**INPUT: RECEIVERS**

**PN11413**

							<b>6 February 2019</b>					
<b>Dudek</b>												
<b>MG</b>							<b>TNM 2.5</b>					
<b>INPUT: RECEIVERS</b>												
<b>PROJECT/CONTRACT:</b>		<b>PN11413</b>										
<b>RUN:</b>		<b>Mrno Vily Wlcm Cntr - Openg Yr + Prj</b>										
<b>Receiver</b>												
Name	No.	#DUs	Coordinates (ground)			Height above Ground	Input Sound Levels and Criteria				Active in Calc.	
			X	Y	Z		Existing LAeq1h	Impact LAeq1h	Criteria Sub'l	NR Goal		
			ft	ft	ft	ft	dBA	dBA	dB	dB		
ST1	1	1	4,037.8	2,693.9	1,550.00	5.00	0.00	66	10.0	8.0	Y	
ST2	2	1	4,303.4	2,949.2	1,565.00	5.00	0.00	66	10.0	8.0	Y	
ST3	3	1	4,145.9	2,064.6	1,570.00	5.00	0.00	66	10.0	8.0	Y	
ST4	4	1	4,313.2	1,950.8	1,580.00	5.00	0.00	66	10.0	8.0	Y	
ST5	5	1	3,348.1	2,625.8	1,540.00	5.00	0.00	66	10.0	8.0	Y	
ST6	6	1	3,209.9	3,265.8	1,512.00	5.00	0.00	66	10.0	8.0	Y	
M1	8	1	3,217.5	2,935.9	1,520.00	5.00	0.00	66	10.0	8.0	Y	
M2	9	1	4,314.2	1,607.8	1,577.00	5.00	0.00	66	10.0	8.0	Y	
M3	10	1	4,118.3	1,674.6	1,578.00	5.00	0.00	66	10.0	8.0	Y	
M4	11	1	2,949.9	1,673.2	1,527.00	5.00	0.00	66	10.0	8.0	Y	



INPUT: BARRIERS

PN11413

									point50	50	3,201.6	649.1	1,531.00	25.00	0.00	0	0		
									point51	51	3,399.6	631.7	1,568.00	25.00	0.00	0	0		
									point52	52	3,492.7	636.6	1,545.00	25.00	0.00	0	0		
									point53	53	3,653.1	659.5	1,555.00	25.00	0.00	0	0		
									point54	54	3,805.9	711.6	1,563.00	25.00	0.00	0	0		
									point55	55	4,000.3	826.2	1,565.00	25.00	0.00	0	0		
									point56	56	4,114.2	937.3	1,568.00	25.00	0.00	0	0		
									point57	57	4,207.3	1,101.2	1,570.00	25.00	0.00	0	0		
									point58	58	4,267.7	1,197.8	1,574.00	25.00	0.00	0	0		
									point59	59	4,308.7	1,423.5	1,575.00	25.00					
Barrier45	W	0.00	99.99	0.00			0.00		point109	109	2,609.7	1,189.3	1,520.00	25.00	0.00	0	0		
									point61	61	2,824.1	1,515.1	1,525.00	25.00	0.00	0	0		
									point62	62	2,928.9	1,673.8	1,527.00	25.00	0.00	0	0		
									point63	63	3,043.0	1,876.8	1,529.00	25.00	0.00	0	0		
									point64	64	3,136.8	2,050.0	1,531.00	25.00	0.00	0	0		
									point142	142	3,180.8	2,196.7	1,531.00	25.00	0.00	0	0		
									point143	143	3,211.3	2,308.6	1,531.00	25.00	0.00	0	0		
									point65	65	3,222.5	2,381.9	1,530.00	25.00					
Barrier46	W	0.00	99.99	0.00			0.00		point111	111	4,326.8	1,534.6	1,576.00	25.00	0.00	0	0		
									point73	73	4,375.3	1,954.8	1,577.00	25.00	0.00	0	0		
									point74	74	4,771.2	1,836.7	1,578.00	25.00					
Barrier47	W	0.00	99.99	0.00			0.00		point113	113	3,963.8	2,143.9	1,570.00	15.00	0.00	0	0		
									point76	76	4,070.9	2,141.7	1,570.00	15.00	0.00	0	0		
									point77	77	4,068.7	2,178.9	1,570.00	15.00	0.00	0	0		
									point78	78	4,116.9	2,176.7	1,570.00	15.00	0.00	0	0		
									point79	79	4,110.3	2,229.2	1,570.00	15.00					
Barrier50	W	0.00	99.99	0.00			0.00		point115	115	4,202.2	3,158.9	1,565.00	35.00	0.00	0	0		
									point84	84	4,550.0	2,815.5	1,565.00	35.00	0.00	0	0		
									point85	85	4,628.7	2,889.9	1,565.00	35.00	0.00	0	0		
									point86	86	4,265.6	3,239.9	1,565.00	35.00					
Barrier51	W	0.00	99.99	0.00			0.00		point117	117	4,053.4	2,881.1	1,560.00	35.00	0.00	0	0		
									point88	88	4,049.1	3,130.5	1,560.00	35.00	0.00	0	0		
									point89	89	4,130.0	3,128.3	1,560.00	35.00	0.00	0	0		
									point90	90	4,130.0	2,878.9	1,560.00	35.00					
Barrier52	W	0.00	99.99	0.00			0.00		point119	119	4,090.6	2,780.5	1,550.00	15.00	0.00	0	0		
									point92	92	4,182.5	2,769.5	1,550.00	15.00	0.00	0	0		
									point93	93	4,182.5	2,738.9	1,550.00	15.00					
Barrier53	W	0.00	99.99	0.00			0.00		point121	121	4,213.1	2,824.2	1,550.00	15.00	0.00	0	0		
									point95	95	4,206.6	2,736.7	1,550.00	15.00	0.00	0	0		
									point96	96	4,276.6	2,738.9	1,550.00	15.00					
Barrier54	W	0.00	99.99	0.00			0.00		point123	123	4,296.3	2,806.7	1,550.00	15.00	0.00	0	0		
									point98	98	4,296.3	2,741.1	1,550.00	15.00	0.00	0	0		
									point99	99	4,355.3	2,741.1	1,550.00	15.00					
Barrier55	W	0.00	99.99	0.00			0.00		point125	125	4,206.6	2,623.0	1,550.00	15.00	0.00	0	0		
									point101	101	4,283.1	2,618.6	1,550.00	15.00	0.00	0	0		
									point24	24	4,285.3	2,666.7	1,550.00	15.00					
Barrier56	W	0.00	99.99	0.00			0.00		point127	127	4,180.3	2,115.5	1,570.00	15.00	0.00	0	0		
									point81	81	4,178.1	2,063.0	1,570.00	15.00	0.00	0	0		
									point82	82	4,230.6	2,058.6	1,570.00	15.00					

**INPUT: BARRIERS**

**PN11413**

Barrier57	W	0.00	99.99	0.00				0.00	point129	129	3,387.1	2,353.2	1,545.00	15.00	0.00	0	0		
									point28	28	3,389.3	2,480.1	1,545.00	15.00	0.00	0	0		
									point29	29	3,437.4	2,477.9	1,545.00	15.00					
Barrier58	W	0.00	99.99	0.00				0.00	point131	131	3,771.1	1,371.4	1,575.00	25.00	0.00	0	0		
									point70	70	3,851.0	1,350.5	1,575.00	25.00	0.00	0	0		
									point71	71	3,864.9	1,423.5	1,575.00	25.00					
Barrier59	W	0.00	99.99	0.00				0.00	point133	133	3,231.7	2,484.1	1,530.00	25.00	0.00	0	0		
									point37	37	3,236.0	2,634.3	1,530.00	25.00	0.00	0	0		
									point38	38	3,234.3	2,747.1	1,528.00	25.00	0.00	0	0		
									point39	39	3,227.3	2,818.3	1,525.00	25.00	0.00	0	0		
									point40	40	3,197.8	2,924.2	1,520.00	25.00	0.00	0	0		
									point140	140	3,171.8	3,004.9	1,519.50	25.00	0.00	0	0		
									point41	41	3,145.7	3,085.7	1,519.00	25.00	0.00	0	0		
									point43	43	3,079.8	3,243.7	1,517.00	25.00	0.00	0	0		
									point44	44	3,027.7	3,340.9	1,515.00	25.00					
Barrier48	W	0.00	99.99	0.00				0.00	point135	135	3,514.0	2,337.9	1,545.00	15.00	0.00	0	0		
									point34	34	3,505.2	2,543.5	1,545.00	15.00	0.00	0	0		
									point35	35	3,553.4	2,545.7	1,545.00	15.00					
Barrier49	W	0.00	99.99	0.00				0.00	point137	137	3,450.5	2,414.5	1,545.00	15.00	0.00	0	0		
									point31	31	3,450.5	2,547.9	1,545.00	15.00	0.00	0	0		
									point32	32	3,496.5	2,545.7	1,545.00	15.00					

RESULTS: SOUND LEVELS

PN11413

Dudek										6 February 2019			
MG										TNM 2.5			
										Calculated with TNM 2.5			
RESULTS: SOUND LEVELS													
PROJECT/CONTRACT:										PN11413			
RUN:										Mrno Vily Wlcm Cntr - Openg Yr + Prj			
BARRIER DESIGN:										INPUT HEIGHTS			
										Average pavement type shall be used unless a State highway agency substantiates the use of a different type with approval of FHWA.			
ATMOSPHERICS:										68 deg F, 50% RH			
Receiver													
Name		No.	#DUs	Existing LAeq1h	No Barrier LAeq1h	Increase over existing		Type	With Barrier	Noise Reduction			
				Calculated	Calculated	Crit'n	Calculated	Crit'n	Impact	Calculated LAeq1h	Calculated	Goal	Calculated minus Goal
				dBA	dBA	dBA	dB	dB		dBA	dB	dB	dB
ST1	1	1	0.0	51.0	66	51.0	10	----	51.0	0.0	8	-8.0	
ST2	2	1	0.0	43.9	66	43.9	10	----	43.9	0.0	8	-8.0	
ST3	3	1	0.0	57.0	66	57.0	10	----	57.0	0.0	8	-8.0	
ST4	4	1	0.0	61.8	66	61.8	10	----	61.8	0.0	8	-8.0	
ST5	5	1	0.0	72.6	66	72.6	10	Snd Lvl	72.6	0.0	8	-8.0	
ST6	6	1	0.0	73.7	66	73.7	10	Snd Lvl	73.7	0.0	8	-8.0	
M1	8	1	0.0	64.0	66	64.0	10	----	64.0	0.0	8	-8.0	
M2	9	1	0.0	60.2	66	60.2	10	----	60.2	0.0	8	-8.0	
M3	10	1	0.0	56.7	66	56.7	10	----	56.7	0.0	8	-8.0	
M4	11	1	0.0	61.7	66	61.7	10	----	61.7	0.0	8	-8.0	
Dwelling Units			# DUs	Noise Reduction									
				Min	Avg	Max							
				dB	dB	dB							
All Selected			10	0.0	0.0	0.0							
All Impacted			2	0.0	0.0	0.0							
All that meet NR Goal			0	0.0	0.0	0.0							

**APPENDIX D-3**  
*Construction Noise Modeling*  
*Input and Output*





Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/28/2019  
 Case Description: Moreno Valley Welcome Center - Site Preparation

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Elementary School to the south	Residential	60	55	50

Description	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec (dBA)	Actual (dBA)		
Grader	No	40	85		640	0
Tractor	No	40	84		640	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Grader	62.9	58.9	N/A	N/A	N/A	N/A
Tractor	61.9	57.9	N/A	N/A	N/A	N/A
Total	62.9	61.4	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the west	Residential	60	55	50

Description	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec (dBA)	Actual (dBA)		
Grader	No	40	85		700	0
Tractor	No	40	84		700	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Grader	62.1	58.1	N/A	N/A	N/A	N/A
Tractor	61.1	57.1	N/A	N/A	N/A	N/A
Total	62.1	60.6	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the southeast	Residential	60	55	50

Description	Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec (dBA)	Actual (dBA)		
Grader	No	40	85			
Tractor	No	40	84			

Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Grader	No	40		85	750	0
Tractor	No	40		84	750	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	61.5	57.5	N/A	N/A	N/A	N/A
Tractor	60.5	56.5	N/A	N/A	N/A	N/A
Total	61.5	60	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the northwest	Residential	60	55	50

Equipment

Description	Device	Usage(%)	Impact	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec (dBA)	Actual (dBA)		
Grader	No	40		85		920	0
Tractor	No	40		84		920	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Grader	59.7	55.7	N/A	N/A	N/A	N/A
Tractor	58.7	54.7	N/A	N/A	N/A	N/A
Total	59.7	58.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 1/28/2019  
Case Description: Moreno Valley Welcome Center - Grading

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Elementary School to the south	Residential	60	55	50

Equipment

Description	Device	Usage(%)	Impact	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec (dBA)	Actual (dBA)		
Concrete Saw	No	20		89.6		640	0
Dozer	No	40		81.7		640	0
Backhoe	No	40		77.6		640	0
Tractor	No	40		84		640	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
			Day		Evening	
	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Concrete Saw	67.4	60.4	N/A	N/A	N/A	N/A

Dozer		59.5	55.5	N/A	N/A	N/A	N/A
Backhoe		55.4	51.4	N/A	N/A	N/A	N/A
Tractor		61.9	57.9	N/A	N/A	N/A	N/A
	Total	67.4	63.5	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)			Equipment		
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Residents to the west	Residential	60	55	50			
Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Concrete Saw	No	20		89.6	700	0	
Dozer	No	40		81.7	700	0	
Backhoe	No	40		77.6	700	0	
Tractor	No	40	84		700	0	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Saw	66.7	59.7	N/A	N/A	N/A	N/A
Dozer	58.7	54.8	N/A	N/A	N/A	N/A
Backhoe	54.6	50.7	N/A	N/A	N/A	N/A
Tractor	61.1	57.1	N/A	N/A	N/A	N/A
	Total	66.7	62.7	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)			Equipment		
		Daytime	Evening	Night	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)
Residents to the southeast	Residential	60	55	50			
Description	Device	Usage(%)	Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)	
Concrete Saw	No	20		89.6	750	0	
Dozer	No	40		81.7	750	0	
Backhoe	No	40		77.6	750	0	
Tractor	No	40	84		750	0	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Day Leq	Evening Lmax	Evening Leq
Concrete Saw	66.1	59.1	N/A	N/A	N/A	N/A
Dozer	58.1	54.2	N/A	N/A	N/A	N/A
Backhoe	54	50.1	N/A	N/A	N/A	N/A
Tractor	60.5	56.5	N/A	N/A	N/A	N/A
	Total	66.1	62.1	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the northwest	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec (dBA)	Actual Lmax (dBA)		
Concrete Saw	No	20		89.6	920	0
Dozer	No	40		81.7	920	0
Backhoe	No	40		77.6	920	0
Tractor	No	40	84		920	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Saw	64.3	57.3	N/A	N/A	N/A	N/A
Dozer	56.4	52.4	N/A	N/A	N/A	N/A
Backhoe	52.3	48.3	N/A	N/A	N/A	N/A
Tractor	58.7	54.7	N/A	N/A	N/A	N/A
Total	64.3	60.3	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/28/2019  
Case Description: Moreno Valley Welcome Center - Building Construction

		---- Receptor #1 ----		
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Elementary School to the south	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec (dBA)	Actual Lmax (dBA)		
Crane	No	16		80.6	640	0
Man Lift	No	20		74.7	640	0
Man Lift	No	20		74.7	640	0
Backhoe	No	40		77.6	640	0
Front End Loader	No	40		79.1	640	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	58.4	50.4	N/A	N/A	N/A	N/A
Man Lift	52.6	45.6	N/A	N/A	N/A	N/A
Man Lift	52.6	45.6	N/A	N/A	N/A	N/A
Backhoe	55.4	51.4	N/A	N/A	N/A	N/A
Front End Loader	57	53	N/A	N/A	N/A	N/A
Total	58.4	57.2	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

		---- Receptor #2 ----		
Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the west	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16		80.6	700	0
Man Lift	No	20		74.7	700	0
Man Lift	No	20		74.7	700	0
Backhoe	No	40		77.6	700	0
Front End Loader	No	40		79.1	700	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	57.6	49.7	N/A	N/A	N/A	N/A
Man Lift	51.8	44.8	N/A	N/A	N/A	N/A
Man Lift	51.8	44.8	N/A	N/A	N/A	N/A
Backhoe	54.6	50.7	N/A	N/A	N/A	N/A
Front End Loader	56.2	52.2	N/A	N/A	N/A	N/A
Total	57.6	56.4	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the southeast	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16		80.6	750	0
Man Lift	No	20		74.7	750	0
Man Lift	No	20		74.7	750	0
Backhoe	No	40		77.6	750	0
Front End Loader	No	40		79.1	750	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Crane	57	49.1	N/A	N/A	N/A	N/A
Man Lift	51.2	44.2	N/A	N/A	N/A	N/A
Man Lift	51.2	44.2	N/A	N/A	N/A	N/A
Backhoe	54	50.1	N/A	N/A	N/A	N/A
Front End Loader	55.6	51.6	N/A	N/A	N/A	N/A
Total	57	55.8	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the northwest	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax	Actual Lmax	Receptor Distance	Estimated Shielding
			(dBA)	(dBA)	(feet)	(dBA)
Crane	No	16		80.6	920	0
Man Lift	No	20		74.7	920	0

Man Lift	No	20	74.7	920	0
Backhoe	No	40	77.6	920	0
Front End Loader	No	40	79.1	920	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	Day			Evening		
*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Crane	55.3	47.3	N/A	N/A	N/A	N/A
Man Lift	49.4	42.4	N/A	N/A	N/A	N/A
Man Lift	49.4	42.4	N/A	N/A	N/A	N/A
Backhoe	52.3	48.3	N/A	N/A	N/A	N/A
Front End Loader	53.8	49.8	N/A	N/A	N/A	N/A
<b>Total</b>	<b>55.3</b>	<b>54</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/28/2019  
Case Description: Moreno Valley Welcome Center - Paving

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Elementary School to the south	Residential	60	55	50

Description	Device	Impact	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Pump Truck	No		20	81.4	640	0		
Paver	No		50	77.2	640	0		
Roller	No		20	80	640	0		
Front End Loader	No		40	79.1	640	0		

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	Day			Evening		
*Lmax	Leq	Lmax	Leq	Lmax	Leq	
Concrete Mixer Truck	56.7	52.7	N/A	N/A	N/A	N/A
Concrete Mixer Truck	56.7	52.7	N/A	N/A	N/A	N/A
Concrete Mixer Truck	56.7	52.7	N/A	N/A	N/A	N/A
Concrete Pump Truck	59.3	52.3	N/A	N/A	N/A	N/A
Paver	55.1	52.1	N/A	N/A	N/A	N/A
Roller	57.9	50.9	N/A	N/A	N/A	N/A
Front End Loader	57	53	N/A	N/A	N/A	N/A
<b>Total</b>	<b>59.3</b>	<b>60.8</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the west	Residential	60	55	50

Description	Device	Impact	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
				Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Mixer Truck	No		40	78.8	640	0		
Concrete Pump Truck	No		20	81.4	640	0		
Paver	No		50	77.2	640	0		
Roller	No		20	80	640	0		
Front End Loader	No		40	79.1	640	0		

Description	Impact Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Concrete Mixer Truck	No	40		78.8	700	0
Concrete Mixer Truck	No	40		78.8	700	0
Concrete Mixer Truck	No	40		78.8	700	0
Concrete Pump Truck	No	20		81.4	700	0
Paver	No	50		77.2	700	0
Roller	No	20		80	700	0
Front End Loader	No	40		79.1	700	0

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	55.9	51.9	N/A	N/A	N/A	N/A
Concrete Mixer Truck	55.9	51.9	N/A	N/A	N/A	N/A
Concrete Mixer Truck	55.9	51.9	N/A	N/A	N/A	N/A
Concrete Pump Truck	58.5	51.5	N/A	N/A	N/A	N/A
Paver	54.3	51.3	N/A	N/A	N/A	N/A
Roller	57.1	50.1	N/A	N/A	N/A	N/A
Front End Loader	56.2	52.2	N/A	N/A	N/A	N/A
Total	58.5	60	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the southeast	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)	Shielding (dBA)		
Concrete Mixer Truck	No	40		78.8	750	0	
Concrete Mixer Truck	No	40		78.8	750	0	
Concrete Mixer Truck	No	40		78.8	750	0	
Concrete Pump Truck	No	20		81.4	750	0	
Paver	No	50		77.2	750	0	
Roller	No	20		80	750	0	
Front End Loader	No	40		79.1	750	0	

Results

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day		Evening	
			Lmax	Leq	Lmax	Leq
Concrete Mixer Truck	55.3	51.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	55.3	51.3	N/A	N/A	N/A	N/A
Concrete Mixer Truck	55.3	51.3	N/A	N/A	N/A	N/A
Concrete Pump Truck	57.9	50.9	N/A	N/A	N/A	N/A
Paver	53.7	50.7	N/A	N/A	N/A	N/A
Roller	56.5	49.5	N/A	N/A	N/A	N/A
Front End Loader	55.6	51.6	N/A	N/A	N/A	N/A
Total	57.9	59.4	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the northwest	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Concrete Mixer Truck	No	40		78.8	920	0
Concrete Mixer Truck	No	40		78.8	920	0
Concrete Mixer Truck	No	40		78.8	920	0
Concrete Pump Truck	No	20		81.4	920	0
Paver	No	50		77.2	920	0
Roller	No	20		80	920	0
Front End Loader	No	40		79.1	920	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Concrete Mixer Truck	53.5	49.5	N/A	N/A	N/A	N/A
Concrete Mixer Truck	53.5	49.5	N/A	N/A	N/A	N/A
Concrete Mixer Truck	53.5	49.5	N/A	N/A	N/A	N/A
Concrete Pump Truck	56.1	49.1	N/A	N/A	N/A	N/A
Paver	51.9	48.9	N/A	N/A	N/A	N/A
Roller	54.7	47.7	N/A	N/A	N/A	N/A
Front End Loader	53.8	49.8	N/A	N/A	N/A	N/A
<b>Total</b>	<b>56.1</b>	<b>57.7</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/28/2019  
Case Description: Moreno Valley Welcome Center - Architectural Coating

---- Receptor #1 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Elementary School to the south	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment		Receptor Distance (feet)	Estimated Shielding (dBA)
			Spec Lmax (dBA)	Actual Lmax (dBA)		
Compressor (air)	No	40		77.7	640	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Compressor (air)	55.5	51.5	N/A	N/A	N/A	N/A
<b>Total</b>	<b>55.5</b>	<b>51.5</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the west	Residential	60	55	50

Impact	Equipment		Receptor Distance	Estimated Shielding
	Spec Lmax	Actual Lmax		



Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	700	0
Results						
Calculated (dBA)			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		62.1	58.1	N/A	N/A	N/A
	Total	62.1	60.6	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description		Land Use	Baselines (dBA)			
			Daytime	Evening	Night	
Residents to the southeast		Residential	60	55	50	
Equipment						
Impact			Spec	Actual	Receptor	Estimated
			Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	750	0

Results

Calculated (dBA)			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		54.1	50.2	N/A	N/A	N/A
	Total	54.1	50.2	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Description		Land Use	Baselines (dBA)			
			Daytime	Evening	Night	
Residents to the northwest		Residential	60	55	50	
Equipment						
Impact			Spec	Actual	Receptor	Estimated
			Lmax	Lmax	Distance	Shielding
Description	Device	Usage(%)	(dBA)	(dBA)	(feet)	(dBA)
Compressor (air)	No	40		77.7	920	0

Results

Calculated (dBA)			Noise Limits (dBA)			
			Day		Evening	
Equipment	*Lmax	Leq	Lmax	Leq	Lmax	Leq
Compressor (air)		52.4	48.4	N/A	N/A	N/A
	Total	52.4	48.4	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 2/6/2019  
Case Description: Moreno Valley Welcome Center - Trenching

---- Receptor #1 ----

Description		Land Use	Baselines (dBA)		
			Daytime	Evening	Night
Elementary School to the south		Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Slurry Trenching Machine	No	50		80.4	180	0
Backhoe	No	40		77.6	180	0

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Slurry Trenching Machine	69.2	66.2	N/A	N/A	N/A	N/A
Backhoe	66.4	62.5	N/A	N/A	N/A	N/A
<b>Total</b>	<b>69.2</b>	<b>67.7</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #2 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the west	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Slurry Trenching Machine	No	50		80.4	1150	0
Backhoe	No	40		77.6	1150	0

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Slurry Trenching Machine	53.1	50.1	N/A	N/A	N/A	N/A
Backhoe	50.3	46.3	N/A	N/A	N/A	N/A
<b>Total</b>	<b>53.1</b>	<b>51.6</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #3 ----

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Residents to the southeast	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Slurry Trenching Machine	No	50		80.4	30	0
Backhoe	No	40		77.6	35	0

Equipment	Calculated (dBA)		Noise Limits (dBA)			
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Slurry Trenching Machine	84.8	81.8	N/A	N/A	N/A	N/A
Backhoe	80.7	76.7	N/A	N/A	N/A	N/A
<b>Total</b>	<b>84.8</b>	<b>83</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>

\*Calculated Lmax is the Loudest value.

---- Receptor #4 ----

Baselines (dBA)

Description	Land Use	Daytime	Evening	Night
Residents to the northwest	Residential	60	55	50

Description	Impact Device	Usage(%)	Equipment			
			Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
Slurry Trenching Machine	No	50		80.4	1000	0
Backhoe	No	40		77.6	1000	0

Equipment	Results					
	Calculated (dBA)			Noise Limits (dBA)		
	*Lmax	Leq	Day Lmax	Leq	Evening Lmax	Leq
Slurry Trenching Machine	54.3	51.3	N/A	N/A	N/A	N/A
Backhoe	51.5	47.6	N/A	N/A	N/A	N/A
Total	54.3	52.9	N/A	N/A	N/A	N/A

\*Calculated Lmax is the Loudest value.



**APPENDIX D-4**  
*Mechanical Noise Data*





# Product Data

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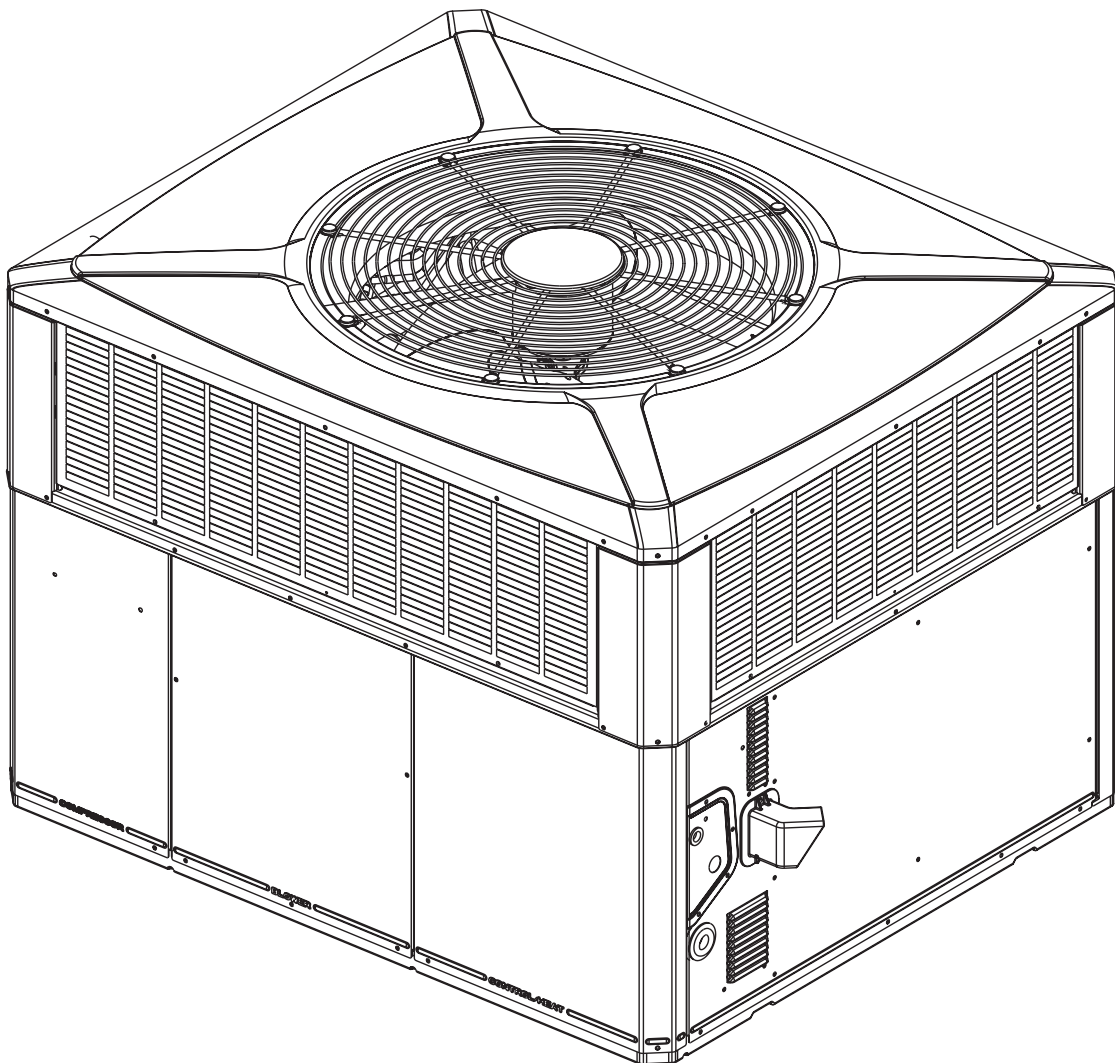
**4DCY4024 through 4DCY4060**

**Single Packaged Convertible Dual Fuel  
14 SEER**

**2 - 5 Ton, 40 - 120 MBTU**

**R-410A**

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# General Data

<b>MODEL</b>	4DCY4024A1064B	4DCY4030A1075B	4DCY4036C1075A
<b>RATED Volts/PH/Hz</b>	208-230/1/60	208-230/1/60	208-230/1/60
<b>Performance Cooling BTUH<sup>①</sup></b>	23600	30000	37000
Indoor Airflow (CFM)	760	880	1150
Power Input (KW)	2.162	2.15	3.11
EFER/SEFER(BTU/Watt-Hr.) <sup>⑥</sup>	12/14.0	12.0 / 14.25	12.0 / 14.0
<b>Sound Power Rating [dB(A)]<sup>⑦</sup></b>	68	71	69
<b>HP Heating Performance</b>			
(High Temp.)BTUH / COP	22400 / 3.7	28000 / 3.9	33200 / 3.6
Power Input (KW)	1.77	2.15	2.7
(Low Temp.) BTUH / COP	11600 / 2.38	15400 / 2.48	22400 / 2.4
Power Input (KW)	1.24	1.81	2.5
HSPF (BTU / Watt-Hr.)	8.0	8.0	8.0
<b>Gas Heating Performance<sup>②</sup></b>			
(High) Input BTUH	64000	75000	75000
Capacity BTUH	51500	60500	60500
Temp. Rise — Min/Max (°F)	35 / 65	30 / 60	30 / 60
(Low) Input BTUH	48000	56250	56250
Capacity BTUH	41200	48400	48400
AFUE	79	79.5	79.5
Type of Gas <sup>③</sup>	NATURAL	NATURAL/LP	NATURAL
Gas Pipe Size (in.)	1/2	1/2	1/2
<b>POWER CONN.—V/PH/Hz</b>	208-230/1/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity <sup>④</sup>	16.1	19.1	26.2
Fuse Size — Max. (amps)	25	30	40
Fuse Size — Recmd. (amps)	25	30	40
<b>COMPRESSOR</b>	RECIPROCATING	RECIPROCATING	SCROLL
Volts/Ph/Hz	208-230/1/60	200-230/1/60	208-230/1/60
R.L. Amps — L.R. Amps	8.3 / 57.8	11.1 / 63	16.7 / 79
<b>OUTDOOR COIL — TYPE</b>	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	13.32	13.32	15.49
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
<b>INDOOR COIL — TYPE</b>	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	3.54	3.54	3.54
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
<b>OUTDOOR FAN — TYPE</b>	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23.4	23.4	23.4
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. <sup>⑦</sup>	2590	3250	3310
Motor — HP/R.P.M.	1/12 / 810	1/6 / 830	1/5 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	0.54 / 0.95	1.0 / 1.7	1.1 / 1.9
<b>INDOOR FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	10 X 10	10 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. <sup>⑧</sup>	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1/2 / VARIABLE	1/2 / VARIABLE	1/2 / VARIABLE
Volts/Ph/Hz	200-230/1/60	208-230/1/60	200-230/1/60
F.L. Amps/L.R. Amps	4.3 / 4.3	4.3 / 4.3	4.3 / 4.3
<b>COMBUSTION FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor — HP/R.P.M. (High/Low)	1/45 / 2800/1500	1/45 / 2800/1500	1/45 / 2800/1500
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
FLA	0.34	0.34	0.34
<b>FILTER / FURNISHED</b>	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) <sup>⑥</sup>	4	4	4
<b>REFRIGERANT / Charge (lbs.)</b>	R410A / 6.5	R410A / 6.56	R410A / 7.5
<b>DIMENSIONS</b>	H X W X L	H X W X L	H X W X L
Crated (in.)	45.86 / 44.5 / 52.03	45.86 / 44.5 / 52.03	47.86 / 44.5 / 52.03
<b>WEIGHT / Shipping / Net (lbs.)</b>	481 / 385	481 / 385	488 / 392

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② All models are U L Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

⑧ Standard Air — Dry Coil — Outdoor.



# General Data

MODEL	4DCY4036B3075A	4DCY4042A1096B	4DCY4048B1096B
<b>RATED Volts/PH/Hz</b>	208-230/3/60	208-230/1/60	208-230/1/60
<b>Performance Cooling BTUH<sup>①</sup></b>	36000	42000	47500
Indoor Airflow (CFM)	1185	1370	1470
Power Input (KW)	3.28	3.27	3.96
EEER/SEER(BTU/Watt-Hr) <sup>⑤</sup>	11.4 / 14.0	12.0 / 14.25	12.0 / 14.0
<b>Sound Power Rating [dB(A)]<sup>⑦</sup></b>	69	74	73
<b>HP Heating Performance</b>			
(High Temp.)BTUH / COP	32400 / 3.5	39500 / 3.6	45000 / 3.5
Power Input (KW)	2.7	3.27	3.77
(Low Temp.) BTUH / COP	20600 / 2.36	23600 / 2.26	26800 / 2.3
Power Input (KW)	2.6	3.06	3.44
HSPF (BTU / Watt-Hr.)	8.0	8.0	8.0
<b>Gas Heating Performance<sup>②</sup></b>			
(High) Input BTUH	75000	96000	96000
Capacity BTUH	60500	77500	77500
Temp. Rise — Min/Max (°F)	30 / 60	30 / 60	30 / 60
(Low) Input BTUH	56250	72000	72000
Capacity BTUH	48400	62000	62000
AFUE	80.0	80	80
Type of Gas <sup>③</sup>	NATURAL	NATURAL/LP	NATURAL
Gas Pipe Size (in.)	1/2	1/2	1/2
<b>POWER CONN.—V/PH/HZ</b>	208-230/3/60	208-230/1/60	208-230/1/60
Min. Brch. Cir. Ampacity <sup>④</sup>	18.5	31.5	33.9
Fuse Size — Max. (amps)	25	50	50
Fuse Size — Recmd. (amps)	25	50	50
<b>COMPRESSOR</b>	SCROLL	SCROLL	SCROLL
Volts/Ph/Hz	208-230/3/60	208-230/1/60	208-230/1/60
R.L. Amps — L.R. Amps	10.4 / 73	18.6 / 105	20.5 / 109
<b>OUTDOOR COIL — TYPE</b>	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	15.49	18.01	18.01
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
<b>INDOOR COIL — TYPE</b>	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	4 / 15	3 / 15	3 / 15
Face Area (sq.ft.)	3.54	5	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
<b>OUTDOOR FAN — TYPE</b>	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	23.4	28.2	28.2
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. <sup>⑧</sup>	3270	4440	4450
Motor — HP/R.P.M.	1/5 / 830	1/4 / 825	1/4 / 825
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
F.L. Amps/L.R. Amps	1.1 / 1.9	1.5 / 3.4	1.4 / 3.5
<b>INDOOR FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	10 X 10	11 X 10	11 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. <sup>⑤</sup>	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	1/2 / VARIABLE	3/4 / VARIABLE	3/4 / VARIABLE
Volts/Ph/Hz	200-230/1/60	208-230/1/60	200-230/1/60
F.L. Amps/L.R. Amps	4.3 / 4.3	6.8 / 6.8	6.8 / 6.8
<b>COMBUSTION FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor — HP/R.P.M. (High/Low)	1/45 / 2800/1500	1/45 / 2800/1500	1/45 / 2800/1500
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
FLA	0.34	0.34	0.34
<b>FILTER / FURNISHED</b>	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) <sup>⑥</sup>	4	5.3	5.3
<b>REFRIGERANT / Charge (lbs.)</b>	R410A / 7.4	R410A / 7.25	R410A / 7.75
<b>DIMENSIONS</b>	H X W X L	H X W X L	H X W X L
Crated (in.)	47.86 / 44.5 / 52.03	47.86 / 47.4 / 61.75	47.86 / 47.4 / 61.75
<b>WEIGHT / Shipping / Net (lbs.)</b>	488 / 392	653 / 525	653 / 525

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② All models are U L Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

⑧ Standard Air — Dry Coil — Outdoor.

# General Data

MODEL	4DCY4048A3096C	4DCY4060B1120C	4DCY4060A3120C
<b>RATED Volts/PH/Hz</b>	208-230/3/60	208-230/1/60	208-230/3/60
<b>Performance Cooling BTUH<sup>①</sup></b>	47000	58000	57500
Indoor Airflow (CFM)	1470	1785	1745
Power Input (KW)	4.03	4.83	5.48
<b>EER/SEER(BTU/Watt-Hr.)<sup>②</sup></b>	10.85 / 14.0	12.0 / 14.0	11.3 / 14.0
<b>Sound Power Rating [dB(A)]<sup>⑦</sup></b>	73	76	76
<b>HP Heating Performance</b>			
(High Temp.) BTUH / COP	42500 / 3.5	55000 / 3.6	54500 / 3.5
Power Input (KW)	3.56	4.48	4.56
(Low Temp.) BTUH / COP	26800 / 2.3	35400 / 2.4	36400 / 2.48
Power Input (KW)	3.44	4.30	4.29
HSPF (BTU / Watt-Hr.)	8.0	8.0	8.0
<b>Gas Heating Performance<sup>②</sup></b>			
(High) Input BTUH	96000	120000	120000
Capacity BTUH	77500	96000	96000
Temp. Rise — Min/Max (°F)	30 / 60	30 / 60	30 / 60
(Low) Input BTUH	72000	90000	90000
Capacity BTUH	62000	77500	77500
AFUE	80	80.0	80.0
Type of Gas <sup>③</sup>	NATURAL	NATURAL	NATURAL
Gas Pipe Size (in.)	1/2	1/2	1/2
<b>POWER CONN.—V/PH/HZ</b>	208-230/3/60	208-230/1/60	208-230/3/60
Min. Brch. Cir. Ampacity <sup>④</sup>	25.3	39.9	28.6
Fuse Size — Max. (amps)	35	60	45
Fuse Size — Recmd. (amps)	35	60	45
<b>COMPRESSOR</b>	SCROLL	SCROLL	SCROLL
Volts/Ph/Hz	208-230/3/60	208-230/1/60	208-230/3/60
R.L. Amps — L.R. Amps	13.7 / 83.1	25 / 134	16.0 / 110
<b>OUTDOOR COIL — TYPE</b>	SPINE-FIN	SPINE-FIN	SPINE-FIN
Rows/F.P.I.	2 / 24	2 / 24	2 / 24
Face Area (sq.ft.)	18.01	23.07	23.57
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
<b>INDOOR COIL — TYPE</b>	PLATE FIN	PLATE FIN	PLATE FIN
Rows/F.P.I.	3 / 15	4 / 15	4 / 15
Face Area (sq.ft.)	5.0	5.0	5.0
Tube Size (in.)	3/8	3/8	3/8
Refrigerant Control	EXPANSION VALVE	EXPANSION VALVE	EXPANSION VALVE
Drain Conn. Size (in.)	3/4 FEMALE NPT	3/4 FEMALE NPT	3/4 FEMALE NPT
<b>OUTDOOR FAN — TYPE</b>	PROPELLER	PROPELLER	PROPELLER
Dia. (in.)	28.2	28.2	28.2
Drive/No. Speeds	DIRECT / 1	DIRECT / 1	DIRECT / 1
CFM @ 0.0 in. w.g. <sup>⑤</sup>	4450	5710	5710
Motor — HP/R.P.M.	1/4 / 825	1/3 / 830	1/3 / 830
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
E.L. Amps/L.R. Amps	1.4 / 3.5	1.7 / 3.5	1.7 / 3.5
<b>INDOOR FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Dia x Width (in.)	11 X 10	11 X 10	11 X 10
Drive/No. Speeds	DIRECT / VARIABLE	DIRECT / VARIABLE	DIRECT / VARIABLE
CFM @ 0.0 in. w.g. <sup>⑤</sup>	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE	SEE FAN PERFORMANCE TABLE
Motor — HP/R.P.M.	3/4 / VARIABLE	1 / VARIABLE	1 / VARIABLE
Volts/Ph/Hz	200-230/1/60	208-230/1/60	208-230/1/60
E.L. Amps/L.R. Amps	6.8 / 6.8	6.9 / 6.9	6.9 / 6.9
<b>COMBUSTION FAN — TYPE</b>	CENTRIFUGAL	CENTRIFUGAL	CENTRIFUGAL
Drive/No. Speeds	DIRECT / 2	DIRECT / 2	DIRECT / 2
Motor — HP/R.P.M. (High/Low)	1/45 / 2800/1500	1/45 / 2800/1500	1/45 / 2800/1500
Volts/Ph/Hz	208-230/1/60	208-230/1/60	208-230/1/60
ELA	0.34	0.34	0.34
<b>FILTER / FURNISHED</b>	NO	NO	NO
Type Recommended	THROWAWAY	THROWAWAY	THROWAWAY
Recmd. Face Area (sq. ft.) <sup>⑥</sup>	5.3	6.7	6.7
<b>REFRIGERANT / Charge (lbs.)</b>	R410A / 7.75	R410A / 11.94	R410A / 10.125
<b>DIMENSIONS</b>	H X W X L	H X W X L	H X W X L
Crated (in.)	47.86 / 47.4 / 61.75	51.86 / 47.4 / 61.75	51.86 / 47.4 / 61.75
<b>WEIGHT / Shipping / Net (lbs.)</b>	653 / 525	676 / 548	676 / 548

① Certified in accordance with the Unitary Air-Conditioner Equipment certification program, which is based on AHRI Standard 210/240.

② All models are U.L. Listed. Ratings shown are for elevations up to 2000 ft. For higher elevations reduce ratings at a rate of 4% per 1000 ft. elevation.

③ Convertible to LPG.

④ This value is approximate. For more precise value, see Unit Nameplate.

⑤ Based on U.S. Government Standard Tests.

⑥ Filters must be installed in return air stream. Square footages listed are based on 300 f.p.m. face velocity. If permanent filters are used size per manufacturer's recommendation with a clean resistance of 0.05" W.C.

⑦ Sound Power values are not adjusted for AHRI 270-95 tonal corrections.

⑧ Standard Air — Dry Coil — Outdoor.



## TECHNICAL GUIDE

### R-410A ZE/ZF/ZR/XN/XP SERIES 3 - 6 TON 60 Hertz



### Description

YORK® ZE/ZF/ZR/XN/XP Series units are convertible single package high efficiency rooftops with a common roof curb for the 3, 4, 5 and 6 Ton sizes (ZE, ZR, XN, XP not available in 6 Ton). Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof.

All ZE/ZF/ZR/XN/XP Series units are self-contained and assembled on rigid full perimeter base rails allowing for overhead rigging. Every unit is completely charged, wired, piped and tested at the factory to provide a quick and easy field installation.

All models (including those with an economizer) are convertible between bottom and horizontal duct connections.

ZE/ZF/ZR Series units are available in the following configurations: cooling only, cooling with electric heat, and cooling with one or two stage gas heat. Electric heaters are available as factory-installed option or field installed accessory.

XN/XP Series units are available in the following configurations: cooling and heating only and cooling and heating with electric heat.

Tested in accordance with:

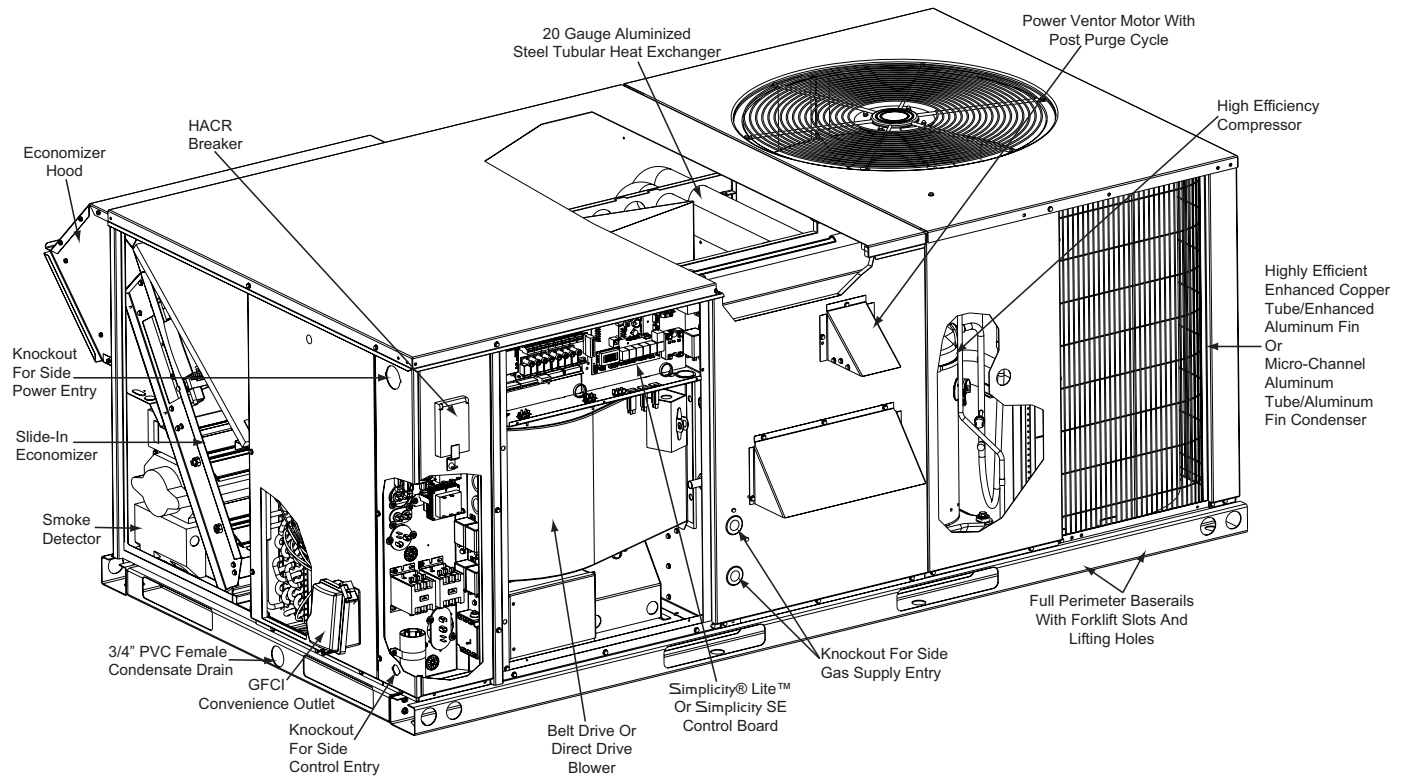


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## Component Location

### Gas/Electric



## Sound Performance

### ZF/ZR/XP Indoor Sound Power Levels

Size (Tons)	CFM	ESP (IWG)	Blower		Sound Power, dB (10 <sup>-12</sup> ) Watts								
					Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)							
			RPM	BHP		63	125	250	500	1000	2000	4000	8000
036 (3.0)	1200	0.2	630	0.41	63	82	77	59	50	43	42	40	45
048 (4.0)	1600	0.2	791	0.54	72	95	84	58	54	46	44	45	44
060 (5.0)	2000	0.2	840	0.67	62	84	71	58	53	50	49	49	49
072 (6.0)	2200	0.3	920	1.45	76	61	71	68	67	72	66	61	54

1. These values have been accessed using a model of sound propagation from a point source into the hemispheric/free field. The dBA values provided are to be used for reference only. Calculation of dBA values cover matters of system design and the fan manufacture has no way of knowing the details of each system. This constitutes an exception to any specification or guarantee requiring a dBA value of sound data in any other form than sound power level ratings.

### ZE/ZF/ZR Outdoor Sound Power Levels

Size (Tons)	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
036 (3.0)	81	87.5	86.0	81.0	77.0	75.0	69.5	65.5	70.5
048 (4.0)	80	84.5	81.0	80.0	78.0	75.0	70.0	67.0	70.5
060 (5.0)	82	86.5	87.5	81.5	77.5	75.0	71.5	68.0	70.5
072 (6.0)	83	-	84.0	85.0	79.0	80.0	72.0	67.5	62.5

1. Rated in accordance with AHRI 270 standard.

### XN/XP Outdoor Sound Power Levels

Size (Tons)	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)							
		63	125	250	500	1000	2000	4000	8000
036 (3.0)	76	83.5	84.5	76.5	72.0	68.0	66.0	60.0	56.0
048 (4.0)	80	85.0	83.0	81.0	77.5	75.5	71.5	67.5	61.5
060 (5.0)	80	86.0	84.0	81.0	77.0	75.5	71.0	66.5	60.5

1. Rated in accordance with AHRI 270 standard.



# PREDATOR<sup>®</sup>

## TECHNICAL GUIDE

### R-410A

### ZF SERIES

### 6.5 - 12.5 TON

### 60 Hertz



ZF 6.5 THROUGH 10 TON



ZF12.5 TON

## Description

### ASHRAE 90.1 COMPLIANT

YORK<sup>®</sup> Predator<sup>®</sup> units are convertible single packages with a common footprint cabinet and common roof curb for all 6.5 through 12.5 ton models. All units have two compressors with independent refrigeration circuits to provide 2 stages of cooling. The units were designed for light commercial applications and can be easily installed on a roof curb, slab, or frame.

All Predator<sup>®</sup> units are self-contained and assembled on rigid full perimeter base rails allowing for 3-way forklift access and overhead rigging. Every unit is completely charged, wired, piped, and tested at the factory to provide a quick and easy field installation.

Predator<sup>®</sup> units in all tonnage sizes are convertible between side airflow and down airflow, with corresponding economizer if economizer option is desired.

Predator<sup>®</sup> units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field-installed accessories.

All units provide constant supply air volume. A variable air volume (VAV) option, which features a variable frequency drive (VFD), is available on 6.5 through 12.5 ton models.



Tested in accordance with:



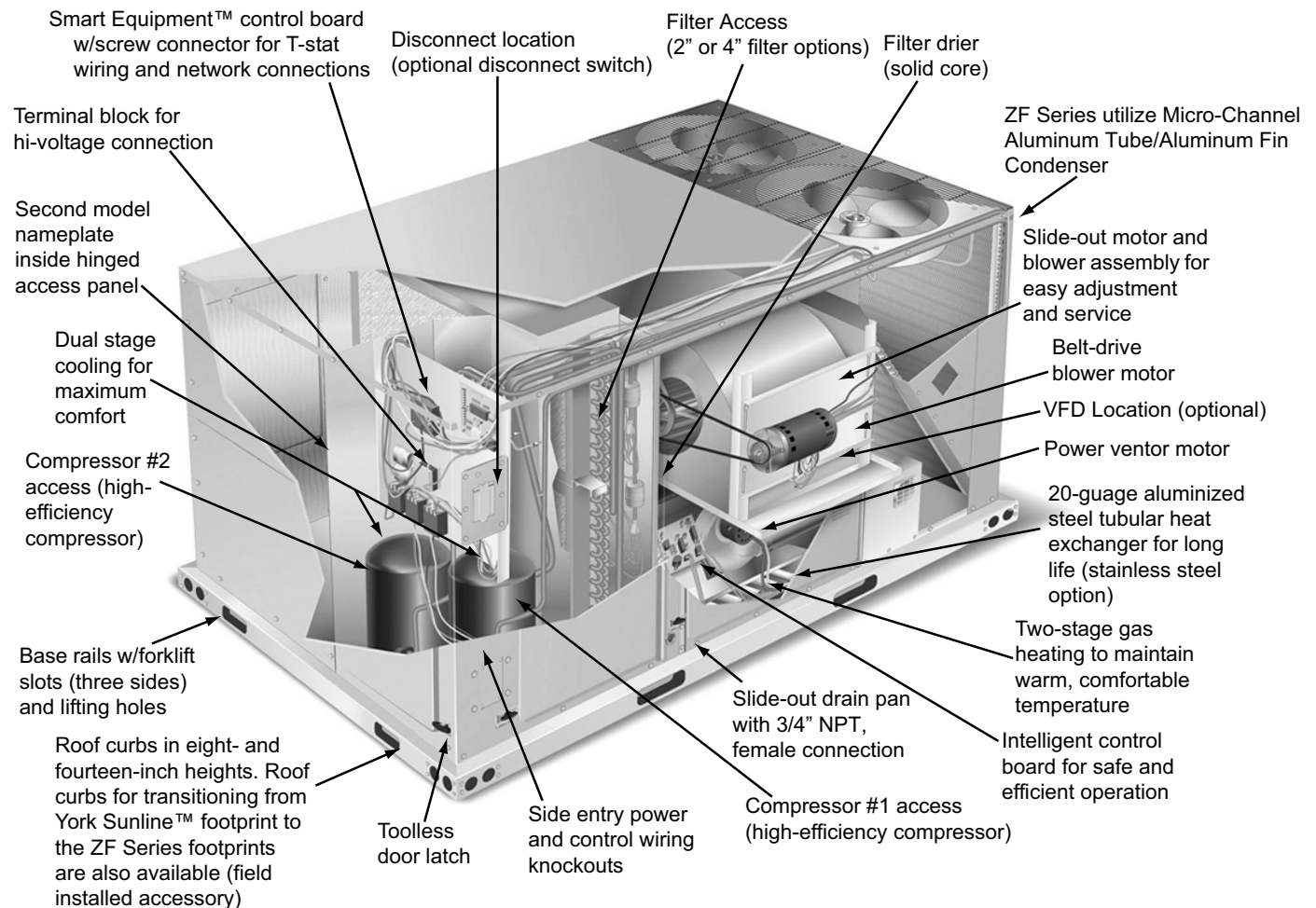


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## Component Location

### Cooling With Gas Heat



## Electric Heat Multipliers

Voltage		kW Capacity Multipliers <sup>1</sup>
Nominal	Applied	
240	208	0.75
	230	0.92
480	460	0.92
600	575	0.92

1. Electric heaters are rated at nominal voltage. Use this table to determine the electric heat capacity for heaters applied at lower voltages.

## Sound Performance

### Indoor Sound Power Levels

Size (Tons)	Model	CFM	ESP (IWG)	Blower		Sound Rating <sup>1</sup> dB (A)	Sound Power, dB (10 <sup>-12</sup> ) Watts							
				RPM	BHP		Octave Band Centerline Frequency (Hz)							
							63	125	250	500	1000	2000	4000	8000
078 (6.5)	ZF	2600	0.6	812	1.14	74	71	73	73	71	69	65	65	60
090 (7.5)	ZF	3000	0.6	854	1.47	77	74	76	76	74	72	68	68	63
102 (8.5)	ZF	3400	0.6	872	1.65	80	77	79	79	77	75	71	71	66
120 (10)	ZF	4000	0.6	959	2.29	83	80	82	82	80	78	74	74	69
150 (12.5)	ZF	5000	0.6	1132	3.74	87	84	86	86	84	82	78	78	73

1. These values have been accessed using a model of sound propagation from a point source into the hemispheric/free field. The dBA values provided are to be used for reference only. Calculation of dBA values cover matters of system design and the fan manufacture has no way of knowing the details of each system. This constitutes an exception to any specification or guarantee requiring a dBA value of sound data in any other form than sound power level ratings.

### Outdoor Sound Power Levels

#### ZF078-150

Size (Tons)	Model	Sound Rating <sup>1</sup> dB (A)	Octave Band Centerline Frequency (Hz)							
			63	125	250	500	1000	2000	4000	8000
078 (6.5)	ZF	84	86.0	87.5	86.0	82.5	79.0	73.5	68.5	62.0
090 (7.5)	ZF	89	89.5	92.0	89.0	87.5	84.0	78.5	73.5	66.5
102 (8.5)	ZF	91	91.5	93.5	92.5	89.0	85.5	80.5	76.0	71.0
120 (10)	ZF	92	99.5	94.5	92.0	90.0	87.0	81.0	76.0	70.0
150 (12.5)	ZF	88	91.0	92.5	90.0	85.0	81.5	77.0	73.0	66.5

1. Rated in accordance with AHRI 270 standard.

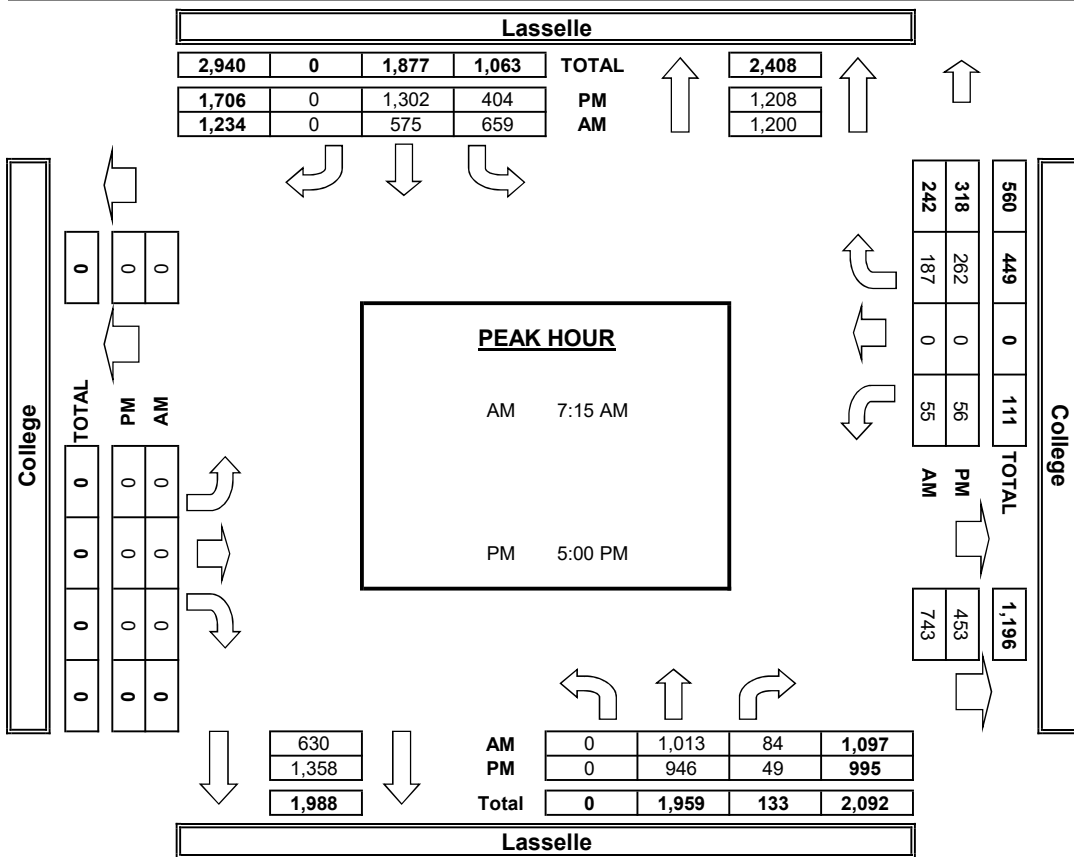
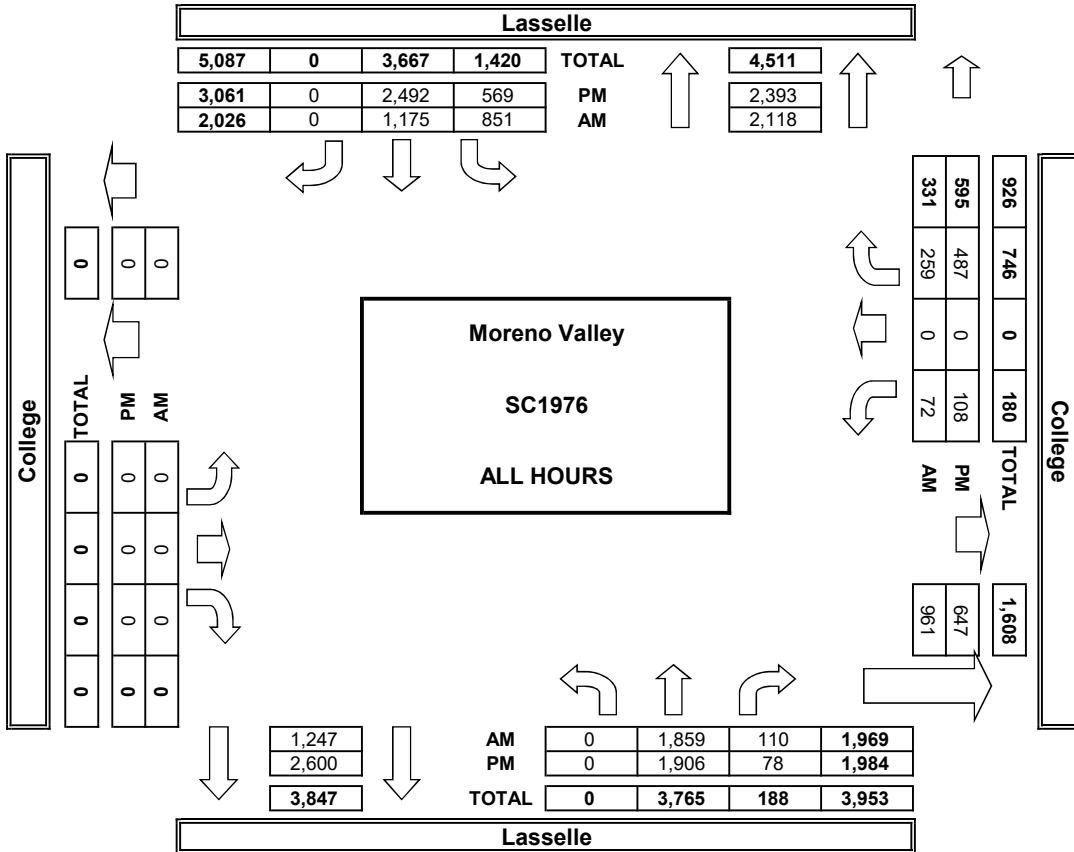


**APPENDIX E-1**  
*Traffic Counts*





**AimTD LLC**  
TURNING MOVEMENT COUNTS



### INTERSECTION TURNING MOVEMENT COUNTS

PREPARED BY: AimTD LLC. tel: 714 253 7888 cs@aimtd.com

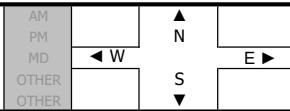
DATE:  
Wed, Nov 7, 18

LOCATION:  
NORTH & SOUTH:  
EAST & WEST:

Moreno Valley  
Krameria  
Cahuilla

PROJECT #: SC1976  
LOCATION #: 2  
CONTROL: STOP ALL

NOTES:



Add U-Turns to Left Turns

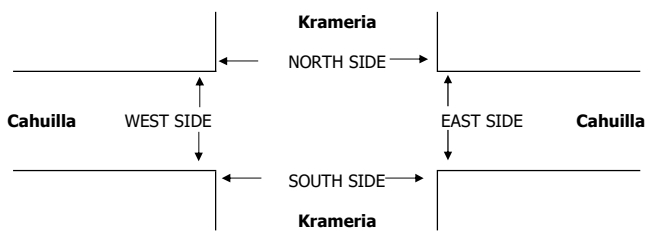
LANES:	NORTHBOUND Krameria			SOUTHBOUND Krameria			EASTBOUND Cahuilla			WESTBOUND Cahuilla			TOTAL
	NL 0.5	NT 1.5	NR X	SL X	ST 2	SR 1	EL 0	ET X	ER 0	WL X	WT X	WR X	

U-TURNS				
NB 0	SB 0	EB 0	WB 0	TTL 0

7:00 AM	16	18	0	0	12	2	1	0	9	0	0	0	58
7:15 AM	25	23	0	0	3	0	1	0	13	0	0	0	65
7:30 AM	18	49	0	0	14	1	7	0	10	0	0	0	99
7:45 AM	26	88	0	0	21	7	11	0	28	0	0	0	181
8:00 AM	61	38	0	0	29	3	6	0	46	0	0	0	183
8:15 AM	31	4	0	0	7	3	1	0	8	0	0	0	54
8:30 AM	7	8	0	0	9	2	2	0	4	0	0	0	32
8:45 AM	5	8	0	0	8	6	0	0	2	0	0	0	29
VOLUMES	189	236	0	0	103	24	29	0	120	0	0	0	707
APPROACH %	44%	55%	0%	0%	81%	19%	19%	0%	80%	0%	0%	0%	0%
APP/DEPART	430	/	265	127	/	228	150	/	0	0	/	214	0
BEGIN PEAK HR	7:15 AM												
VOLUMES	130	198	0	0	67	11	25	0	97	0	0	0	533
APPROACH %	39%	60%	0%	0%	86%	14%	20%	0%	79%	0%	0%	0%	0%
PEAK HR FACTOR	0.722			0.609			0.591			0.000			0.720
APP/DEPART	332	/	223	78	/	168	123	/	0	0	/	142	0
4:00 PM	10	7	0	0	14	6	1	0	7	0	0	0	45
4:15 PM	6	9	0	0	10	10	2	0	4	0	0	0	41
4:30 PM	8	12	0	0	9	5	3	0	7	0	0	0	44
4:45 PM	6	11	0	0	14	13	2	0	7	0	0	0	53
5:00 PM	5	13	0	0	19	8	0	0	6	0	0	0	51
5:15 PM	8	16	0	0	23	15	0	0	13	0	0	0	75
5:30 PM	15	28	0	0	23	5	10	0	8	0	0	0	89
5:45 PM	15	39	0	0	21	11	11	0	11	0	0	0	108
VOLUMES	73	135	0	0	133	73	29	0	63	0	0	0	512
APPROACH %	34%	64%	0%	0%	64%	35%	31%	0%	68%	0%	0%	0%	0%
APP/DEPART	212	/	165	207	/	200	93	/	0	0	/	147	0
BEGIN PEAK HR	5:00 PM												
VOLUMES	43	96	0	0	86	39	21	0	38	0	0	0	326
APPROACH %	30%	68%	0%	0%	69%	31%	35%	0%	63%	0%	0%	0%	0%
PEAK HR FACTOR	0.653			0.822			0.682			0.000			0.755
APP/DEPART	141	/	117	125	/	126	60	/	0	0	/	83	0

0	0	0	0	0
1	0	1	0	2
0	0	0	0	0
1	0	0	0	1
2	0	0	0	2
1	0	0	0	1
0	0	0	0	0
0	0	0	0	0
5	0	1	0	6

1	0	0	0	1
0	1	0	0	1
0	0	0	0	0
1	0	0	0	1
1	0	1	0	2
0	0	0	0	0
1	0	0	0	1
0	0	0	0	0
4	1	1	0	6



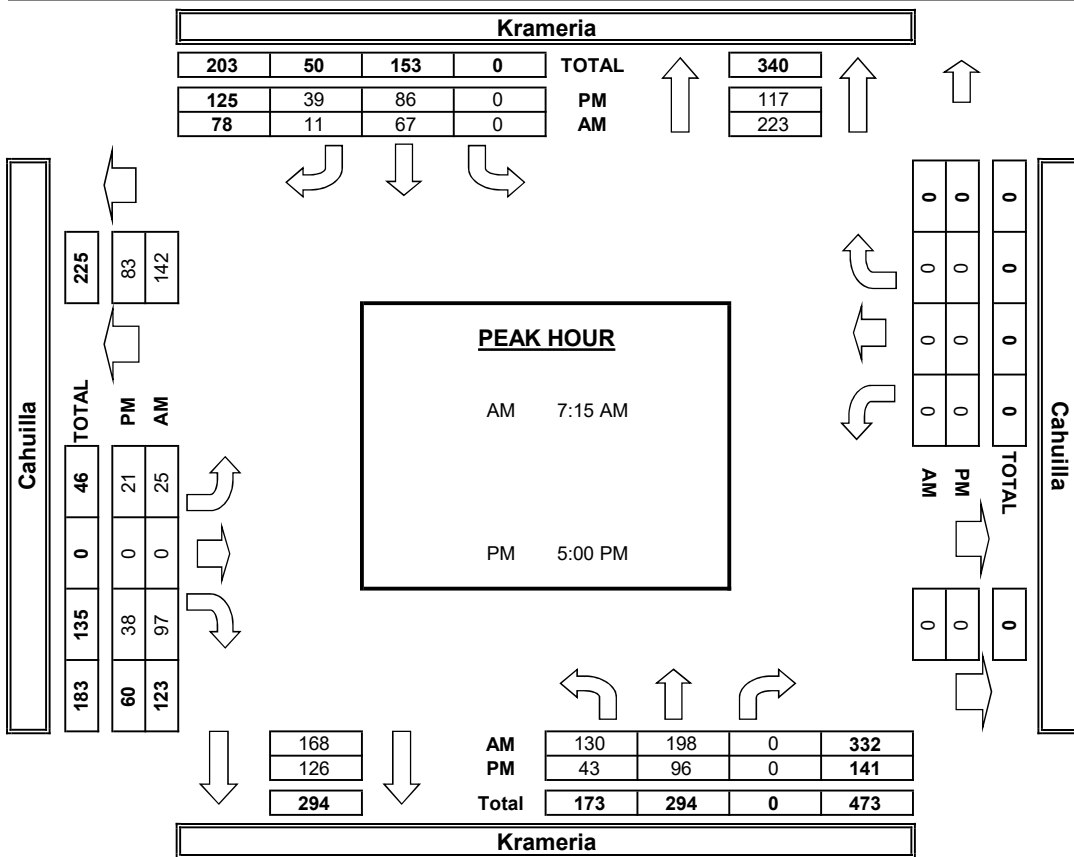
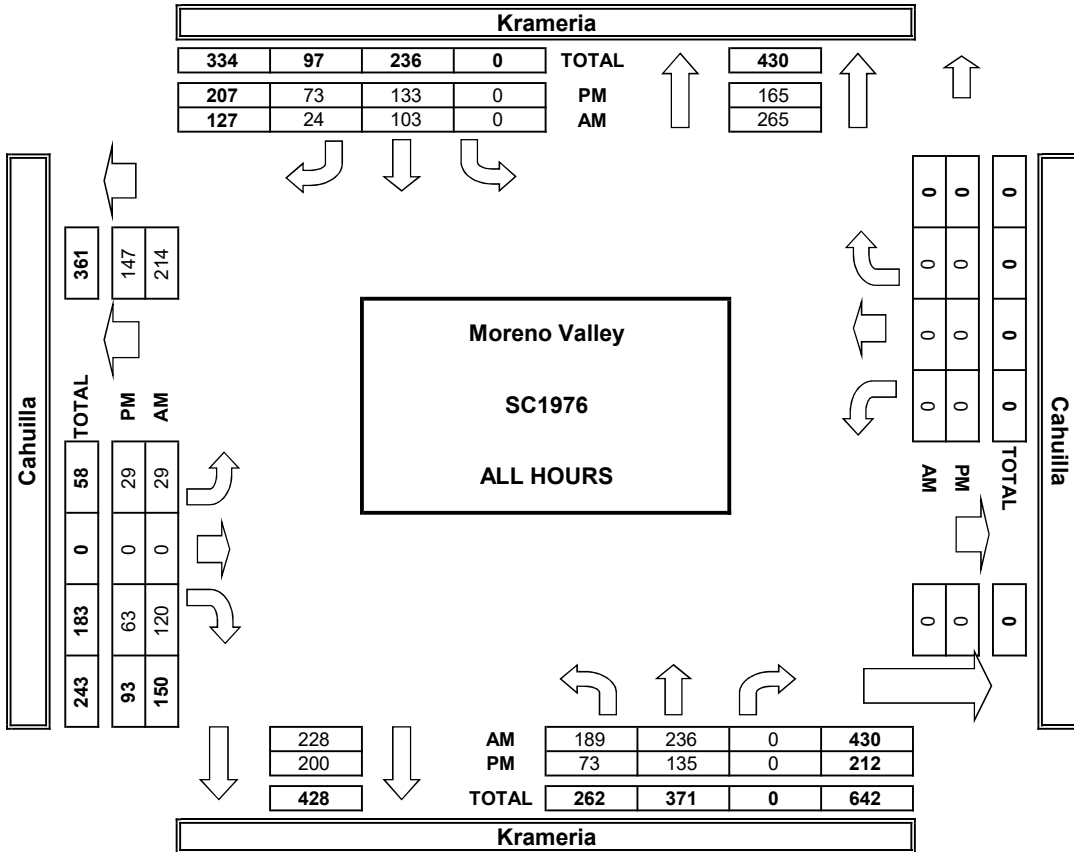
	PEDESTRIAN + BIKE CROSSINGS				
	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM	0	0	0	1	1
7:15 AM	0	0	0	1	1
7:30 AM	0	0	0	0	0
7:45 AM	5	0	0	5	10
8:00 AM	0	4	0	5	9
8:15 AM	1	2	0	3	6
8:30 AM	0	1	0	0	1
8:45 AM	0	0	3	2	5
TOTAL	6	7	3	17	33
AM BEGIN PEAK HR	7:15 AM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58
PM BEGIN PEAK HR	5:00 PM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58

	PEDESTRIAN CROSSINGS				
	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM	0	0	0	1	1
7:15 AM	0	0	0	1	1
7:30 AM	0	0	0	0	0
7:45 AM	5	0	0	5	10
8:00 AM	0	4	0	5	9
8:15 AM	1	2	0	3	6
8:30 AM	0	1	0	0	1
8:45 AM	0	0	3	2	5
TOTAL	6	7	3	17	33
AM BEGIN PEAK HR	7:15 AM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58
PM BEGIN PEAK HR	5:00 PM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58

	BICYCLE CROSSINGS				
	NS	SS	ES	WS	TOTAL
7:00 AM	0	0	0	0	0
7:15 AM	0	0	0	0	0
7:30 AM	0	0	0	0	0
7:45 AM	0	0	0	0	0
8:00 AM	0	0	0	0	0
8:15 AM	0	0	0	0	0
8:30 AM	0	0	0	0	0
8:45 AM	0	0	3	0	3
TOTAL	0	0	3	0	3
AM BEGIN PEAK HR	7:15 AM				
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL	0	0	0	0	0
PM BEGIN PEAK HR	5:00 PM				
4:00 PM	0	0	0	0	0
4:15 PM	0	0	0	0	0
4:30 PM	0	0	0	0	0
4:45 PM	0	0	0	0	0
5:00 PM	0	0	0	0	0
5:15 PM	0	0	0	0	0
5:30 PM	0	0	0	0	0
5:45 PM	0	0	0	0	0
TOTAL	0	0	0	0	0

	PEDESTRIAN CROSSINGS				
	N SIDE	S SIDE	E SIDE	W SIDE	TOTAL
7:00 AM	0	0	0	1	1
7:15 AM	0	0	0	1	1
7:30 AM	0	0	0	0	0
7:45 AM	5	0	0	5	10
8:00 AM	0	4	0	5	9
8:15 AM	1	2	0	3	6
8:30 AM	0	1	0	0	1
8:45 AM	0	0	0	2	2
TOTAL	6	7	0	17	30
AM BEGIN PEAK HR	7:15 AM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58
PM BEGIN PEAK HR	5:00 PM				
4:00 PM	0	5	0	3	8
4:15 PM	3	2	0	0	5
4:30 PM	0	0	0	1	1
4:45 PM	3	4	0	0	7
5:00 PM	1	0	0	0	1
5:15 PM	7	5	0	4	16
5:30 PM	1	1	0	10	12
5:45 PM	0	3	0	5	8
TOTAL	15	20	0	23	58

**AimTD LLC**  
TURNING MOVEMENT COUNTS



# **APPENDIX E-2**













## *LOS Worksheets*





HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Existing Conditions  
 Timing Plan: AM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	55	187	1013	84	659	575		
Future Volume (veh/h)	55	187	1013	84	659	575		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	65	223	1206	100	785	685		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	192	172	1468	828	896	2654		
Arrive On Green	0.11	0.11	0.41	0.41	0.26	0.75		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	65	223	1206	100	785	685		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	2.0	6.5	18.2	1.9	13.1	3.6		
Cycle Q Clear(g_c), s	2.0	6.5	18.2	1.9	13.1	3.6		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	192	172	1468	828	896	2654		
V/C Ratio(X)	0.34	1.30	0.82	0.12	0.88	0.26		
Avail Cap(c_a), veh/h	192	172	1468	828	946	2654		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	24.8	26.8	15.6	7.3	21.3	2.3		
Incr Delay (d2), s/veh	1.0	170.9	3.9	0.1	9.0	0.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.0	13.5	9.5	2.4	7.3	1.8		
LnGrp Delay(d),s/veh	25.8	197.7	19.5	7.4	30.2	2.6		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	288		1306			1470		
Approach Delay, s/veh	158.9		18.6			17.3		
Approach LOS	F		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		49.0		11.0	20.1	28.9		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		45.0		6.5	16.5	24.0		
Max Q Clear Time (g_c+I1), s		5.6		8.5	15.1	20.2		
Green Ext Time (p_c), s		4.8		0.0	0.5	2.6		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			31.2					
HCM 2010 LOS			C					

Intersection	
Intersection Delay, s/veh	10.7
Intersection LOS	B













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	25	97	130	198	67	11
Future Vol, veh/h	25	97	130	198	67	11
Peak Hour Factor	0.72	0.72	0.72	0.72	0.72	0.72
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	35	135	181	275	93	15
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	10	11.5	8.3
HCM LOS	A	B	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	66%	0%	20%	0%	0%	0%
Vol Thru, %	34%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	80%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	196	132	122	34	34	11
LT Vol	130	0	25	0	0	0
Through Vol	66	132	0	34	34	0
RT Vol	0	0	97	0	0	11
Lane Flow Rate	272	183	169	47	47	15
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.424	0.268	0.254	0.071	0.071	0.013
Departure Headway (Hd)	5.602	5.268	5.399	5.488	5.488	3.03
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	640	678	661	648	648	1160
Service Time	3.367	3.033	3.163	3.262	3.262	0.803
HCM Lane V/C Ratio	0.425	0.27	0.256	0.073	0.073	0.013
HCM Control Delay	12.5	10	10	8.7	8.7	5.8
HCM Lane LOS	B	A	A	A	A	A
HCM 95th-tile Q	2.1	1.1	1	0.2	0.2	0

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Existing Conditions  
 Timing Plan: PM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	56	262	946	49	404	1302		
Future Volume (veh/h)	56	262	946	49	404	1302		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	62	288	1040	54	444	1431		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	310	277	1575	982	562	2418		
Arrive On Green	0.17	0.17	0.45	0.45	0.16	0.68		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	62	288	1040	54	444	1431		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	1.8	10.5	13.9	0.8	7.4	12.9		
Cycle Q Clear(g_c), s	1.8	10.5	13.9	0.8	7.4	12.9		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	310	277	1575	982	562	2418		
V/C Ratio(X)	0.20	1.04	0.66	0.06	0.79	0.59		
Avail Cap(c_a), veh/h	310	277	1575	982	660	2418		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	21.2	24.8	13.1	4.5	24.1	5.1		
Incr Delay (d2), s/veh	0.3	64.7	1.0	0.0	5.5	1.1		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	0.9	13.3	6.9	1.2	3.9	6.5		
LnGrp Delay(d),s/veh	21.5	89.4	14.1	4.5	29.7	6.1		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	350		1094			1875		
Approach Delay, s/veh	77.4		13.6			11.7		
Approach LOS	E		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		45.0		15.0	14.3	30.7		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		41.0		10.5	11.5	25.0		
Max Q Clear Time (g_c+I1), s		14.9		12.5	9.4	15.9		
Green Ext Time (p_c), s		11.5		0.0	0.4	4.5		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			19.3					
HCM 2010 LOS			B					

Intersection	
Intersection Delay, s/veh	8.1
Intersection LOS	A













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	21	38	43	96	86	39
Future Vol, veh/h	21	38	43	96	86	39
Peak Hour Factor	0.76	0.76	0.76	0.76	0.76	0.76
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	28	50	57	126	113	51
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	8.4	8.7	7.2
HCM LOS	A	A	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	57%	0%	36%	0%	0%	0%
Vol Thru, %	43%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	64%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	75	64	59	43	43	39
LT Vol	43	0	21	0	0	0
Through Vol	32	64	0	43	43	0
RT Vol	0	0	38	0	0	39
Lane Flow Rate	99	84	78	57	57	51
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.146	0.118	0.108	0.077	0.077	0.035
Departure Headway (Hd)	5.321	5.033	5.022	4.904	4.904	2.461
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	676	714	715	733	733	1456
Service Time	3.038	2.75	2.743	2.618	2.618	0.174
HCM Lane V/C Ratio	0.146	0.118	0.109	0.078	0.078	0.035
HCM Control Delay	8.9	8.4	8.4	8	8	5.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.4	0.4	0.2	0.2	0.1

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Existing plus Project  
 Timing Plan: AM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	57	190	1014	84	673	575		
Future Volume (veh/h)	57	190	1014	84	673	575		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	68	226	1207	100	801	685		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	192	172	1456	823	907	2654		
Arrive On Green	0.11	0.11	0.41	0.41	0.26	0.75		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	68	226	1207	100	801	685		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	2.1	6.5	18.3	1.9	13.4	3.6		
Cycle Q Clear(g_c), s	2.1	6.5	18.3	1.9	13.4	3.6		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	192	172	1456	823	907	2654		
V/C Ratio(X)	0.35	1.32	0.83	0.12	0.88	0.26		
Avail Cap(c_a), veh/h	192	172	1456	823	946	2654		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	24.8	26.8	15.8	7.4	21.2	2.3		
Incr Delay (d2), s/veh	1.1	177.9	4.2	0.1	9.6	0.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.1	13.8	9.7	2.5	7.5	1.8		
LnGrp Delay(d),s/veh	25.9	204.6	19.9	7.5	30.8	2.6		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	294		1307			1486		
Approach Delay, s/veh	163.3		19.0			17.8		
Approach LOS	F		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		49.0		11.0	20.3	28.7		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		45.0		6.5	16.5	24.0		
Max Q Clear Time (g_c+I1), s		5.6		8.5	15.4	20.3		
Green Ext Time (p_c), s		4.8		0.0	0.4	2.5		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			32.1					
HCM 2010 LOS			C					

Intersection	
Intersection Delay, s/veh	10.8
Intersection LOS	B













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	25	98	133	204	69	11
Future Vol, veh/h	25	98	133	204	69	11
Peak Hour Factor	0.72	0.72	0.72	0.72	0.72	0.72
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	35	136	185	283	96	15
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	10.1	11.7	8.3
HCM LOS	B	B	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	66%	0%	20%	0%	0%	0%
Vol Thru, %	34%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	80%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	201	136	123	35	35	11
LT Vol	133	0	25	0	0	0
Through Vol	68	136	0	35	35	0
RT Vol	0	0	98	0	0	11
Lane Flow Rate	279	189	171	48	48	15
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.435	0.277	0.258	0.073	0.073	0.013
Departure Headway (Hd)	5.611	5.278	5.431	5.508	5.508	3.05
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	637	676	658	645	645	1151
Service Time	3.381	3.047	3.195	3.288	3.288	0.828
HCM Lane V/C Ratio	0.438	0.28	0.26	0.074	0.074	0.013
HCM Control Delay	12.7	10.1	10.1	8.7	8.7	5.9
HCM Lane LOS	B	B	B	A	A	A
HCM 95th-tile Q	2.2	1.1	1	0.2	0.2	0

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Existing plus Project  
 Timing Plan: PM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	59	268	948	49	412	1302		
Future Volume (veh/h)	59	268	948	49	412	1302		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	65	295	1042	54	453	1431		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	310	277	1567	978	570	2418		
Arrive On Green	0.17	0.17	0.44	0.44	0.17	0.68		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	65	295	1042	54	453	1431		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	1.9	10.5	14.0	0.8	7.6	12.9		
Cycle Q Clear(g_c), s	1.9	10.5	14.0	0.8	7.6	12.9		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	310	277	1567	978	570	2418		
V/C Ratio(X)	0.21	1.06	0.66	0.06	0.79	0.59		
Avail Cap(c_a), veh/h	310	277	1567	978	660	2418		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(l)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	21.2	24.8	13.2	4.5	24.1	5.1		
Incr Delay (d2), s/veh	0.3	72.2	1.1	0.0	5.9	1.1		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	0.9	13.9	7.0	1.2	4.0	6.5		
LnGrp Delay(d),s/veh	21.5	97.0	14.3	4.6	29.9	6.1		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	360		1096			1884		
Approach Delay, s/veh	83.3		13.8			11.8		
Approach LOS	F		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		45.0		15.0	14.4	30.6		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		41.0		10.5	11.5	25.0		
Max Q Clear Time (g_c+I1), s		14.9		12.5	9.6	16.0		
Green Ext Time (p_c), s		11.5		0.0	0.4	4.5		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			20.2					
HCM 2010 LOS			C					

Intersection	
Intersection Delay, s/veh	8.1
Intersection LOS	A

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	21	40	45	99	89	39
Future Vol, veh/h	21	40	45	99	89	39
Peak Hour Factor	0.76	0.76	0.76	0.76	0.76	0.76
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	28	53	59	130	117	51
Number of Lanes	1	0	0	2	2	1













Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	8.4	8.8	7.2
HCM LOS	A	A	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	58%	0%	34%	0%	0%	0%
Vol Thru, %	42%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	66%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	78	66	61	45	45	39
LT Vol	45	0	21	0	0	0
Through Vol	33	66	0	45	45	0
RT Vol	0	0	40	0	0	39
Lane Flow Rate	103	87	80	59	59	51
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.152	0.122	0.112	0.08	0.08	0.035
Departure Headway (Hd)	5.338	5.048	5.032	4.917	4.917	2.473
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	673	711	714	731	731	1447
Service Time	3.057	2.768	2.754	2.633	2.633	0.189
HCM Lane V/C Ratio	0.153	0.122	0.112	0.081	0.081	0.035
HCM Control Delay	9	8.5	8.4	8.1	8.1	5.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.5	0.4	0.4	0.3	0.3	0.1



HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Opening Year 2021  
 Timing Plan: AM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	58	199	1132	90	704	643		
Future Volume (veh/h)	58	199	1132	90	704	643		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	69	237	1348	107	838	765		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	163	145	1489	811	932	2713		
Arrive On Green	0.09	0.09	0.42	0.42	0.27	0.77		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	69	237	1348	107	838	765		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	2.2	5.5	21.4	2.1	14.1	3.9		
Cycle Q Clear(g_c), s	2.2	5.5	21.4	2.1	14.1	3.9		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	163	145	1489	811	932	2713		
V/C Ratio(X)	0.42	1.63	0.91	0.13	0.90	0.28		
Avail Cap(c_a), veh/h	163	145	1489	811	946	2713		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	25.8	27.3	16.3	7.6	21.1	2.1		
Incr Delay (d2), s/veh	1.8	313.8	8.2	0.1	11.3	0.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.2	17.2	12.0	2.6	8.1	1.9		
LnGrp Delay(d),s/veh	27.5	341.1	24.5	7.7	32.3	2.3		
LnGrp LOS	C	F	C	A	C	A		
Approach Vol, veh/h	306		1455			1603		
Approach Delay, s/veh	270.4		23.3			18.0		
Approach LOS	F		C			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		50.0		10.0	20.8	29.2		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		46.0		5.5	16.5	25.0		
Max Q Clear Time (g_c+I1), s		5.9		7.5	16.1	23.4		
Green Ext Time (p_c), s		5.5		0.0	0.2	1.3		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			43.2					
HCM 2010 LOS			D					

Intersection	
Intersection Delay, s/veh	11.1
Intersection LOS	B













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	27	104	140	210	71	12
Future Vol, veh/h	27	104	140	210	71	12
Peak Hour Factor	0.72	0.72	0.72	0.72	0.72	0.72
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	38	144	194	292	99	17
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	10.4	12	8.4
HCM LOS	B	B	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	67%	0%	21%	0%	0%	0%
Vol Thru, %	33%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	79%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	210	140	131	36	36	12
LT Vol	140	0	27	0	0	0
Through Vol	70	140	0	36	36	0
RT Vol	0	0	104	0	0	12
Lane Flow Rate	292	194	182	49	49	17
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.459	0.288	0.277	0.076	0.076	0.014
Departure Headway (Hd)	5.664	5.328	5.489	5.571	5.571	3.112
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	633	669	650	637	637	1126
Service Time	3.437	3.1	3.258	3.36	3.36	0.898
HCM Lane V/C Ratio	0.461	0.29	0.28	0.077	0.077	0.015
HCM Control Delay	13.2	10.3	10.4	8.8	8.8	5.9
HCM Lane LOS	B	B	B	A	A	A
HCM 95th-tile Q	2.4	1.2	1.1	0.2	0.2	0

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Opening Year 2021  
 Timing Plan: PM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	61	283	1049	53	431	1449		
Future Volume (veh/h)	61	283	1049	53	431	1449		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	67	311	1153	58	474	1592		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	310	277	1548	970	588	2418		
Arrive On Green	0.17	0.17	0.44	0.44	0.17	0.68		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	67	311	1153	58	474	1592		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	1.9	10.5	16.3	0.9	7.9	15.5		
Cycle Q Clear(g_c), s	1.9	10.5	16.3	0.9	7.9	15.5		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	310	277	1548	970	588	2418		
V/C Ratio(X)	0.22	1.12	0.74	0.06	0.81	0.66		
Avail Cap(c_a), veh/h	310	277	1548	970	660	2418		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	21.2	24.8	14.1	4.7	23.9	5.5		
Incr Delay (d2), s/veh	0.3	91.1	2.0	0.0	6.6	1.4		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.0	15.4	8.3	1.3	4.3	7.8		
LnGrp Delay(d),s/veh	21.6	115.8	16.1	4.7	30.5	6.9		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	378		1211			2066		
Approach Delay, s/veh	99.1		15.5			12.3		
Approach LOS	F		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		45.0		15.0	14.8	30.2		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		41.0		10.5	11.5	25.0		
Max Q Clear Time (g_c+I1), s		17.5		12.5	9.9	18.3		
Green Ext Time (p_c), s		12.5		0.0	0.3	3.9		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			22.4					
HCM 2010 LOS			C					

Intersection	
Intersection Delay, s/veh	8.1
Intersection LOS	A













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	22	43	47	102	91	41
Future Vol, veh/h	22	43	47	102	91	41
Peak Hour Factor	0.76	0.76	0.76	0.76	0.76	0.76
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	29	57	62	134	120	54
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	8.5	8.8	7.2
HCM LOS	A	A	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	58%	0%	34%	0%	0%	0%
Vol Thru, %	42%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	66%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	81	68	65	46	46	41
LT Vol	47	0	22	0	0	0
Through Vol	34	68	0	46	46	0
RT Vol	0	0	43	0	0	41
Lane Flow Rate	107	89	86	60	60	54
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.159	0.126	0.12	0.082	0.082	0.037
Departure Headway (Hd)	5.364	5.072	5.052	4.94	4.94	2.495
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	670	708	711	727	727	1433
Service Time	3.086	2.794	2.774	2.658	2.658	0.213
HCM Lane V/C Ratio	0.16	0.126	0.121	0.083	0.083	0.038
HCM Control Delay	9.1	8.5	8.5	8.1	8.1	5.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.6	0.4	0.4	0.3	0.3	0.1

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Opening Year 2021 plus Project  
 Timing Plan: AM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	60	202	1133	90	718	643		
Future Volume (veh/h)	60	202	1133	90	718	643		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	71	240	1349	107	855	765		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.84	0.84	0.84	0.84	0.84	0.84		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	163	145	1478	806	943	2713		
Arrive On Green	0.09	0.09	0.42	0.42	0.27	0.77		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	71	240	1349	107	855	765		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	2.3	5.5	21.5	2.1	14.4	3.9		
Cycle Q Clear(g_c), s	2.3	5.5	21.5	2.1	14.4	3.9		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	163	145	1478	806	943	2713		
V/C Ratio(X)	0.44	1.65	0.91	0.13	0.91	0.28		
Avail Cap(c_a), veh/h	163	145	1478	806	946	2713		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	25.8	27.3	16.4	7.7	21.0	2.1		
Incr Delay (d2), s/veh	1.8	322.7	8.9	0.1	12.2	0.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.2	17.6	12.1	2.6	8.4	1.9		
LnGrp Delay(d),s/veh	27.6	350.0	25.4	7.8	33.2	2.3		
LnGrp LOS	C	F	C	A	C	A		
Approach Vol, veh/h	311		1456			1620		
Approach Delay, s/veh	276.4		24.1			18.6		
Approach LOS	F		C			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		50.0		10.0	20.9	29.1		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		46.0		5.5	16.5	25.0		
Max Q Clear Time (g_c+I1), s		5.9		7.5	16.4	23.5		
Green Ext Time (p_c), s		5.5		0.0	0.0	1.2		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			44.7					
HCM 2010 LOS			D					

Intersection	
Intersection Delay, s/veh	11.3
Intersection LOS	B













Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	27	105	143	215	73	12
Future Vol, veh/h	27	105	143	215	73	12
Peak Hour Factor	0.72	0.72	0.72	0.72	0.72	0.72
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	38	146	199	299	101	17
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	10.5	12.3	8.5
HCM LOS	B	B	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	67%	0%	20%	0%	0%	0%
Vol Thru, %	33%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	80%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	215	143	132	37	37	12
LT Vol	143	0	27	0	0	0
Through Vol	72	143	0	37	37	0
RT Vol	0	0	105	0	0	12
Lane Flow Rate	298	199	183	51	51	17
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.47	0.295	0.281	0.079	0.079	0.015
Departure Headway (Hd)	5.676	5.341	5.517	5.592	5.592	3.132
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	629	667	647	634	634	1118
Service Time	3.456	3.12	3.29	3.383	3.383	0.921
HCM Lane V/C Ratio	0.474	0.298	0.283	0.08	0.08	0.015
HCM Control Delay	13.5	10.4	10.5	8.9	8.9	6
HCM Lane LOS	B	B	B	A	A	A
HCM 95th-tile Q	2.5	1.2	1.1	0.3	0.3	0

HCM 2010 Signalized Intersection Summary  
 1: Lasselle Street & College Drive

Opening Year 2021 plus Project  
 Timing Plan: PM Peak Hour

								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	65	289	1050	53	439	1449		
Future Volume (veh/h)	65	289	1050	53	439	1449		
Number	7	14	6	16	5	2		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863		
Adj Flow Rate, veh/h	71	318	1154	58	482	1592		
Adj No. of Lanes	1	1	2	1	2	2		
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	310	277	1541	967	595	2418		
Arrive On Green	0.17	0.17	0.44	0.44	0.17	0.68		
Sat Flow, veh/h	1774	1583	3632	1583	3442	3632		
Grp Volume(v), veh/h	71	318	1154	58	482	1592		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1583	1721	1770		
Q Serve(g_s), s	2.1	10.5	16.4	0.9	8.1	15.5		
Cycle Q Clear(g_c), s	2.1	10.5	16.4	0.9	8.1	15.5		
Prop In Lane	1.00	1.00		1.00	1.00			
Lane Grp Cap(c), veh/h	310	277	1541	967	595	2418		
V/C Ratio(X)	0.23	1.15	0.75	0.06	0.81	0.66		
Avail Cap(c_a), veh/h	310	277	1541	967	660	2418		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00		
Uniform Delay (d), s/veh	21.3	24.8	14.2	4.7	23.9	5.5		
Incr Delay (d2), s/veh	0.4	100.0	2.1	0.0	6.9	1.4		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	1.0	16.0	8.3	1.3	4.4	7.8		
LnGrp Delay(d),s/veh	21.6	124.8	16.3	4.8	30.8	6.9		
LnGrp LOS	C	F	B	A	C	A		
Approach Vol, veh/h	389		1212			2074		
Approach Delay, s/veh	105.9		15.7			12.4		
Approach LOS	F		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		45.0		15.0	14.9	30.1		
Change Period (Y+Rc), s		4.0		4.5	4.5	4.0		
Max Green Setting (Gmax), s		41.0		10.5	11.5	25.0		
Max Q Clear Time (g_c+I1), s		17.5		12.5	10.1	18.4		
Green Ext Time (p_c), s		12.5		0.0	0.3	3.9		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			23.4					
HCM 2010 LOS			C					

Intersection	
Intersection Delay, s/veh	8.2
Intersection LOS	A

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	W			↑↑	↑↑	↑
Traffic Vol, veh/h	22	45	48	105	94	41
Future Vol, veh/h	22	45	48	105	94	41
Peak Hour Factor	0.76	0.76	0.76	0.76	0.76	0.76
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	29	59	63	138	124	54
Number of Lanes	1	0	0	2	2	1

Approach	EB	NB	SB
Opposing Approach		SB	NB
Opposing Lanes	0	3	2
Conflicting Approach Left	SB	EB	
Conflicting Lanes Left	3	1	0
Conflicting Approach Right	NB		EB
Conflicting Lanes Right	2	0	1
HCM Control Delay	8.5	8.9	7.2
HCM LOS	A	A	A

Lane	NBLn1	NBLn2	EBLn1	SBLn1	SBLn2	SBLn3
Vol Left, %	58%	0%	33%	0%	0%	0%
Vol Thru, %	42%	100%	0%	100%	100%	0%
Vol Right, %	0%	0%	67%	0%	0%	100%
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop
Traffic Vol by Lane	83	70	67	47	47	41
LT Vol	48	0	22	0	0	0
Through Vol	35	70	0	47	47	0
RT Vol	0	0	45	0	0	41
Lane Flow Rate	109	92	88	62	62	54
Geometry Grp	8	8	7	7	7	7
Degree of Util (X)	0.163	0.13	0.124	0.085	0.085	0.038
Departure Headway (Hd)	5.377	5.087	5.059	4.954	4.954	2.509
Convergence, Y/N	Yes	Yes	Yes	Yes	Yes	Yes
Cap	667	706	709	725	725	1425
Service Time	3.104	2.813	2.786	2.672	2.672	0.227
HCM Lane V/C Ratio	0.163	0.13	0.124	0.086	0.086	0.038
HCM Control Delay	9.2	8.6	8.5	8.1	8.1	5.3
HCM Lane LOS	A	A	A	A	A	A
HCM 95th-tile Q	0.6	0.4	0.4	0.3	0.3	0.1



**APPENDIX F**  
*Public Review Correspondence*



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**From:** Andy Salas <gabrielenoindians@gmail.com>  
**Sent:** Wednesday, May 8, 2019 12:17 AM  
**To:** Doering, Bart  
**Subject:** [EXTERNAL SENDER] Re: AB52 consultation "Concluded" for the Moreno Valley College Welcome Center project.

Mr. Bart ,  
Thank you for your email . Please note this project location is out of our ancestral tribal territory .  
Therefore please defer this project to the tribe of this area. Thank you

On Tue, May 7, 2019 at 5:19 PM Doering, Bart <[Bart.Doering@rccd.edu](mailto:Bart.Doering@rccd.edu)> wrote:

Good afternoon Mr. Salas,

The Riverside Community College District (RCCD) would like to thank the Gabrieleno Band of Mission Indians – Kizh Nation for their review of the Cultural Resources Inventory Report, (mailed on 02-19-19) Your phone message on 2-27-19 @ 3:21 pm stated for the Moreno Valley College Welcome Center project, you would defer this to the tribe in that area. The Soboba Band of Luiseno Indians and Rincon Band of Luiseno Indians have been in contact with RCCD and consultation has occurred in accordance with AB52 requirements.

Since RCCD has not received any further comments from the Gabrieleno Band of Mission Indians – Kizh Nation, RCCD will consider our consultation concluded with the Gabrieleno Band of Mission Indians – Kiza Nation for the Moreno Valley College Welcome Center project. Thank you for your participation with us on this project.

Sincerely,

Bart

**Bart Doering | Facilities Development Director**

Facilities Planning and Development

[3801 Market Street | Riverside, CA 92501](http://3801MarketStreet.com) | (951) 222-8962



GABRIELENO BAND OF MISSION INDIANS - KIZH NATION  
Historically known as The San Gabriel Band of Mission Indians  
recognized by the State of California as the aboriginal tribe of the Los Angeles basin

**Notice of Intent to Adopt An Initial Study/ Mitigated Negative Declaration**

June 10, 2019

City of Riverside  
3801 Market Street  
Riverside, CA 92501

Good Morning Bart Doering,

We have received your Notice of Intent to adopt a Negative Declaration for the Moreno Valley College Welcome Center Building Project in the location of the Riverside County. Our Tribal Government would like to be consulted if any ground disturbance will be conducted for this project.

Sincerely,  
Gabrieleno Band of Mission Indians/Kizh Nation  
(1844) 390-0787 Office

Andrew Salas, Chairman  
Albert Perez, treasurer I

Nadine Salas, Vice-Chairman  
Martha Gonzalez Lemos, treasurer II

Dr. Christina Swindall Martinez, secretary  
Richard Gradias, Chairman of the council of Elders

PO Box 393 Covina, CA 91723

[www.gabrielenoindians@yahoo.com](http://www.gabrielenoindians@yahoo.com)

[gabrielenoindians@yahoo.com](mailto:gabrielenoindians@yahoo.com)

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**From:** Doering, Bart <Bart.Doering@rccd.edu>  
**Sent:** Monday, June 10, 2019 11:37 AM  
**To:** Administration Gabrieleno  
**Subject:** RE: [EXTERNAL SENDER] Moreno Valley College Welcome Center Building Project  
**Attachments:** [EXTERNAL SENDER] Re: AB52 consultation "Concluded" for the Moreno Valley College Welcome Center project.

Dear Admin Specialist,

Per the attached email from Mr. Salas, this location is out of your ancestral tribal territory. RCCD deferred this to the Soboba Band of Luiseno Indians.

“Mr. Bart,

Thank you for your email . Please note this project location is out of our ancestral tribal territory . Therefore please defer this project to the tribe of this area. Thank you “

Please let me know if you have any questions,

Thanks

**Bart Doering | Facilities Development Director**

Facilities Planning and Development  
3801 Market Street | Riverside, CA 92501 | (951) 222-8962

**From:** Administration Gabrieleno <admin@gabrielenoindians.org>  
**Sent:** Monday, June 10, 2019 9:47 AM  
**To:** Doering, Bart <Bart.Doering@rccd.edu>  
**Subject:** [EXTERNAL SENDER] Moreno Valley College Welcome Center Building Project

Please see attachment

Admin Specialist  
Gabrieleno Band of Mission Indians - Kizh Nation  
PO Box 393  
Covina, CA 91723  
Office: 844-390-0787  
website: [www.gabrielenoindians.org](http://www.gabrielenoindians.org)



Attachments area

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**From:** Tribal Historic Preservation Office <thpo@morongo-nsn.gov>  
**Sent:** Tuesday, June 18, 2019 1:25 PM  
**To:** Doering, Bart  
**Subject:** [EXTERNAL SENDER] Moreno Valley College Welcome Center Building

Hello Mr. Doering,

Could you please send me the link to the Initial Study/MND for the Moreno Valley College Welcome Center Building?

Sincerely,

Travis Armstrong  
Tribal Historic Preservation Officer  
Morongo Band of Mission Indians  
951-755-5259  
Email: thpo@morongo-nsn.gov



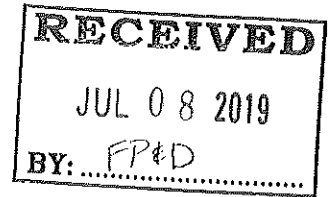


# TWENTY-NINE PALMS BAND OF MISSION INDIANS

46-200 Harrison Place . Coachella, California . 92236 . Ph. 760.863.2444 . Fax: 760.863.2449

July 3, 2019

Bart Doering, Facilities Development Director  
Riverside Community College District  
3801 Market Street  
Riverside, CA 92501



**RE: Notice of Intent to Adopt a Mitigated Negative Declaration for the Moreno Valley College Welcome Center Building**

Dear Mr. Doering,

This letter in regards to continued consultation the Moreno Valley College Welcome Center, located in within the Moreno Valley College campus in the city of Moreno Valley, California. This project involves the construction of an approximately 17,305 square-foot one-story welcome center on the college campus. The Twenty-Nine Palms Band of Mission Indians Tribal Historic Preservation Office (THPO) is not aware of any additional cultural resources in the project area that pertains to the Tribe. After a review of the project, the THPO does not have any additional concerns.

If you have any questions, please do not hesitate to contact the Tribal Historic Preservation Office at (760) 775-3259 or by email: [TNPConsultation@29palmsbomi-nsn.gov](mailto:TNPConsultation@29palmsbomi-nsn.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Anthony Madrigal, Jr.".

Anthony Madrigal, Jr.  
Director of the Tribal Historic Preservation Office

cc: Darrell Mike, Twenty-Nine Palms Tribal Chairman  
Sarah Bliss, Twenty-Nine Palms Tribal Cultural Resources Manager



Gavin Newsom  
Governor

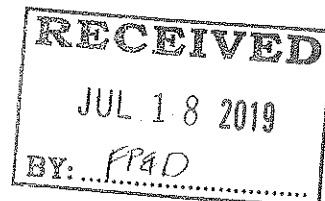
STATE OF CALIFORNIA  
Governor's Office of Planning and Research  
State Clearinghouse and Planning Unit



Kate Gordon  
Director

July 8, 2019

Bart Doering  
Riverside Community College District  
3801 Market Street  
Riverside, CA 92501



Subject: Moreno Valley College Welcome Center Project  
SCH#: 2019069012

Dear Bart Doering:

The State Clearinghouse submitted the above named MND to selected state agencies for review. The review period closed on 7/5/2019, and no state agencies submitted comments by that date. This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act, please visit: <https://ceqanet.opr.ca.gov/2019069012/2> for full details about your project.

Please call the State Clearinghouse at (916) 445-0613 if you have any questions regarding the environmental review process. If you have a question about the above-named project, please refer to the ten-digit State Clearinghouse number when contacting this office.

Sincerely,

Scott Morgan  
Director, State Clearinghouse





# **APPENDIX G**

## *Mitigation Monitoring and Reporting Program*



# Mitigation Monitoring and Reporting Program Moreno Valley College Welcome Center Project

*Prepared for:*

**Riverside Community College District**  
3801 Market Street  
Riverside, California 92501  
*Contact: Bart Doering, Facilities Development Director*

*Prepared by:*

**DUDEK**  
35544 University Avenue  
Riverside, California 92501  
*Contact: Rachel Struglia, PhD, AICP, Project Manager*

JULY 2019



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# 1 Introduction

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The California Environmental Quality Act (CEQA) requires that a public agency adopting a Mitigated Negative Declaration (MND) take affirmative steps to determine that approved mitigation measures are implemented after project approval. The lead or responsible agency must adopt a reporting and monitoring program for the mitigation measures incorporated into a project or included as conditions of approval. The program must be designed to ensure compliance with the MND during project implementation (California Public Resources Code, Section 21081.6(a)(1)).

This Mitigation Monitoring and Reporting Program (MMRP) will be used by the Riverside Community College District (District) to ensure compliance with adopted mitigation measures identified in the MND for the proposed Moreno Valley College Welcome Center Project (project) when construction begins. The District, as the lead agency, will be responsible for ensuring that all mitigation measures are carried out. Implementation of the mitigation measures would reduce impacts to below a level of significance for cultural resources, geology and soils, noise, and tribal cultural resources.

The remainder of this MMRP consists of a table that identifies the mitigation measures by resource for each project component. Table 1 identifies the mitigation monitoring and reporting requirements, list of mitigation measures, party responsible for implementing mitigation measures, timing for implementation of mitigation measures, agency responsible for monitoring of implementation, and date of completion. With the MND and related documents, this MMRP will be kept on file at the following location:

Riverside Community College District  
3801 Market Street  
Riverside, California 92501



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# 2 Mitigation Monitoring and Reporting Program Checklist

**Table 1  
Mitigation Monitoring and Reporting Program**

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
<b>Cultural Resources</b>			
<p><b>MM-CUL-1:</b> All construction crews shall be alerted to the potential to encounter archaeological resources. In the event that archaeological resources (sites, features, and artifacts) are exposed during construction activities involving ground disturbance for the project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified specialist, meeting the Secretary of the Interior’s Professional Qualification Standards, can evaluate the significance of the find and determine whether additional study is warranted. This avoidance buffer may be adjusted following inspection of this area by that qualified specialist. Prehistoric archaeological deposits may be indicated by the presence of discolored or dark soil, fire-affected material, concentrations of fragmented or whole shell, burned or complete bone, non-local lithic materials, or the characteristic observed to be atypical of the surrounding area. Common prehistoric artifacts may include modified or battered lithic materials; lithic or bone tools that appeared to have been used for chopping, drilling, or grinding; projectile points; fired clay ceramics or non-functional items; and other items. Historic-age deposits are often indicated by the presence of glass bottles and shards, ceramic material, building or domestic refuse, ferrous metal, or old features such as concrete foundations or privies. Depending upon the significance of the find under CEQA (14 CCR 15064.5(f); Public Resources Code Section 21082), the archaeologist may simply record the find and allow work to continue. Feasible options for avoidance must also be considered. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery may be warranted.</p>	Prior to and during construction	Riverside Community College District	
<b>Geology and Soils</b>			
<p><b>MM-GEO-1:</b> Prior to commencement of any grading activity on site, the Riverside Community College District shall retain a certified Riverside County paleontologist. The paleontologist shall prepare a Paleontological Resources Impact Mitigation Program (PRIMP) for the proposed project. The PRIMP shall be consistent with the guidelines of the Society of Vertebrate Paleontology (SVP 2010) and shall outline the following:</p>	Prior to commencement of grading activities and during construction	Riverside Community College District	

**Table 1  
Mitigation Monitoring and Reporting Program**

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
<ol style="list-style-type: none"> <li>1. Requirements for a preconstruction meeting that shall include a worker environmental awareness training.</li> <li>2. Requirements for the number of construction workers that shall attend the preconstruction meeting.</li> <li>3. Locations within the proposed project at which paleontological monitoring shall be required based on construction plans and/or geotechnical reports.</li> <li>4. Procedures for adequate paleontological monitoring and discoveries treatment, and paleontological methods (including sediment sampling for microvertebrate fossils), reporting, and collections management.</li> </ol> <p>The certified paleontologist shall attend the preconstruction meeting and a paleontological monitor shall be on site during all rough grading and other significant ground-disturbing activities in previously undisturbed, fine-grained older Quaternary alluvial deposits. These deposits may be encountered at depths as shallow as 5–10 feet below ground surface. In the event that paleontological resources (e.g., fossils) are unearthed during grading, the paleontological monitor will temporarily halt and/or divert grading activity to allow recovery of paleontological resources. The area of discovery will be roped off with a 50-foot radius buffer. Once documentation and collection of the find is completed, the monitor will remove the rope and allow grading to recommence in the area of the find.</p>			
<b>Noise</b>			
<p><b>MM-NOI-1:</b> Prior to grading permit issuance, the Riverside Community College District shall ensure the following:</p> <ol style="list-style-type: none"> <li>1. All construction equipment, fixed or mobile, shall be equipped with properly operating and maintained mufflers.</li> <li>2. Construction noise reduction methods such as shutting off idling equipment, installing temporary acoustic barriers around stationary construction noise sources, maximizing the distance between construction equipment staging areas and occupied residential areas, and use of electric air compressors and similar power tools, rather than diesel equipment, shall be used where feasible.</li> <li>3. During construction, stationary construction equipment shall be placed such that emitted noise is directed away from or shielded from sensitive noise receivers.</li> <li>4. During construction, stockpiling and vehicle staging areas shall be located as far as practical from noise sensitive receptors.</li> </ol>	Prior to grading permit issuance and during construction	Riverside Community College District	

**Table 1  
Mitigation Monitoring and Reporting Program**

Mitigation Measure	Implementation Timing	Agency Responsible for Monitoring	Date of Completion
5. Construction activities should be limited to the hours of 7:00 a.m. to 5:00 p.m., Monday through Saturday.			
<b>Tribal Cultural Resources</b>			
<p><b>MM-TRC-1:</b> Worker Environmental Awareness (WEAP) Training shall be provided for all construction personnel involved in the new ground disturbance. In the event that archaeological resources (sites, features, or artifacts) are exposed during construction activities for the proposed project, all construction work occurring within 100 feet of the find shall immediately stop until a qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, can evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find under CEQA (14 CCR 15064.5(f), California PRC Section 21082), the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work (e.g., preparation of an archaeological treatment plan, testing, or data recovery) may be warranted. If Native American resources are discovered or are suspected, Native American tribes, as indicated by the Native American Heritage Commission, shall be notified to evaluate the significance of the resource.</p>	Prior to and during construction	Riverside Community College District	
<p><b>MM-TRC-2:</b> In accordance with Section 7050.5 of the California Health and Safety Code, if human remains are found, the county coroner shall be immediately notified of the discovery. No further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains shall occur until the county coroner has determined, within 2 working days of notification of the discovery, the appropriate treatment and disposition of the human remains. If the county coroner determines that the remains are, or are believed to be, Native American, he or she shall notify the NAHC in Sacramento within 24 hours. In accordance with California PRC, Section 5097.98, the NAHC must immediately notify those persons it believes to be the MLD from the deceased Native American. The MLD shall complete their inspection within 48 hours of being granted access to the site. The designated Native American representative would then determine, in consultation with the property owner, the disposition of the human remains.</p>	During construction	Riverside Community College District	

## Board of Trustees Regular Meeting (VI.V)

Meeting	November 19, 2019
Agenda Item	Other Items (VI.V)
Subject	Other Items Destruction of Records
College/District	District
Funding	General Funds
Recommended Action	Recommend approving the destruction of the records on the attached listing.

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### Background Narrative:

All records classified as Class 3, after having been held for the required retention period, may be destroyed as per Title 5, Section 59020 et seq. of the California Administrative Code. Class 3 - Disposable Records are defined as any record archived for three (3) years after July 1 of that fiscal year. These include records basic to audit; relating to attendance; full-time equivalent students; or a business or financial transaction (purchase orders, invoices, warrants, ledger sheets, canceled checks and stubs, student body and cafeteria fund records, etc.); detailed records used in the preparation of reports and; periodic reports, such as daily, weekly and monthly reports, bulletins and instructions.

Board Policy 3310 establishes the authorization for destruction of records and Administrative Procedure 3310 establishes the procedures for destruction of records.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Bill J. Bogle, Jr., Interim Controller

**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
10	C0100385423	FY 2013/2014 1/1/14-2/28/14 FOOD SERVICES CREDIT CARD RECEIPTS	6/30/2019
10	C0100385424	FY 2013-2014 3/3/14-3/27/14 FOOD SERVICES CREDIT CARD RECEIPTS	6/30/2019
10	C0100385429	FY 2013/2014-9-16-2013-10/11/13 CREDIT CARD RECEIPTS (R,N,MV)	6/30/2019
10	C0100385433	FY 2013/2014 10/14/2013-11/8/13 FOOD SERVICE, CREDIT CARD RECEIPTS (R,N,MV)	6/30/2019
10	C0100385434	FY 2013/2014 11/12/2013-12/31/13 FOOD SERVICE, CREDIT CAR RECEIPTS (R,N,MV)	6/30/2019
10	826951449	2/7/17-3/3/17 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951450	12/5/16-2/6/17 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951451	3/6/17-3-28-17 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951452	9/20/16-10/10/16 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951453	8/1/16-9/19/16 FOOD SERVICE CREDIT CARD RECEIPTS RIV NOR MV	6/30/2019
10	826951454	11/1/16-12/2/16 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951455	6/1/16-7/31/16 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951456	10/11/16-10/31/16 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826951457	7/1/16-2/28/17 FOOD SERVICE CREDIT CARD RECEIPT RIV NOR MV	6/30/2019
10	826944225	FOUNDATION BANK RECS ACCT RECS BENEFACOR POSTINGS JULY-NOV 07/2/15-6/30/16	6/30/2019
10	826944238	FOUNDATION BENEFACOR POSTINGS BENEFACOR POSTINGS DEC-JUNE 7/1/15-6/30/16	6/30/2019
10	826944239	THEATER TRCS ASRCCD RECS JE 07/01/15-6/30/16	6/30/2019
10	826951289	FINANCIAL AID SCHOOL STATE GRANT BANK RECONCILIATIONS 07/1/2015-6/30/16	6/30/2019
10	826951290	STUDENT FEDERAL GRANTS BANK REC 07/1/2015-6/30/16	6/30/2019
17	826951295	FALL 2013 BENCHMARKS & SURVEYS BLUE SCANTRONS	6/30/2019
17	826951297	SPRING 2013 BENCHMARKS & SURVEYS BLUE SCANTRONS	6/30/2019
17	826951335	ACADEMIC SUPPORT DOCUMENTS CAPDATA INNOVATIVE LEARNING	6/30/2019
17	RF036145391	01/01/98-12/31/14 ACADEMIC SUPPORT DOCUMENTS DEAN DEBBIE WHITAKER OFFICE	6/30/2019
17	RF036145392	01/01/03-12/31/14 ACADEMIC SUPPORT DOCUMENTS DEAN DEBBIE WHITAKER OFFICE	6/30/2019
17	826951300	SUMMER 2011-SPRING 2012 NO SHOW GREEN SCANTRONS	6/30/2019
17	826951301	FALL 2013 GREEN SCANTRONS	6/30/2019
17	826951302	FALL 2012 FALL 2013 GREEN BLUE SCANTRONS	6/30/2019
17	826951303	FALL 2012 SPRING 2012 GREEN SCANTRONS	6/30/2019
17	826951307	SPRING 2013 PLANNING GREEN SCANTRONS	6/30/2019
17	826951308	SPRING 2013 PLANNING GREEN SHEETS	6/30/2019

**Destruction of Records**

**November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
17	826951309	SPRING 2013 PLANNING GREEN SCANTRONS	6/30/2019
17	826951310	SPRING/FALL 2013 PLANNING GREEN SCANTRONS	6/30/2019
17	826951311	FALL 2012/FALL 2013 PLANNING GREEN SCANTRONS	6/30/2019
25	C0100375754	STUDENT LOAN LEDGER CARDS 89-11, ZERO BALANCE LOAN	6/30/2019
25	C0100385437	CONTROLLERS OFFICE MISC, FILES RCCD MEDICAL PLAN 2008, ORANGE COUNTY FOUNDATION MEDICAL, SB-70 GRANT DOCUEMTNS, DR ROTELLA FILES	6/30/2019
25	RF036145409	15-16 DISTRICT INVOICES CALWORKS RIV-Z	6/30/2019
25	RF036145410	15-16 DISTRICT INVOICES A-CALWORKS PERRIS	6/30/2019
25	RF036145411	15-16 ASRCCD PAYABLES O-Z	6/30/2019
25	RF036145412	15-16 ASRCCD PAYABLES I-N	6/30/2019
25	RF036145413	15-16 ASRCCD PAYABLES A-H	6/30/2019
25	RF036145414	15-16 BANKCARDS, COMED, PARKING CULINARY, ED SERV, ABS, CASH RECEIPTS, CAL & FED SERV, HIGHER ONE	6/30/2019
25	RF036145415	15-16 COMED, COSMO, ASRCC BANKCARDS, ST SERV FEE, BACK RECS, FD SERV, DIST CLEARING, BANKCARD	6/30/2019
25	RF036145416	15-16 FOUNDATION PAYABLES BANK RECS & FIN STATEMENTS ST.FCD, STATE & SCHOOL, BANKCARD REFUNDS	6/30/2019
25	RF036145417	15/16 ADMISSION SESSIONS JAN 16-JUN 16	6/30/2019
25	RF036145418	15/16 ADMISSIONS SESSIONS JULY 15-DEC 15	6/30/2019
30	C0100156334	WARRANT REGISTERS DESTROY PER M. ELWOOD 5-15-19	6/30/2019
30	826896191	PD INV FY 13/14 C1141-C3660	6/30/2019
30	826896192	PD INV FY 13/14 C3667-C3954	6/30/2019
30	826896193	PD INV FY 13/14 C4136-C4299	6/30/2019
30	826896194	PD INV FY 13/14 C3857-C4136	6/30/2019
30	826896195	PD INV FY13/14 C4300-C4606	6/30/2019
30	826896196	PD INV FY 13/14 B11836-B12145	6/30/2019
30	826896197	PD INV FY 13/14 B1101-B111312	6/30/2019
30	826896198	PD INV FY 13/14 B09880-B11190	6/30/2019
30	826896199	PD INV FY 13/14 B11497-B11525	6/30/2019
30	826896200	PD INV FY 13/14 B11312-B11497	6/30/2019
30	826896201	PD INV 13/14 B11700-B11799	6/30/2019
30	826896202	PD INV 13/14 B11526-B11694	6/30/2019
30	826896203	PD INV 13/14 B12146-B12444	6/30/2019
30	826896204	PD INV 13/14 P29614-P38198	6/30/2019
30	826896205	PD INV 13/14 P38200-P38699	6/30/2019
30	826896206	PD INV FY 13/14 P38700-P39164	6/30/2019
30	826896207	PD INV FY 13/14 P39165-P39662	6/30/2019
30	826896208	PD INV FY 13/14 P39563-P40090	6/30/2019
30	826896209	PD INV FY 13/14 P40100-P40599	6/30/2019
30	826896210	PD INV FY 13/14 P40600-P41099	6/30/2019
30	826896211	PD INV FY 13/14 P41100-P41635	6/30/2019
30	826896212	PD INV FY 13/14 P41636-P2268	6/30/2019
30	826896213	PD INV FY 13/14 P42268-P42874	6/30/2019
30	826896214	PD INV FY 13/14 ZERO TRAVEL STU REFUND STATEMENTS	6/30/2019
30	826896215	PD INV FY 13/14 CL 212319-216608	6/30/2019
30	826896216	PD INV FY 13/14 CL216677-220757	6/30/2019
30	826896217	PD INV FY 13/14 CL 220867-224990	6/30/2019

**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
30	826896218	PD INV FY 13/14 CL 225003-226641	6/30/2019
30	826896219	PD INV FY 13/14 UTILITIES	6/30/2019
30	826950849	1099'S 2007-2012 DESTROY PER M. ELWOOD 5-15-19	6/30/2019
40	C0100337042	ACCOUNTING SERVICES RECORDS OF DEPOSIT FY 2012	6/30/2019
40	C0100337045	ACCOUNTING SERVICES RECORDS OF DEPOSIT FY 2012	6/30/2019
40	CCCCC086486	BUSINESS SERVICES 1-2	6/30/2019
40	RF036142118	FY 15/16 CKS TO COUNTY-CLEARING ACCTS FY 15/16 ABS RECEIPTS	6/30/2019
40	RF036142119	FY 14/15 CKS TO COUNTY-CLEARING ACCTS FY 15/16 AR BATCHES DETAIL W/BACKUP (JUL-SEP)	6/30/2019
40	RF036142120	FY 15/16 AR BATCHES DETAIL W/BACKUP (SEP-DEC)	6/30/2019
40	RF036142121	FY 15/16 AR BATCHES DETAIL W/BACKUP (JAN-MAR)	6/30/2019
40	RF036142122	FY 15/16 AR BATCHES DETAIL WITH BACK UP (APR-JUN)	6/30/2019
40	RF056894581	2010-2014 J. LITKE FILES AR INV-TRF-PEPSI COMMISSIONS	6/30/2019
81	RF036143138	FY 2010-2011 CALWORKS FILES SAL-QUE	6/30/2019
81	RF036143139	FY 2012-2013 CALWORKS FILES AC-CRU	6/30/2019
86	RF036142129	CE REGISTRATION 07/1/11-6/30/12	6/30/2019
86	RF036142136	SCE REGISTRATIONS 07/1/11-6/30/12	6/30/2019
97	826889072	AUGUST 2011 TO JULY 2012 PARAMEDIC MEDIC CLASS 12	6/30/2019
97	826943948	EMT (WED) CLASS #176 A-Z FALL 2011	6/30/2019
97	826943962	EVALUATIONS WINTER 2011-2012 SPRING 2010-2011 FALL 2010-2011	6/30/2019
97	826943968	PARAMEDIC DIDACTIC 1 & 2 CLASS #11 S-W	6/30/2019
97	826943973	PARAMEDICS FIELD CLASS # 11 L-Z	6/30/2019
97	826943974	PARAMEDIC CLINICAL CLASS #11 P-W	6/30/2019
97	826944044	PARAMEDIC DIDACTIC 1 & 2 CLASS #13 J-M	6/30/2019
97	826944045	PARAMEDIC CLINICAL CLASS #13 A-J	6/30/2019
97	826944052	EMS INSTRUCTOR FILES & STUDENT-EMPLOYMENT	6/30/2019
97	826944053	RIV. CO. EMS	6/30/2019
100	826946697	STUDENT FILES SPRING 2014 A-L	6/30/2019
100	826946698	STUDENT FILES SPRING 2014 M-Z	6/30/2019
120	826889491	FY 2010-2011 PROGRAM FILES FUNCTION 039-210	6/30/2019
120	826889492	FY 2010-2011 PROGRAM FILES FUNCTION 212-250	6/30/2019
120	826889493	FY 2010-2011 PROGRAM FILES FUNCTION 251-386	6/30/2019
120	826889632	BUDGET BINDERS FINAL RESOURCE 1000-ASRCC	6/30/2019
120	RF033575450	07/01/15-10/31/15 BUDGET OFFICE DAILY TRANSACTIONS FY 14/15 YEAR END	6/30/2019
120	RF036142296	11/1/15-1/31/16 BUDGET OFFICE DAILY TRANSACTIONS	6/30/2019
120	RF036142297	02/1/16-3/31/16 BUDGET OFFICE DAILY TRANSACTIONS	6/30/2019
120	RF036142298	4/1/16-5/31/16 BUDGET OFFICE DAILY TRANSACTIONS	6/30/2019
120	RF036142299	06/01/16-06/30/16 BUDGET OFFICE DAILY TRANSACTIONS & PERSONNEL SHEETS SPR, INTENTS, DIFF PAY, ETC	6/30/2019
125	RF036143238	FIRE-2/2015 THRU 4/2016 SFM	6/30/2019
125	RF036143239	FIRE-1/2012 THRU 11/2012 SFM	6/30/2019
125	RF036143240	FIRE-1/2015 THRU 12/2012 SFM	6/30/2019
130	826947559	1/13/12-6/4/12 RCCD FOUNDATION BATCHES 355-461	6/30/2019
130	826947560	5/30/12-11/29/12 RCCD FOUNDATION BATCHES 463-607	6/30/2019



**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
135	826946693	GATEWAY 05/06-07/08-08/09	6/30/2019
135	826946694	GATEWAY 09/10-10/11-12/13	6/30/2019
160	C0100210808	2000-2008 NORCO CAMPUS TEMP LOGS, INCIDENT REPORTS & FLU LOGS	6/30/2019
160	C0100210809	2000-2008 NORCO CAMPUS DAILY LOGS	6/30/2019
170	826889455	CERTIFICATED RECRUITMENTS C1100-C1118 (HR 525)	6/30/2019
170	826943799	CAPITAL PROGRAM ADMIN RECRUITMENT 2/27/09-DUF (HR 625)	6/30/2019
170	826943868	2015 ANNUAL CLASS REV (HR 603)	6/30/2019
170	826943872	2015 ANNUAL CLASS REV (HR 607)	6/30/2019
170	826943876	2015 ANNUAL CLASS REV (HR 611)	6/30/2019
170	RF036142175	CLASSIFIED RECRUITMENTS HR 695 L3985-L3995	6/30/2019
170	RF036142176	CERTIFIED RECRUITMENTS C1152-C1157 HR 698	6/30/2019
170	RF036142177	CERTIFICATED RECRUITMENTS HR 699 C1158-C1165	6/30/2019
170	RF036142266	CLASSIFIED RECRUITMENTS HR 675 (L3880 - L3887)	6/30/2019
170	RF036142267	CLASSIFIED RECRUITMENTS HR 674 (L 3876- L 3879)	6/30/2019
170	RF036142268	CLASSIFIED RECRUITMENTS HR 673 (L 3868- L 3875)	6/30/2019
170	RF036142269	CLASSIFIED RECRUITMENTS HR 672 (L 3858- L 3867)	6/30/2019
170	RF036142270	CLASSIFIED RECRUITMENTS HR 671 (L 3851- L 3857)	6/30/2019
170	RF036142271	CLASSIFIED RECRUITMENTS HR 670 (L 3843- ; 3850)	6/30/2019
170	RF036142274	CLASSIFIED RECRUITMENTS HR 676 (L3888-L3894)	6/30/2019
170	RF036142275	CLASSIFIED RECRUITMENTS HR 677 (L3895-L3899)	6/30/2019
170	RF036142276	CERTIFICATED RECRUITMENTS HR 678 (C1116-C1122)	6/30/2019
170	RF036142277	CERTIFICATED RECRUITMENTS HR 679 (C1123-C1124)	6/30/2019
170	RF036142278	CERTIFICATED RECRUITMENTS HR 680 (C1125-C1126)	6/30/2019
170	RF036142279	CERTIFICATED RECRUITMENTS HR 681 (C1127-C1133)	6/30/2019
170	RF036142280	CERTIFICATED RECRUITMENTS HR 682 (C1134-C1138)	6/30/2019
170	RF036142281	CERTIFICATED RECRUITMENTS HR 683 (C1139-C1145)	6/30/2019
170	RF036142282	CERTIFICATED RECRUITMENTS HR 684 (C1146-C1151)	6/30/2019
170	RF036142284	CLASSIFIED RECRUITMENTS HR 686 L3900-L3906 AND L3886	6/30/2019
170	RF036142285	CLASSIFIED RECRUITMENTS HR 687 K3907-L3912	6/30/2019
170	RF036142286	C,ASSOFOED RECRUITMENTS HR 688 L3913-L3918	6/30/2019
170	RF036142287	CLASSIFIED RECRUITMENTS HR 689 L3919-L3926	6/30/2019
170	RF036142288	CLASSIFIED RECRUITMENTS HR 690 L3927-L3940	6/30/2019
170	RF036142289	CLASSIFIED RECRUITMENTS HR 691 L3941-L3953	6/30/2019
170	RF036142290	CLASSIFIED RECRUITMENTS HR 692 L3954-L3959	6/30/2019
170	RF036142291	CLASSIFIED RECRUITMENTS HR 693 (L-3960-L3974)	6/30/2019
170	RF036142292	CLASSIFIED RECRUITMENTS HR 694 L3975-L3984	6/30/2019
180	CCCCC086491	INSTITUTIONAL RESEARCH	6/30/2019
180	CCCCC086551	REPORTS OFFICE OF RESEARCH & PLANNING	6/30/2019
180	CCCCC159224	PSPAC	6/30/2019
180	CCCCC186333	INSTITUTIONAL RESEARCH FALL 1998	6/30/2019
180	CCCCC186334	INSTITUTIONAL RESEARCH SPRING 1997	6/30/2019
180	CCCCC186335	INSTITUTIONAL RESEARCH SPRING 1995 MISCELLANEOUS	6/30/2019
180	CCCCC186336	INSTITUTIONAL RESEARCH FALL 1997	6/30/2019
180	CCCCC186337	INSTITUTIONAL RESEARCH FALL 1996	6/30/2019
180	RF056894547	PASSPORT TO COLLEGE ID	6/30/2019
190	C0100336136	INTERNATIONAL CENTER PERSONNEL FILES	6/30/2019

**Destruction of Records**

**November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
220	826889346	FY 13/14 SPP377-DRC ALL DOCUMENTS	6/30/2019
220	826889347	FY 13/14 SPP370-PERKINS BOX 1 OF 3 GRANTDOCS-RCC	6/30/2019
220	826889349	FY 12/13 & 13/14 SPP295/SB70 BOX 2 OF 2 YEMP FOLDERS ONLY	6/30/2019
220	826889350	FY 12/13 & 13/14 SPP295/SB70 BOX 1 OF 2 EXPENSES & EVIDENCE06302019	6/30/2019
220	826889359	SPP370 & SPP371-ALL BOX 3 OF 3 EVENT EVIDENCE	6/30/2019
220	826889360	FY 13/14 SPP370 & PERKINS BOX 2 OF 3 SUPPL. INST MV & NORCO	6/30/2019
220	826944226	ARTICULATION PACKETS CATEMA & TRANSCRIPT REVIEW 07/01/09-6/30/14	6/30/2019
240	C0100362999	PURCHASE ORDER C1141-C3929 TO B8387-B9734	6/30/2019
240	C0100363000	PURCHASE ORDERS B9735-10477 TO P24892-30774	6/30/2019
240	C0100363001	PURCHASE ORDERS P30775-P32099	6/30/2019
240	C0100363002	PURCHASE ORDERS P32100-P33199	6/30/2019
240	C0100363003	PURCHASE ORDER & AGREEMENTS P33201-34295 #-E	6/30/2019
240	C0100385397	CONTRACTS	6/30/2019
240	826889289	2013/14 OPEN PURCHASE ORDERS B-0011191-B-0012585	6/30/2019
240	826889290	2013/14 PURCHASE ORDERS P-0033937-P-0039561	6/30/2019
240	826889291	2013/14 PURCHASE ORDERS P-0039562-P-0040699	6/30/2019
240	826889292	2013/14 PURCHASE ORDERS P-0040700-P-0041899	6/30/2019
240	826889293	2013/14 PURCHASE ORDERS P-0041900-P-0043525	6/30/2019
240	826889500	FY 11/13 MISC. BIDS & RFPS	6/30/2019
240	826889504	2012/13-01 2012/13-20 2012/13-01 2012/13-20 BID FOLDERS	6/30/2019
240	826889505	2012/13-21 2012/13-30 2012/13-21 2012/13-30BID FOLDERS	6/30/2019
240	826889507	2012/13-31 2012/13-4 2012/13-36 2012/13-41 BID FOLDERS	6/30/2019
240	826889508	2012/13-43 SAS FACILITY FF&E RFQ #2012/13-43	6/30/2019
240	826889509	2012/13-44 2012/13-52 2012/13-44 2012/13-52 BID FOLDERS	6/30/2019
245	C0100335958	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100335959	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100335961	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100335962	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100335968	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100335969	10-11 PRINTING JOB TICKETS	6/30/2019
245	C0100363009	PRINTING JOB TICKETS 1026-1375	6/30/2019
245	C0100363010	PRINTING JOB TICKETS 1376-1750	6/30/2019
245	C0100363011	INVOICE JOB APPROVALS/PRINTING JOB TICKETS 1751	6/30/2019
245	C0100363012	PRINTING JOB TICKETS 700-1025	6/30/2019
245	C0100363013	PRINTING JOB TICKETS 326-699	6/30/2019
245	C0100363014	PRINTING JOB TICKETS 1-325	6/30/2019
245	C0100385334	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
245	C0100385335	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
245	C0100385336	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
245	C0100385337	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
245	C0100385338	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
245	C0100385339	FY 2012-2013 PRINTING & GRAPHICS JOB TICKETS	6/30/2019
246	RF036144635	PTAC CLIENT FILES	6/30/2019
246	RF036144636	PTAC CLIENT FILES	6/30/2019
246	RF036144637	PTAC CLIENT FILES	6/30/2019
246	RF036144638	PTAC CLIENT FILES	6/30/2019
246	RF036144639	PTAC CLIENT FILES	6/30/2019

**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
246	RF036144640	PTAV CLIENT FILES	6/30/2019
246	RF036144641	PTAC CLIENT FILES	6/30/2019
246	RF036144642	PTAC CLIENT FILES	6/30/2019
246	RF036144643	PTAC CLIENT FILES	6/30/2019
246	RF036144644	PTAC CLIENT FILES	6/30/2019
251	826889294	SPONSOR BILLING 6/1/14-12/31/14	6/30/2019
251	826889295	REFUNDS 06/1/14-12/31/14	6/30/2019
251	826889296	CALWORKS 06/01/14-12/31/14	6/30/2019
251	826889297	DEPT. OF VETERANS 06/1/13-12/31/14	6/30/2019
251	826889298	CASHIER INFO MISC. SIGN SHEETS PAYROLL 06/1/13-12/31/14	6/30/2019
251	826889299	REFUNDS 06/01/13-12/31/14	6/30/2019
251	826889300	REFUNDS 06/12/12-12/31/13	6/30/2019
251	826889301	TRAINING BINDERS 06/1/95-12/31/14	6/30/2019
251	826889302	CALWORKS 06/1/12-12/31/12	6/30/2019
251	826889303	REFUNDS 06/1/12-12/31/13	6/30/2019
251	826944128	BOARD POLICY MANUAL MANAGEMENT HANDBOOK 1/1/14-12/31/14	6/30/2019
251	826944129	COMPUTER CONVERSION, DATATEL GENERAL LEDGER 1/1/08-1/1/09	6/30/2019
251	826944130	BUDGET DISCIPLINARY GUIDELINES 1/1/06-1/1/09	6/30/2019
251	826944131	SPONSOR BILLING 6/1/13-12/31/14 FALL WINTER SPRING	6/30/2019
251	826944132	WIRE PAYMENTS, COTOP, PARKING REFUND 6/1/13-12/31/14 SUM FALL SPRING	6/30/2019
251	826944133	COTOP 1/1/14-12/31/15	6/30/2019
259	RF056894569	13/14 IP FILES	6/30/2019
259	826951337	13/14 AGENCY VERIFICATION	6/30/2019
259	826951338	13/14 APPROVED APPEALS	6/30/2019
259	826951339	13/14 APPROVED APPEALS (N-Z)	6/30/2019
259	826951340	13/14 PENDING APPEALS/DENIED	6/30/2019
259	826951341	13/14 FILES AWARDED (N-Z)	6/30/2019
259	826951342	13/14 FILES AWARDED (M-Z)	6/30/2019
259	826951343	13/14 FILES AWARDED (A-M)	6/30/2019
259	826951344	13/14 FILES AWARDED (A-M), (Z)	6/30/2019
259	826951345	13/14 AWARDED FILES (A-M) LOANS	6/30/2019
259	826951346	13/14 A-L VERIFIED	6/30/2019
259	826951347	13/14 LOAN APPS PROCESSED	6/30/2019
259	826951348	13/14 LOANS/SUB ISIR	6/30/2019
259	826951350	INREACH STATISTIC REPORTS	6/30/2019
259	826951432	13/14 BOGW	6/30/2019
259	826951435	13/14 APPEAL APPROVED, DENIED PENDING	6/30/2019
259	826951436	13/14 A-Z VERIFIED	6/30/2019
260	C0100375739	11/12 SUB. ISIR REPORTS 11/12 PACKAGING REPORTS	6/30/2019
260	C0100375740	2011/2012 PELL TRANSMITTALS	6/30/2019
260	C0100375747	2011-2012 INCOMPLETE	6/30/2019
260	CCCC086552	BACCALUREATE COURSES AGREEMENT STUDENT SERVICES	6/30/2019
260	CCCC483814	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCC483815	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCC483816	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019

**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
260	CCCCC483817	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483818	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483819	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483820	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483821	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483822	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483823	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483824	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483825	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483826	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483827	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483828	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483829	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483830	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	CCCCC483831	PASSPORT TO COLLEGE CLASS OF 2004 CONTRACTS - AGREEMENTS	6/30/2019
260	826889375	FY 13/14, 14/15 DEPENDENCY OVERRIDES	6/30/2019
260	826889376	FY 14/15 FILES G-O 8/14/15 NVC, NVD, VERIFIED	6/30/2019
260	826889381	FY 13/14 CHECK TRANSMITTALS NOV 13 DISB	6/30/2019
260	826889382	FY 13/14 CHECK TRANSMITTALS AUG 2013-SEPT 2013	6/30/2019
260	826889383	FY 13/14 TRANSMITTALS 2/21/14 DISB, 12/13/13 DISB, 1/24/14 DISB	6/30/2019
260	826889384	FY 13/14 CHECK TRANSMITTALS MVC FEB & MARCH 2014 DISB	6/30/2019
260	826889385	FY 13/14 TRANSMITTALS SUMMER 2014	6/30/2019
260	826889386	FY 13/14 RCC TRANSMITTALS 3/28/14 DISB, 5-9-14 DISB	6/30/2019
260	826889387	FY 13/14 CHECK TRANSMITTALS MVC 11/8/13, 12/13/13 DISB	6/30/2019
260	826889388	FY 13/14 MRR'S RCC & MVC FUND BALANCE REPORT, SAS REPORT	6/30/2019
260	826889389	FY 13/14 COSMO OVERPAYMENTS, NON RESIDENTS, STOP PAYMENTS, LEUS	6/30/2019
260	826889392	FY 13/14 TRANSMITTALS MVC 6/14, 7/14 SUMMER 2014	6/30/2019
260	826889397	13/14 APPEAL FILES/HOLD DOCS; A-O 7/2013-6/2014 NICOLE & JANA	6/30/2019
260	826889400	FY 13/14 RCCD SCHOLARSHIP SCORE SHEETS	6/30/2019

**Destruction of Records  
November 19, 2019**

<b>Department Number</b>	<b>Container Number</b>	<b>Description</b>	<b>Destroy Date</b>
260	826889401	FY 13/14 LOANS-PACKAGING WORKSHEETS A-F + G-O 9/13-6/14	6/30/2019
260	826889402	FY 13/14 RCCD SCHOLARSHIP APPS & MISC	6/30/2019
260	826889512	FY 13/14 PELL G-O 8/13-6/14	6/30/2019
260	826889515	FY 13/14 G-O PELL FILES 8/31-6/14	6/30/2019
260	826889519	FY 11/12 PELL A-F 7/14/11 & 8/11/11 D.L.	6/30/2019
260	826889520	FY 13/14 PELL G-O & P-Z 8/13-6/14	6/30/2019
260	826889523	FY 12/13 PELL G-O	6/30/2019
260	826889525	FY 10/11 PELL G-O	6/30/2019
260	826889535	FY 11/12 APPEAL APPROVED L-Z	6/30/2019
260	826889539	FY 12/13 PELL G-O	6/30/2019
260	826889542	FY 12/13 PELL A-F DL 8/9/12, 6/7/13, SUMMER 13 DLS; PRCR REPORTS A-F	6/30/2019
260	826889559	PELL FILES 11/12 P-Z 4/19 & 6/8 D.L., LOAN APPS 11/12	6/30/2019
260	826896232	FY 10/11, 11/12, 12&13 FISAP & OUTREACH LOGS	6/30/2019
260	826896243	FILES A-F FY 11/12 6/8/12 & 6/28/12, A-F PACKAGING REPORTS 11/12	6/30/2019
260	826946667	13/14 STUDENT EMPLOYMENT FILES A-G	6/30/2019
260	826946668	13/14 STUDENT EMPLOYMENT FILES H-R	6/30/2019
260	826946669	13/14 STUDENT EMPLOYMENT FILES S-Z AND MISC.	6/30/2019
261	826950763	DISBURSEMENTS & TRANSMITTAL (8/2013-11/2013)(NORCO)	6/30/2019
261	826950764	DISBURSEMENTS & TRANSMITTAL (12/2013-3/2014)(NORCO)	6/30/2019
261	826950765	DISBURSEMENTS & TRANSMITTALS (5/2014-8/2014) (NORCO)	6/30/2019
261	826950906	14/15 STUDENT FILES	6/30/2019
261	826950908	14/15 STUDENT FILES	6/30/2019
261	826950919	12-15 FINANCIAL RECORDS RECONCILIATION R2T4	6/30/2019
261	RF036142171	14/15 VERIFIED CON'T, APPEALS CON'T	6/30/2019
261	RF036142172	14/15 VERIFIED FILES	6/30/2019
261	RF036142173	14/15 VERIFIED CONT, 14/15 LOANS, APPEALS, IPS	6/30/2019
261	RF036142174	14/15 CAL, 13/14-14/15 SUM PELL, DEOG, BOGW, 14/15 BOGW, SAP	6/30/2019
271	RF036145397	07/1/15-6/30/17 REG SHEETS TIME SHEETS ACCT SHEETS EOPS FORMS SSS LA CASA	6/30/2019
271	RF036145398	07/1/15-6/30/17 REG CARDS TIME SHEETS ACCT. SHEETS EOPS FORMS SSS LA CASA	6/30/2019
290	826946718	14 SUM TO 15 SPR STUDENTS NON ACTIVE	6/30/2019
290	826946721	14 SUM TO 15 SPR STUDENTS NON ACTIVE	6/30/2019
290	826946722	14 SUM TO 15 SPR STUDENTS NON ACTIVE	6/30/2019
VC BFS	826889631	08/09 BUDGET BINDERS TENTATIVE BUDGET	6/30/2019

## Board of Trustees Regular Meeting (VI.W)

Meeting	November 19, 2019
Agenda Item	Other Items (VI.W)
Subject	Other Items Signature Authorization
College/District	District
Funding	N/A
Recommended Action	Recommend authorizing John Garaghty, Controller, to sign vendor warrant orders, salary payment orders, notices of employment, bank checks, investment and brokerage accounts, purchase orders, change orders, and grant documents.

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### Background Narrative:

On November 19, 2019, the Board of Trustees approved the following appointment for Riverside Community College District.

- John Geraghty, Controller - effective November 20, 2019

Therefore, it is necessary to update the Riverside County Office of Education Certification of Signatures form and District authorized signers.

Prepared By: Aaron S. Brown, Vice Chancellor, Business & Financial Services



Division of Administration and Business Services  
 District Fiscal Services

**County Use Only:**

Date Received: \_\_\_\_\_

Approved By: \_\_\_\_\_

# Certification of Signatures

District: Riverside Community College District

Date of Meeting: November 19, 2019

Please Check:  Newly Elected Governing Board  Addition in Column(s) II & III  Replacement in Column(s) \_\_\_\_\_

Column I	Column II	Column III
<i>Signatures of Members of the Governing Board</i>	<i>Signatures of Personnel Authorized to Sign Warrant Orders and Orders for Salary Payments*</i>	<i>Signatures of Personnel Authorized to Sign Notices of Employment</i>
_____ President of the Board	_____ John Geraghty, Controller	_____ John Geraghty, Controller
_____ Clerk or Vice President of the Board	_____	_____
_____ Member of the Board	_____	_____
_____ Member of the Board	_____	_____
_____ Member of the Board	_____	_____

*\*If the board has given special instructions for signing Warrant Orders, Orders for Salary Payment, or Notices of Employment, please attach a copy of the resolution to this form.*

Number of signatures district requires for:  Orders of Salary Payments : 1  "B" Warrant Orders: 1

I, Bill Hedrick, Clerk/Secretary of the Board of Trustees certify that the signatures shown below in Column I are the verified signatures of the members of the governing board; verified signatures of personnel authorized to sign orders drawn on the funds of the school district appear in Column II, and verified signatures of personnel authorized to sign Notices of Employment appear in Column III. No person other than an officer or employee of the district can be authorized to sign orders. These certifications are made in accordance with the provisions of Education Code Sections 42632, 42633, 44843, 85232, and 85233. If those authorized to sign orders as shown in Column II are unable to do so, the law requires the signatures of the majority of the governing board. Attached is the board agenda authorizing the following signatures.

Signature: \_\_\_\_\_

## Board of Trustees Regular Meeting (VI.X)

Meeting	November 19, 2019
Agenda Item	Other Items (VI.X)
Subject	Other Items Surplus Property
College/District	District
Funding	N/A
Recommended Action	Recommend by unanimous vote declaring the property on the attached list to be surplus; find the property does not exceed the total value of \$5,000; and authorize the property to be consigned to The Liquidation Company to be sold on behalf of the District.

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### Background Narrative:

Education Code Section 81450 permits the Board of Trustees to declare District property as surplus if the property is not required for school purposes; is deemed to be unsatisfactory or not suitable for school use; or if it is being disposed of for the purposes of replacement. Education Code section 81452 permits surplus property to be sold at private sale, without advertising, if the total value of the property does not exceed \$5,000. The District has determined that the property on the attached list does not exceed the total value of \$5,000. To help defray disposal costs and to generate a nominal amount of revenue, the staff proposes that we consign the surplus property identified in the attachment to The Liquidation Company for disposal.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Bill J. Bogle, Jr., Interim Controller



**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	GATEWAY	COMPUTER, LAPTOP	SOLO 9300	0019084106	014515
1	PANASONIC	DIGITAL VIDEO RECORDER, MINI-DV	AG-DV1000	E2TD00030	019455
1	HP	PRINTER, LASER, MONO	C4171A (LJ 2100)	USGH182159	020792
1	ELECTROTHERMAL	MELTING POINT APPARATUS, DIGITAL	1A9100 MK3	10018790	020908
1	CROWN	AMPLIFIER	CH2	102969	021501
1	CROWN	AMPLIFIER	CH2	102979	021502
1	CROWN	AMPLIFIER	CH2	102970	021503
1	CLEAR ONE	MIXER	XAP-800	5927-0313	021504
1	PEAVEY	PROCESSOR	XFRAME	1153551	021505
1	CLEAR ONE	MIXER	XAP-800	2800020221988	021506
1	PEAVEY	PROCESSOR	XFRAME	50339487	021507
1	CONTEMPORARY RESEARCH	TV TUNER	232-STA	208-5009-186	021508
1	SABINE	PROCESSOR, FEEDBACK ELIMINATOR	FBX1020+	10209707	021509
1	CLEAR ONE	POWER AMPLIFIER	XAP-400	2498-0322	021510
1	CRESTRON	SYSTEM CONTROL UNIT	AV2	1039322	021511
1	EXTRON	SCAN CONVERTER	VSC 500	714638032E13188	021514
1	EXTRON	VIDEO SCALER	DVS 204	713444034E13103	021515
1	EXTRON	SYSTEM SWITCHER	MATRIX 6400	706252004E13081	021517
1	LISTEN TECH	FM TRANSMITTER, STATIONARY, ASSISTED LISTENING DEVICE	LT-800-072	C0310339	021518
1	CRESTRON	CONTROL	ST-COM	1056057	021519
1	CRESTRON	CONTROL	ST-COM	1056132	021520
1	CRESTRON	CONTROL	ST-VS	1049361	021521
1	EXTRON	SYSTEM SWITCHER	MATRIX 6400	711781001E13081	021522
1	EXTRON	COMPUTER INTERFACE	RGB202	682236008	021525
1	SONY	POWER SUPPLY	CMA-D2	33129	021526
1	SONY	POWER SUPPLY	CMA-D2	33130	021527
1	SONY	POWER SUPPLY	CMA-D2	33128	021528
1	CRESTRON	CRESNET DISTRIBUTION UNIT	CNHBLOCK	1063823	021546
1	ADC	PATCH PANEL, VIDEO	PPI2224RS-75N	NONE	021547
1	CONTEMPORARY RESEARCH	TV TUNER	232-STA	208-5009-184	021568
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	897803	021599
1	JVC	VIDEO CASSETTE RECORDER (VCR), VHS	HR-S3901	08741897	021616
1	PANASONIC	QUAD UNIT	WJ-MS424	CDA00590	021617
1	EXTRON	SWITCHER	CROSSPOINT 284HV	671527008	021618
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	01020300090	021621
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	01020300111	021622

**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	01020300093	021623
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	1020300027	021624
1	KRAMER	VIDEO CONVERTER	401C	00010307128	021625
1	KRAMER	COMPOSITE TO Y/C DECODER	401D	01020300117	021626
1	KRAMER	VIDEO CONVERTER	401C	00010307129	021627
1	APC	UNINTERRUPTIBLE POWER SUPPLY (UPS)	SUA1500RM2U	A50310212115	021633
1	APC	UNINTERRUPTIBLE POWER SUPPLY (UPS)	SUA1500RM2U	A50310213312	021634
1	CRESTRON	POWER SUPPLY	CNPWS-75	1060918	021656
1	CRESTRON	POWER SUPPLY	CNPWS-75	D137664	021657
1	CRESTRON	POWER SUPPLY	CNPWS-75	1060924	021658
1	WOHLER	AMPLIFIER	TR70A24 02A01	57263	021659
1	SONY	CAMERA - LENS	VLC-717BXEA	624	023056
1	SONY	CAMERA, VIDEO, MEDICAL, COLOR, 1/2" 3CCD	DXC-990	101695	023057
1	EXTRON	VIDEO DISTRIBUTION AMP	SVDA6MX	701487014E12855	023104
1	KRAMER	POWER SUPPLY	VA-50P	890174	023105
1	KRAMER	POWER SUPPLY	VA-50P	890183	023106
1	SONY	CAMERA - LENS	VLC-717BXEA	626	023115
1	SONY	CAMERA	DXC-990	101627	023116
1	SONY	CAMERA	DXC-990	101637	023119
1	SONY	CAMERA - LENS	VLC-717BXEA	616	023120
1	CRESTRON	MOUSE/KEYBOARD CONTROLLER	CNMK	1081873	023139
1	HITACHI	VIDEO PROJECTOR	CPX445	G5F000119	025229
1	GATEWAY	COMPUTER, LAPTOP	M460E	0035395893	025414
1	GATEWAY	MONITOR, LCD	FPD1730	MUL7007K0019391	025719
1	DELL, INC.	COMPUTER, DESKTOP	XPS 600	90BQ191	025786
1	APPLE, INC.	COMPUTER, DESKTOP, WORKSTATION	A1047	G84463Z2QPL	026352
1	HP	PRINTER, LASER, COLOR	Q3670A (CLJ4650DN)	JPHAB19468	026688
1	SCAG POWER EQUIPMENT	MOWER, RIDING, 3 WHEEL, 23 HP HYDR	STHM-23CV	A3900026	031744
1	JOHN DEERE	VEHICLE, UTV, UTILITY, GAS	GATOR CX	M00CXA032461	031745
1	SONY	COMPUTER, LAPTOP	PCG7D2L	C300QPGV	032400
1	FELLOWES	SHREDDER, COMMERCIAL, CROSS-CUT, 30 SHEET	C-420C (CRC 38425)	051206 EC 0000706	032406
1	SONY	COMPUTER, LAPTOP	PCG4F1L	J0015A2C	032410
1	GATEWAY	MONITOR, LCD	FPD1765	MW671B0N07637	033215
1	GATEWAY	MONITOR, LCD	FPD1765	MW671B0N07650	033219
1	GATEWAY	COMPUTER, DESKTOP	E4500D	0039039918	033934
1	DELL, INC.	COMPUTER, LAPTOP	LATITUDE D630	6NN1BD1	036297
1	JOHN DEERE	VEHICLE, UTV, UTILITY, GAS	GATOR CX	M00CXRA051546	036422

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**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	GATEWAY	COMPUTER, DESKTOP	E6610D	0004568340	037742
1	HP	PRINTER, LASER, MONO	CB368A (P2015DN)	CNBJR55481	038002
1	LENOVO	COMPUTER, DESKTOP	6075CTO (M57)	LKMMRKF	038113
1	HP	MONITOR, LCD	GS917A8 (L1710)	3CQ90613WW	038609
1	VIEWSONIC	MONITOR, LCD	VX2240W	QRB091300278	038819
1	DELL, INC.	PRINTER, LASER, MFP, COLOR	5130CDN	FW6DBK1	039758
1	HPE	COMPUTER, SERVER	ML150G5 E5410	MXS9140FED	039899
1	LENOVO	MONITOR, LCD	4424HB6 (L1940P)	V6C0244	040704
1	HPE	COMPUTER, SERVER	DL380R05 E5440	2UX943075M	041020
1	DELL, INC.	MONITOR, LCD	2007FP	MX0G324H7426203G 14JL	041296
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-4300-0003	010708000035	041658
1	DELL, INC.	COMPUTER, SERVER	POWEREDGE 1950	1PVPRG1	041664
1	DELL, INC.	COMPUTER, SERVER	POWEREDGE 2950	7S5L7G1	041665
1	DELL, INC.	COMPUTER, SERVER	POWEREDGE 2950	CSNSMG1	041666
1	LENOVO	COMPUTER, DESKTOP	7484WUT (M58P)	MJPFE58	041925
1	DELL, INC.	MONITOR, LCD	P170S	CN0YVG53728720AM C9KU	042940
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 780	7S7G8P1	042951
1	DELL, INC.	COMPUTER, DESKTOP	PRECISION T1500	367TBP1	043201
1	SEGWAY	VEHICLE, PERSONAL TRANSPORTER, ELECTRIC	I2 PATROLLER	102451063867	043333
1	LENOVO	MONITOR, LCD	4431HE1	V1AWZ67	044415
1	LENOVO	COMPUTER, DESKTOP	7483WTD (M58P)	MJXVPY5	044416
1	LENOVO	COMPUTER, DESKTOP	7483WTD (M58P)	MJXVRH3	044421
1	SEGWAY	VEHICLE, PERSONAL TRANSPORTER, ELECTRIC	I2 PATROLLER	102451063865	044631
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 790	G58WTR1	047174
1	DELL, INC.	MONITOR, LCD	P190S	CN09TVYF72872186J 74I	047280
1	RICOH	PRINTER, LASER, MFP, MONO	AFICIO SP 3400SF	S6819000689	48092
1	APPLE, INC.	COMPUTER, TABLET, IPAD	MD329L/A	DYTJ7Z1FDVD2	050267
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 790	46RN9Y1	051672
1	APPLE, INC.	COMPUTER, LAPTOP, MACBOOK	A1398	C02LX2UNFD58	051835

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**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	DELL, INC.	COMPUTER, LAPTOP	LATITUDE E6530	JRJ4CW1	052298
1	DELL, INC.	COMPUTER, DESKTOP, WORKSTATION	PRECISION T1650	HSMYSW1	052399
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 7020	H94TP22	060552
1	LENOVO	COMPUTER, DESKTOP, AIO	10AF0008US (M93Z)	MJ02H0SG	061716
1	LENOVO	COMPUTER, DESKTOP, AIO	10F5S0B000 (M900Z)	MJ03TY1E	065067
1	LG	MONITOR, LCD	L1942PT	809NDQA9Y826	065715
1	LG	MONITOR, LCD	L1942PT	808NDPHDK392	065716
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 990	C46QNS1	48278
1	DELL, INC.	MONITOR, LCD	U2212HM	CN0D4FKG6418034J 151L	051354
1	LENOVO	COMPUTER, DESKTOP, AIO	10BBS0GA00 (M73Z)	MJ021NBK	NONE
1	LENOVO	MONITOR, LCD	3024HC1 (LT2223P)	V1XR680	063082
1	LENOVO	COMPUTER, DESKTOP, AIO	1677W1J (M71Z)	MJKRDHT	48124
1	FISHER SCIENTIFIC	HOT PLATE/ STIRRER, DIGITAL	11-100-16SH	C1889121160463	NONE
1	DELVCAM	VIDEO MONITOR, PROFESSIONAL, 7 INCH	DELV-HD7	332818	NONE
1	HAIER	MICROWAVE, COUNTERTOP, 1.1 CU. FT.	MWM11100TW	1234567017 200709090664	NONE
1	DELL, INC.	COMPUTER, DESKTOP	OPTIPLEX 7010	6L44XX1	051793
1	LENOVO	MONITOR, LCD	4431HE1	V1AXA85	NONE
1	IBM	TYPEWRITER, ELECTRIC, WHEELWRITER	N/A	NONE	003169
1	LENOVO	COMPUTER, LAPTOP	20AUS0FH00 (L540)	R900FEYY	49050
1	HP	SCANNER, FLATBED, PHOTO	L1957A (G4050)	CN69PA60JH	NONE
1	APC	UNINTERRUPTIBLE POWER SUPPLY (UPS)	BR1500LCD	3B1003X04093	NONE
1	LENOVO	COMPUTER, DESKTOP	7483WTD (M58P)	MJXVRE3	NONE
94	N/A	CHAIR, TASK, PADDED, ROLLING	N/A	NONE	NONE
1	N/A	TABLE, CONFERENCE, WOOD, OVAL	N/A	NONE	NONE
10	N/A	CHAIR, CONFERENCE, MID-BACK, ROLLING	N/A	NONE	NONE
1	MAGIC CHEF	REFRIGERATOR, MINI, 3.5 CU. FT., STAINLESS	HMBR350SE	THD1307HMBR350S E15794	NONE
1	N/A	DESK, WOOD, RECTANGLE (36X24X31)	N/A	NONE	NONE
1000+	NEC	TELEPHONES, DIGITAL AND VOIP	MULTIPLE	MULTIPLE	NONE

**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	ELECTROTHERMAL	MELTING POINT APPARATUS, DIGITAL	1A9100 X1	10780774	NONE
1	PICTURETEL	CAMERA, VIDEO CONFERENCING (PTZ)	PTZ-2P	M540005803R-RM014087	011681
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021294
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021295
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021296
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021297
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021298
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021300
1	VBRICK SYSTEMS	ENCODER / DECODER MPEG	9110-6200-0002	NONE	021302
1	BITTREE	PATCH BAY, AUDIO/VIDEO	26269-1	NONE	021641
1	VADDIO	CAMERA, VIDEO (PTZ), COLOR, NTSC	70 PTZ NTSC	NONE	046441
1	VADDIO	CAMERA, VIDEO (PTZ), COLOR, NTSC	70 PTZ NTSC	NONE	046442
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046443
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046444
1	VADDIO	CAMERA, VIDEO (PTZ), COLOR, NTSC	70 PTZ NTSC	NONE	046445
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046446
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046447
1	VADDIO	CAMERA, VIDEO (PTZ), COLOR, NTSC	70 PTZ NTSC	NONE	046449
1	VADDIO	CAMERA, VIDEO (PTZ), COLOR, NTSC	70 PTZ NTSC	NONE	046453
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046454
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046455
1	SONY	CAMERA, VIDEO (PTZ), COLOR, NTSC	EVI-D70C	NONE	046456
1	MIDDLE ATLANTIC	RACK MOUNT MONITOR (4), LCD, STANDARD DEFINITION	PREVIEW QUAD 4	NONE	046457
1	MIDDLE ATLANTIC	RACK MOUNT MONITOR (4), LCD, STANDARD DEFINITION	PREVIEW QUAD 4	NONE	046458

**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	MIDDLE ATLANTIC	RACK MOUNT MONITOR (4), LCD, STANDARD DEFINITION	PREVIEW QUAD 4	NONE	046459
1	MIDDLE ATLANTIC	RACK MOUNT MONITOR (4), LCD, STANDARD DEFINITION	PREVIEW QUAD 4	NONE	046460
1	VADDIO	CAMERA CONTROL SYSTEM, PRECISION	PRODUCTIONVI EW FX	NONE	046461
1	VADDIO	CAMERA CONTROL SYSTEM, PRECISION	PRODUCTIONVI EW FX	NONE	046462
1	VADDIO	CAMERA CONTROL SYSTEM, PRECISION	PRODUCTIONVI EW FX	NONE	046463
1	VADDIO	CAMERA CONTROL SYSTEM, PRECISION	PRODUCTIONVI EW FX	NONE	046464
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033192-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033211-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033191-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017258-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017127-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017128-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033212-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017257-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017259-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033190-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017125-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1033189-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017260-B	NONE
1	JBL	SPEAKER, IN-CEILING	CONTROL 24CT	K-24T-1017126-B	NONE
1	MIDDLE ATLANTIC	SURGE PROTECTOR, POWER DISTRIBUTION UNIT (PDU)	PD-915R	NONE	NONE
1	DELL, INC.	COMPUTER, SERVER	POWEREDGE 1650	GF9QX21	NONE
1	N/A	BASS RUNNER CHASSIS	N/A	SHX347360000617	NONE
1	JBL	SPEAKER, 2-WAY, FULL RANGE	MS28	1097-15024	NONE

**SURPLUS EQUIPMENT**  
**November 19, 2019**

<b>QTY.</b>	<b>BRAND</b>	<b>DESCRIPTION</b>	<b>MODEL #</b>	<b>SERIAL #</b>	<b>ASSET TAG #</b>
1	JBL	SPEAKER, 2-WAY, FULL RANGE	MS28	1097-15026	NONE
1	BELKIN	SURGE PROTECTOR, POWER DISTRIBUTION UNIT (PDU)	SURGE MASTER II	NONE	NONE
1	LENOVO	COMPUTER, DESKTOP, AIO	10NS0006US (M910Z)	MJ05K7F8	069986
1	LENOVO	COMPUTER, DESKTOP, AIO	10NS0006US (M910Z)	MJ05K7FG	070380
1	LENOVO	COMPUTER, DESKTOP, AIO	10NS0006US (M910Z)	MJ05K7F5	070382

## Board of Trustees Regular Meeting (VII.A)

Meeting	November 19, 2019
Agenda Item	Consent Agenda Information (VII.A)
Subject	Capital Program Executive Summary Report as of October 31, 2019
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

See the attached monthly Capital Program Executive Report (CPES) as of October 31, 2019. The CPES report reflects Measure C proceeds, income, project commitments, and available balances.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Majd Askar, Director, Business Services  
Hussain Agah, Associate Vice Chancellor, Facilities Planning & Development



Riverside Community College District  
 Measure C - Capital Program Executive Summary Report  
 As of October 31, 2019

	Moreno Valley College	Norco College	Riverside City College	District	Centrally Controlled			Total
					Approved Projects	Program Reserve	Program Contingency	
Original Measure C Allocation Split	\$ 69,200,000	\$ 66,300,000	\$ 173,100,000	\$ 19,200,000	\$ 19,300,000	\$ 24,000,000	\$ 10,000,000	\$ 381,100,000
Redistribution of Specific Donations/Rebates	\$ (1,086,934)	\$ (975,883)	\$ 3,293,229	\$ (326,040)	\$ -	\$ (642,104)	\$ (262,268)	
Income Distribution Through June 30, 2018	\$ 542,389	\$ 1,147,238	\$ 2,152,531	\$ 139,690	\$ -	\$ 275,340	\$ 112,462	\$ 4,369,649
Additional Allocation from District/Centrally Controlled	\$ 9,692,720	\$ 3,219,947	\$ 14,343,533	\$ 2,810,964	\$ (28,317)	\$ (22,184,271)	\$ (7,854,576)	\$ -
Total Measure C Allocation	\$ 78,348,175	\$ 69,691,302	\$ 192,889,293	\$ 21,824,614	\$ 19,271,683	\$ 1,448,965	\$ 1,995,618	\$ 385,469,649
Project Commitments	\$ (77,902,480)	\$ (72,421,932)	\$ (186,788,730)	\$ (21,824,614)	\$ (18,623,243)	\$ -	\$ -	\$ (377,560,999)
Remaining Uncommitted Funds	\$ 445,695	\$ (2,730,630)	\$ 6,100,563	\$ -	\$ 648,440	\$ 1,448,965	\$ 1,995,618	\$ 7,908,651

Riverside Community College District  
 Measure C - Capital Program Executive Summary Report  
 As of October 31, 2019

MORENO VALLEY COLLEGE					
Description	Total Project Budget	Measure C Budget	Non-Measure C Budget	Additional Measure C Budget	Measure C Allocation
					\$ 69,200,000
Redistribution of College Specific Donations/Rebates Included in Original Allocation				\$ (1,086,934)	\$ 68,113,066
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018				\$ 542,389	\$ 68,655,455
<b>APPROVED PROJECTS</b>					
Certificates of Participation (93 & 01 Refunding)	\$ 2,635,830	\$ 2,635,830	\$ -	\$ -	\$ 66,019,625
CO Bond Issuance Related Expenditures	\$ 1,026,409	\$ 1,026,409	\$ -	\$ -	\$ 64,993,216
District Phone & VM upgrade	\$ 73,639	\$ 73,639	\$ -	\$ -	\$ 64,919,577
ECS Secondary Effects	\$ 286,227	\$ 286,227	\$ -	\$ -	\$ 64,633,350
Emergency Phone Project	\$ 88,318	\$ 88,318	\$ -	\$ -	\$ 64,545,032
Long Range Master Plans	\$ 289,985	\$ 289,985	\$ -	\$ -	\$ 64,255,047
Hot Water Loop System & Boiler Replacement	\$ 869,848	\$ 869,848	\$ -	\$ -	\$ 63,385,199
Logic Domain- CMP System	\$ 55,783	\$ 55,783	\$ -	\$ -	\$ 63,329,416
Infrastructure Projects (IT Upgrade)	\$ 102,211	\$ 102,211	\$ -	\$ -	\$ 63,227,205
Utility Retrofit Project (NORESKO)	\$ 1,388,503	\$ 1,388,503	\$ -	\$ -	\$ 61,838,702
Modular Redistribution Projects	\$ 3,945,332	\$ 3,939,832	\$ -	\$ -	\$ 57,898,870
Scheduled Maintenance Match (Historical)	\$ 351,322	\$ 351,322	\$ 635,669	\$ -	\$ 57,547,548
ECS Bldg. Upgrade	\$ 252,296	\$ 252,296	\$ -	\$ -	\$ 57,295,252
District Computer/Network System Upgrade	\$ 211,433	\$ 211,433	\$ -	\$ -	\$ 57,083,819
Safety & Site Improvement Project	\$ 919,827	\$ 719,827	\$ 200,000	\$ -	\$ 56,363,992
Food Services Remodel (& Int facilities)	\$ 2,654,335	\$ 2,649,606	\$ 28,000	\$ -	\$ 53,714,386
Network Operations Center	\$ 3,524,082	\$ 2,931,707	\$ -	\$ -	\$ 50,782,679
Learning Gateway Building & Lions Lot	\$ 5,269,307	\$ 4,984,261	\$ -	\$ -	\$ 45,798,418
Student Academic Services-Phase III	\$ 21,080,265	\$ 5,939,817	\$ 14,036,000	\$ -	\$ 39,858,601
Science Lab Remodel (Phase I&II)	\$ 500,000	\$ 302,804	\$ -	\$ -	\$ 39,555,797
Feasibility/Planning/Mngmnt/Staffing	\$ 1,986,231	\$ 1,986,231	\$ -	\$ -	\$ 37,569,566
Scheduled Maintenance (2010+) (\$640Kx5 years)	\$ 1,080,320	\$ 603,460	\$ 72,430	\$ -	\$ 36,966,106
Nursing Portables	\$ 705,338	\$ 705,338	\$ -	\$ 705,338	\$ 36,966,106
A/V & Lighting Hum 129 & SS 101	\$ 200,000	\$ 134,457	\$ -	\$ -	\$ 36,831,649
MVC Master Plan Update	\$ 877,500	\$ 877,500	\$ -	\$ 186,000	\$ 36,140,149
Electronic Contract Document Storage	\$ 10,550	\$ -	\$ -	\$ -	\$ 36,140,149
Dental Education Center	\$ 10,700,181	\$ 9,877,088	\$ -	\$ 373,349	\$ 26,636,410
Adm Move to Humanities	\$ 25,990	\$ 25,990	\$ -	\$ -	\$ 26,610,420
Mechanical Upgrade Projects	\$ 875,000	\$ 660,245	\$ -	\$ -	\$ 25,950,175
2013 FPP/IPP	\$ -	\$ -	\$ -	\$ -	\$ 25,950,175
Emergency Phone Repairs	\$ 450,000	\$ 341,582	\$ -	\$ 341,582	\$ 25,950,175
Physician Asst Lab Remodel	\$ 120,000	\$ 49,191	\$ -	\$ 49,191	\$ 25,950,175
MVC Student Services Welcome Center	\$ 19,000,000	\$ 19,000,000	\$ -	\$ 5,000,000	\$ 11,950,175
Health Science Center - MVC	\$ 164,971	\$ 164,971	\$ -	\$ -	\$ 11,785,204
Ben Clark Training Center, Phase 1	\$ 13,084,500	\$ 13,084,500	\$ -	\$ 2,000,000	\$ 700,704
Center for Human Performance	\$ 112,009	\$ 112,009	\$ -	\$ -	\$ 588,695
Library Learning Center	\$ 143,000	\$ 143,000	\$ -	\$ -	\$ 445,695
Elevator Modernization and Fire Alarm System Upgrade	\$ 1,000,000	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 445,695
Scheduled Maintenance - FY 19/20 Allocation	\$ 37,260	\$ 37,260	\$ -	\$ 37,260	\$ 445,695
Remaining Measure C Funds					\$ 445,695
	\$ 96,097,802	\$ 77,902,480	\$ 14,972,099	\$ 9,148,175	
<b>5 YEAR CCP</b>					
Library Learning Center	\$ 55,144,000	\$ 27,572,000	\$ 27,572,000		
Biological & Physical Science Building	\$ 34,636,000	\$ 17,318,000	\$ 17,318,000		
Kinesiology and Athletics Building	\$ 31,014,000	\$ 15,507,000	\$ 15,507,000		
Visual/Performing Arts Center	\$ 25,350,000	\$ 12,675,000	\$ 12,675,000		

Measure C Summary

Original Measure C Allocation	\$ 69,200,000
Additional Measure C Allocation	\$ 9,148,175
Total Measure C Allocation	<u>\$ 78,348,175</u>

Riverside Community College District  
 Measure C - Capital Program Executive Summary Report  
 As of October 31, 2019

NORCO COLLEGE					
Description	Total Project Budget	Measure C Budget	Non-Measure C Budget	Additional Measure C Budget	Measure C Allocation
					\$ 66,300,000
From Centrally Controlled - Program Contingency				\$ 500,000	\$ 66,800,000
Redistribution of College Specific Donations/Rebates Included in Original Allocation				\$ (975,883)	\$ 65,824,117
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018				\$ 1,147,238	\$ 66,971,355
APPROVED PROJECTS					
Certificates of Participation (93 & 01 Refunding)	\$ 2,535,893	\$ 2,535,893	\$ -	\$ -	\$ 64,435,462
CO Bond Issuance Related Expenditures	\$ 987,493	\$ 987,493	\$ -	\$ -	\$ 63,447,969
District Phone & Voicemail Upgrades	\$ 70,847	\$ 70,847	\$ -	\$ -	\$ 63,377,122
Room Renovations	\$ 100,019	\$ 100,019	\$ -	\$ -	\$ 63,277,103
Emergency Phone Project	\$ 102,773	\$ 102,773	\$ -	\$ -	\$ 63,174,330
Long Range Master Plans	\$ 362,670	\$ 362,670	\$ -	\$ -	\$ 62,811,660
Logic Domain- CPM System	\$ 53,668	\$ 53,668	\$ -	\$ -	\$ 62,757,992
Infrastructure Project (IT Upgrade)	\$ 98,336	\$ 98,336	\$ -	\$ -	\$ 62,659,656
Utility Retrofit Project (NORESKO)	\$ 1,587,401	\$ 1,587,401	\$ -	\$ -	\$ 61,072,255
Modular Redistribution Project	\$ 2,109,572	\$ 2,109,572	\$ -	\$ -	\$ 58,962,683
Scheduled Maintenance Match (Historic)	\$ 180,850	\$ 180,850	\$ 362,942	\$ -	\$ 58,781,833
ECS Building Upgrade	\$ 137,265	\$ 137,265	\$ -	\$ -	\$ 58,644,568
Industrial Technology Facility-PhaseIII	\$ 28,800,284	\$ 9,715,350	\$ 18,990,000	\$ -	\$ 48,929,218
District Computer Network/Systems Upgrade	\$ 203,417	\$ 203,417	\$ -	\$ -	\$ 48,725,801
Soccer Field Turf/Locker Rooms	\$ 3,904,973	\$ 3,879,314	\$ -	\$ -	\$ 44,846,487
Site & Safety Improvements-3rd St	\$ 967,442	\$ 967,442	\$ -	\$ -	\$ 43,879,045
Center for Student Success	\$ 15,635,918	\$ 15,633,873	\$ -	\$ -	\$ 28,245,172
Norco Operations Center (PBX/M&O)	\$ 11,775,000	\$ 11,277,010	\$ -	\$ -	\$ 16,968,162
Secondary Effects project (SSC & ITB)	\$ 16,044,292	\$ 16,028,180	\$ -	\$ 35,288	\$ 975,270
Groundwater Mont Wells Disposition	\$ 517,660	\$ 211,149	\$ 16,696	\$ 211,149	\$ 975,270
Feasibility/Planning/Mngmnt/Staffing	\$ 1,910,923	\$ 1,910,923	\$ -	\$ -	\$ (935,653)
Scheduled Maintenance (2010+) \$640Kx5 yrs	\$ 580,580	\$ 580,580	\$ 72,430	\$ -	\$ (1,516,233)
Master Plan Update	\$ 178,300	\$ 178,300	\$ -	\$ -	\$ (1,694,533)
Electronic Contract Document Storage	\$ 10,150	\$ -	\$ -	\$ -	\$ (1,694,533)
Central Plant Boiler Replacement	\$ 161,847	\$ 161,847	\$ -	\$ -	\$ (1,856,380)
2013 IPP/FPP	\$ -	\$ -	\$ -	\$ -	\$ (1,856,380)
Self Generating Inc. Program (Fuel Cell)	\$ 3,110,000	\$ 3,110,000	\$ -	\$ 2,436,250	\$ (2,530,130)
Center for Human Perf & Kinesiology	\$ 86,500	\$ 86,500	\$ -	\$ -	\$ (2,616,630)
Multimedia & Arts Center (MAC)	\$ 114,000	\$ 114,000	\$ -	\$ -	\$ (2,730,630)
Scheduled Maintenance - FY 19/20 Allocation	\$ 37,260	\$ 37,260	\$ -	\$ 37,260	\$ (2,730,630)
Remaining Measure C Funds					\$ (2,730,630)
	\$ 92,365,333	\$ 72,421,932	\$ 19,442,068	\$ 3,391,302	
5 YEAR CCP					
Center for Human Perf & Kinesiology	\$ 26,556,000	\$ 13,261,000	\$ 13,295,000		
Multimedia & Arts Center (MAC)	\$ 69,457,000	\$ 1,498,000	\$ 67,959,000		
Secondary Effects of MAC	\$ 200,000	\$ 200,000	\$ -		

Measure C Summary

Original Measure C Allocation	\$ 66,300,000
Additional Measure C Allocation	\$ 3,391,302
Total Measure C Allocation	<u>\$ 69,691,302</u>

Riverside Community College District  
Measure C - Capital Program Executive Summary Report  
As of October 31, 2019

RIVERSIDE CITY COLLEGE					
Description	Total Project Budget	Measure C Budget	Non-Measure C Budget	Additional Measure C Budget	Measure C Allocation
Redistribution of College Specific Donations/Rebates Included in Original Allocation				\$ 3,293,229	\$ 176,393,229
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018				\$ 2,152,531	\$ 178,545,760
APPROVED PROJECTS					
Certificates of Participation (93 & 01 Refunding)	\$ 6,583,329	\$ 6,583,329	\$ -	\$ -	\$ 171,962,431
CO Bond Issuance Related Expenditures	\$ 2,563,592	\$ 2,563,592	\$ -	\$ -	\$ 169,398,839
Bridge Space	\$ 1,175,132	\$ 1,175,132	\$ -	\$ -	\$ 168,223,707
District Phone and Voicemail Upgrades	\$ 183,925	\$ 183,925	\$ -	\$ -	\$ 168,039,782
MLK Renovation	\$ 8,010,091	\$ 1,010,614	\$ 6,999,477	\$ -	\$ 167,029,168
Swing Space (Lovekin)	\$ 4,273,734	\$ 4,273,734	\$ -	\$ -	\$ 162,755,434
Wheelock Field (Phase I)	\$ 4,516,435	\$ 4,516,435	\$ -	\$ -	\$ 158,238,999
Parking Structure (Phase II)	\$ 20,940,662	\$ 20,940,662	\$ -	\$ -	\$ 137,298,337
Emergency Phones	\$ 178,626	\$ 178,626	\$ -	\$ -	\$ 137,119,711
PBX Building	\$ 428,119	\$ 428,119	\$ -	\$ -	\$ 136,691,592
Long Range Plans	\$ 786,422	\$ 786,422	\$ -	\$ -	\$ 135,905,170
Logic Domain/PM system	\$ 139,326	\$ 139,326	\$ -	\$ -	\$ 135,765,844
Infrastructure (IT Upgrade)	\$ 255,287	\$ 255,287	\$ -	\$ -	\$ 135,510,557
Utility Retrofit (NORESCO)	\$ 3,205,284	\$ 3,205,284	\$ -	\$ -	\$ 132,305,273
Stokoe ILC (Phases I & II)	\$ 9,844,137	\$ 7,399,505	\$ 2,444,632	\$ -	\$ 124,905,768
Modular Redistribution	\$ 2,376,458	\$ 2,376,458	\$ -	\$ -	\$ 122,529,310
Scheduled Maintenance Match (Past)	\$ 2,387,444	\$ 870,873	\$ 1,516,571	\$ -	\$ 121,658,437
Quad Modernization	\$ 21,725,807	\$ 9,171,807	\$ 12,554,000	\$ -	\$ 112,486,630
Bradshaw Bldg Electrical (Emergency)	\$ 366,353	\$ 366,353	\$ -	\$ -	\$ 112,120,277
District Computer Network System Upgrades	\$ 528,081	\$ 528,081	\$ -	\$ -	\$ 111,592,196
Wheelock Gym, Seismic Retrofit	\$ 190,631	\$ 190,631	\$ -	\$ -	\$ 111,401,565
Food Services Remodel & Interim Facilities	\$ 1,015,705	\$ 987,705	\$ -	\$ -	\$ 110,413,860
Nursing, Science & Math Complex	\$ 63,712,000	\$ 16,347,203	\$ 45,439,400	\$ 467,028	\$ 94,533,685
Riverside Aquatics Complex	\$ 11,028,683	\$ 10,874,233	\$ -	\$ -	\$ 83,659,452
Wheelock Gym, Seismic Retrofit-Phase II	\$ 22,564,995	\$ 12,918,309	\$ 9,165,000	\$ 72,966	\$ 70,814,109
Coil School for the Arts	\$ 43,088,000	\$ 25,736,077	\$ 16,812,858	\$ 8,100,000	\$ 53,178,032
Culinary Arts Academy & District Offices	\$ 17,326,888	\$ 16,989,009	\$ 812,379	\$ 5,616,762	\$ 41,805,785
Quad Basement Remodel	\$ 467,000	\$ 352,941	\$ -	\$ -	\$ 41,452,844
Black Box Theatre Remodel (Plans only)	\$ 10,955	\$ 10,955	\$ -	\$ -	\$ 41,441,889
Remodel of Tech A (Plans only)	\$ 11,375	\$ 11,375	\$ -	\$ -	\$ 41,430,514
Feasibility/Plng/Mngt/Staffing	\$ 4,960,871	\$ 4,960,871	\$ -	\$ -	\$ 36,469,643
Interim Parking (Lot 33)	\$ 177,023	\$ 177,023	\$ -	\$ -	\$ 36,292,620
Scheduled Maintenance (2010+ \$640K/yr x 5 yr)	\$ 1,507,220	\$ 1,507,220	\$ 168,690	\$ -	\$ 34,785,400
Parking Structure Fall Deterrent	\$ 7,576	\$ 7,576	\$ -	\$ -	\$ 34,777,824
Master Plan Updates	\$ 977,000	\$ 977,000	\$ -	\$ -	\$ 33,800,824
Student Services Building-Phase I	\$ 24,375,000	\$ 20,751,844	\$ -	\$ -	\$ 13,048,980
Student Services Building-Phase II	\$ 1,550,000	\$ 1,550,000	\$ -	\$ -	\$ 11,498,980
Electronic Contract Document Storage	\$ 26,350	\$ -	\$ -	\$ -	\$ 11,498,980
2013 IPP/FPP	\$ -	\$ -	\$ -	\$ -	\$ 11,498,980
Food Srvc / Café Grab n Go	\$ 1,600,000	\$ 81,372	\$ -	\$ -	\$ 11,417,608
Lovekin Parking/Tennis-Portable Relocation	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	\$ 9,417,608
Lovekin Parking/Tennis-Tennis Courts	\$ 2,250,000	\$ 2,250,000	\$ -	\$ -	\$ 7,167,608
Lovekin Parking/Tennis-Parking Structure	\$ 225,000	\$ 101,724	\$ -	\$ -	\$ 7,065,884
Athletic Office Remodel(Wheelock)	\$ 147,706	\$ 95,942	\$ -	\$ -	\$ 6,969,942
Cellular Repeater Booster System	\$ 25,000	\$ 18,879	\$ -	\$ -	\$ 6,951,063
Life Science / Physical Science Remodel	\$ 208,000	\$ 208,000	\$ -	\$ -	\$ 6,743,063
Cosmetology Building	\$ 142,500	\$ 142,500	\$ -	\$ -	\$ 6,600,563
Greenhouse Project	\$ 500,000	\$ 500,000	\$ -	\$ -	\$ 6,100,563
Scheduled Maintenance - FY 19/20 Allocation	\$ 86,777	\$ 86,777	\$ -	\$ 86,777	\$ 6,100,563
Remaining Measure C Funds					\$ 6,100,563
	\$ 290,650,499	\$ 186,788,730	\$ 95,913,007	\$ 19,789,293	
5 YEAR CCP					
Life Science / Physical Science Remodel	\$ 28,658,000	\$ 6,883,000	\$ 21,775,000		
MLK Renovation	\$ 19,029,000	\$ 1,896,000	\$ 17,133,000		
Cosmetology Building	\$ 23,411,000	\$ 1,896,000	\$ 21,515,000		

Measure C Summary

Original Measure C Allocation	\$ 173,100,000
Additional Measure C Allocation	\$ 19,789,293
Total Measure C Allocation	<u>\$ 192,889,293</u>

Riverside Community College District  
 Measure C - Capital Program Executive Summary Report  
 As of October 31, 2019

RCCD DISTRICT PROJECTS					
Description	Total Project Budget	Measure C Budget	Non-Measure C Budget	Additional Measure C Budget	Measure C Allocation
					\$ 19,200,000
Redistribution of College Specific Donations/Rebates Included in Original Allocation				\$ (326,040)	\$ 18,873,960
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018				\$ 139,690	\$ 19,013,650
Transfer to MVC for the Ben Clark Training Center Building, Phase I Project				\$ (2,000,000)	\$ 17,013,650
Transfer to MVC for the Elevator Modernization & Fire Alarm System Repair/Upgrade Project				\$ (651,789)	\$ 16,361,861
Transfer to MVC, NC, and RCC for Scheduled Maint.				\$ (161,297)	\$ 16,200,564
APPROVED PROJECTS					
Certificates of Participation (93 & 01 Refunding)	\$ 737,033	\$ 737,033	\$ -	\$ -	\$ 15,463,531
CO Bond Issuance Related Expenditures	\$ 287,005	\$ 287,005	\$ -	\$ -	\$ 15,176,526
District Phone and Voicemail Upgrades	\$ 20,589	\$ 20,589	\$ -	\$ -	\$ 15,155,937
RCCD Systems Office (Market St)	\$ 2,629,981	\$ 2,629,981	\$ -	\$ -	\$ 12,525,956
Emergency Phones	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ 12,515,956
Logic Domain/PM System	\$ 15,598	\$ 15,598	\$ -	\$ -	\$ 12,500,358
Infrastructure (IT Upgrade)	\$ 28,580	\$ 28,580	\$ -	\$ -	\$ 12,471,778
District Computer/Network Sys Upgr	\$ 59,121	\$ 59,121	\$ -	\$ -	\$ 12,412,657
Culinary Art Academy & Dist Offc	\$ 18,384,389	\$ 16,607,009	\$ 812,379	\$ 5,616,760	\$ 1,422,408
Swing Space - Market Street Properties	\$ 866,500	\$ 737,303	\$ -	\$ -	\$ 685,105
Feasibility/Plng/Mngt/Staffing	\$ 555,392	\$ 555,392	\$ -	\$ -	\$ 129,713
Scheduled Maint. New Allocation - District Wide	\$ 168,740	\$ 7,443	\$ -	\$ -	\$ 122,270
DSA Close-Out	\$ 75,000	\$ 7,290	\$ -	\$ 7,290	\$ 122,270
Alumni Carriage House Restroration	\$ 150,000	\$ 122,270	\$ -	\$ -	\$ -
Electronic Contract Document Storage	\$ 5,900	\$ -	\$ -	\$ -	\$ -
2013 IPP/FPP	\$ -	\$ -	\$ -	\$ -	\$ -
Remaining Measure C Funds					\$ -
	\$ 23,993,828	\$ 21,824,614	\$ 812,379	\$ 2,624,614	

Measure C Summary

Original Measure C Allocation	\$ 19,200,000
Additional Measure C Allocation	\$ 2,624,614
Total Measure C Allocation	<u>\$ 21,824,614</u>

Riverside Community College District  
Measure C - Capital Program Executive Summary Report  
As of October 31, 2019

CENTRALLY CONTROLLED FUNDS					
Description	Total Project Budget	Measure C Budget	Non-Measure C Budget	Additional Measure C Budget	Measure C Allocation
					\$ 53,300,000
<b>Approved Projects \$19.3M</b>					
ADA Compliance -Phase I	\$ 6,360,000	\$ 6,046,162	\$ 42,793	\$ -	\$ 13,253,838
IT Audit Implementation	\$ 6,000,000	\$ 6,000,000	\$ -	\$ -	\$ 7,253,838
Utility Infrastructure	\$ 6,700,000	\$ 6,232,049	\$ -	\$ (373,349)	\$ 648,440
District Standards	\$ 355,000	\$ 345,032	\$ -	\$ 345,032	\$ 648,440
<b>Approved Projects</b>					
					\$ 648,440
<b>Program Reserve \$24M</b>					
Redistribution of College Specific Donations/Rebates Included in Original Allocation	\$ -	\$ -	\$ -	\$ (642,104)	\$ 23,357,896
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018	\$ -	\$ -	\$ -	\$ 275,340	\$ 23,633,236
CSA	\$ -	\$ -	\$ -	\$ (8,100,000)	\$ 15,533,236
CAA/DO	\$ -	\$ -	\$ -	\$ (10,306,765)	\$ 5,226,471
DSA Close out	\$ -	\$ -	\$ -	\$ (7,290)	\$ 5,219,181
Nursing Portables - MVC	\$ -	\$ -	\$ -	\$ (705,338)	\$ 4,513,843
Physican Asst Lab - MVC	\$ -	\$ -	\$ -	\$ (49,191)	\$ 4,464,652
Emergency Phone Repairs - MVC	\$ -	\$ -	\$ -	\$ (341,582)	\$ 4,123,070
Aquatics Center - RCC ( Reserve - Donation Cover)	\$ -	\$ -	\$ -	\$ -	\$ 4,123,070
CSA - RCC (Reserve - LaSierra Capital Repayment)	\$ -	\$ -	\$ -	\$ -	\$ 4,123,070
TITLE III-STEM - NC (Reserve - Grant Repayment)	\$ -	\$ -	\$ -	\$ -	\$ 4,123,070
MVC Student Services Bldg. Reno (Welcome Center)	\$ -	\$ -	\$ -	\$ (2,500,000)	\$ 1,623,070
MVC Elevator Modernization & Fire Alarm System Upgrade	\$ -	\$ -	\$ -	\$ (174,105)	\$ 1,448,965
<b>Program Reserve</b>					
					\$ 1,448,965
<b>Program Contingency-\$10M</b>					
Redistribution of College Specific Donations/Rebates Included in Original Allocation	\$ -	\$ -	\$ -	\$ (262,268)	\$ 9,737,732
Distribution of Interest, Donations/Rebates Income from original allocation through June 30, 2018	\$ -	\$ -	\$ -	\$ 112,462	\$ 9,850,194
ADA Complainece - Phase I	\$ -	\$ -	\$ -	\$ -	\$ 9,850,194
CAA/DO	\$ -	\$ -	\$ -	\$ (926,757)	\$ 8,923,437
March Dental Education - MVC	\$ -	\$ -	\$ -	\$ -	\$ 8,923,437
Master Plan Update - MVC	\$ -	\$ -	\$ -	\$ (186,000)	\$ 8,737,437
Nursing, Science Math - RCC	\$ -	\$ -	\$ -	\$ (467,028)	\$ 8,270,409
Wheelock Gym - RCC	\$ -	\$ -	\$ -	\$ (72,966)	\$ 8,197,443
Norco Allocation - NC	\$ -	\$ -	\$ -	\$ (500,000)	\$ 7,697,443
Secondary Effect - NC	\$ -	\$ -	\$ -	\$ (35,288)	\$ 7,662,155
Groundwater Wells - NC	\$ -	\$ -	\$ -	\$ (211,149)	\$ 7,451,006
Alumni Carriage House Restoration - RCCD	\$ -	\$ -	\$ -	\$ -	\$ 7,451,006
District Standards	\$ -	\$ -	\$ -	\$ (345,032)	\$ 7,105,974
Self-Generating Inc Program (Fuel Cell)	\$ -	\$ -	\$ -	\$ (2,200,000)	\$ 4,905,974
Self-Generating Inc Program - Incentives/Rebates	\$ -	\$ -	\$ -	\$ (236,250)	\$ 4,669,724
MVC Student Services Bldg. Reno (Welcome Center)	\$ -	\$ -	\$ -	\$ (2,500,000)	\$ 2,169,724
MVC Elevator Modernization & Fire Alarm System Upgrade	\$ -	\$ -	\$ -	\$ (174,106)	\$ 1,995,618
<b>Program Contingency</b>					
					\$ 1,995,618
<b>Remaining Measure C Funds</b>					
					\$ 4,093,023

Measure C Summary

Original Measure C Allocation	\$53,300,000
Additional Measure C Allocation	-\$30,583,734
Total Measure C Allocation	<u>\$22,716,266</u>

## Board of Trustees Regular Meeting (VII.B)

Meeting	November 19, 2019
Agenda Item	Consent Agenda Information (VII.B)
Subject	Monthly Financial Report for Month Ending – October 31, 2019
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

See the attached monthly Financial Report for the period July 1, 2019 through October 31, 2019.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Bill J. Bogle, Jr., Interim Controller

**MONTHLY FINANCIAL REPORT**  
**JULY 1, 2019 – OCTOBER 31, 2019**

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**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Fund 11, Resource 1000 is the primary operating fund of the District. It is used to account for those transactions that, in general, cover the full scope of operations of the entire District. All transactions, expenditures and revenue are accounted for in the general operating resource unless there is a compelling reason to report them elsewhere. Revenues received by the District from state apportionments, county or local taxes are deposited in this resource.

**Fund 11, Resource 1000 - General Operating - Unrestricted**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 214,088,597	\$ 218,270,499	\$ 218,270,499	\$ 54,102,425
Inter/Intrafund Transfer from:				
District Bookstore (Resource 1110)	720,673	1,218,176	1,218,176	0
Total Revenues	<u>\$ 214,809,270</u>	<u>\$ 219,488,675</u>	<u>\$ 219,488,675</u>	<u>\$ 54,102,425</u>
Expenditures				
Academic Salaries	\$ 90,463,470	\$ 94,342,876	\$ 94,350,888	\$ 29,372,333
Classified Salaries	36,836,142	41,870,232	41,915,073	13,305,529
Employee Benefits	55,230,882	61,542,496	61,561,520	11,378,275
Materials & Supplies	1,995,106	3,835,040	3,736,816	585,977
Services	17,239,613	45,349,475	44,619,530	5,741,069
Capital Outlay	2,033,846	5,858,401	6,614,693	970,227
Student Aid	195,044	52,910	52,910	0
Interfund Transfers for:				
State Cnst & Schl'd Maint (Resource 4100)	68,906	105,055	105,055	0
Intrafund Transfers for:				
DSP&S Program (Resource 1190)	1,278,253	1,147,157	1,147,157	0
Parking (Resource 1050)	46,736	46,700	46,700	0
CSJCL (Resource 1120)	82,463	215,000	215,000	0
College Promise Pgrm (Resource 1190)	522,915	3,465,187	3,465,187	0
Federal Work Study (Resource 1190)	401,243	420,818	420,818	0
Veteran Services (Resource 1190)	4,842	4,842	4,842	0
Total Expenditures	<u>\$ 206,399,462</u>	<u>\$ 258,256,189</u>	<u>\$ 258,256,189</u>	<u>\$ 61,353,410</u>
Revenues Over (Under) Expenditures	\$ 8,409,808	\$ (38,767,514)	\$ (38,767,514)	\$ (7,250,985)
Beginning Fund Balance	<u>45,299,449</u>	<u>53,709,257</u>	<u>53,709,257</u>	<u>53,709,257</u>
Ending Fund Balance	<u>\$ 53,709,257</u>	<u>\$ 14,941,743</u>	<u>\$ 14,941,743</u>	<u>\$ 46,458,272</u>
Ending Cash Balance				<u>\$ 52,271,355</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Parking was created to capture the financial activities of the parking operations at each campus. The primary revenue source is parking permit fees. Parking also receives revenue from parking meters and parking citations. Expenditures are for operational costs that are split between Parking and College Safety and Police, and 100% of capital outlay costs that directly benefit parking operations.

**Fund 12, Resource 1050 - Parking**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 3,429,899	\$ 3,520,698	\$ 3,520,698	\$ 1,148,610
Intrafund Transfer from:				
Parking (Resource 1000)	46,736	46,700	46,700	0
Total Revenue	<u>\$ 3,476,635</u>	<u>\$ 3,567,398</u>	<u>\$ 3,567,398</u>	<u>\$ 1,148,610</u>
Expenditures				
Classified Salaries	\$ 1,723,565	\$ 1,902,305	\$ 1,902,305	\$ 615,490
Employee Benefits	696,884	812,959	812,959	188,408
Materials & Supplies	40,041	42,230	43,597	4,323
Services	937,531	918,246	925,546	144,976
Capital Outlay	<u>104,751</u>	<u>251,519</u>	<u>242,852</u>	<u>44,257</u>
Total Expenditures	<u>\$ 3,502,773</u>	<u>\$ 3,927,259</u>	<u>\$ 3,927,259</u>	<u>\$ 997,454</u>
Revenues Over (Under) Expenditures	\$ (26,137)	\$ (359,861)	\$ (359,861)	\$ 151,156
Beginning Fund Balance	<u>(463,139)</u>	<u>(489,276)</u>	<u>(489,276)</u>	<u>(489,276)</u>
Ending Fund Balance	<u>\$ (489,276)</u>	<u>\$ (849,137)</u>	<u>\$ (849,137)</u>	<u>\$ (338,120)</u>
Ending Cash Balance				<u>\$ (357,165)</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Student Health Services was established to account for the financial activities of the student health programs at each of the District's three colleges.

**Fund 12, Resource 1070 - Student Health Services**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 1,932,155	\$ 1,856,900	\$ 1,856,900	\$ 447,482
Expenditures				
Academic Salaries	\$ 498,290	\$ 569,119	\$ 569,119	\$ 186,797
Classified Salaries	612,402	906,037	906,037	195,123
Employee Benefits	434,108	535,031	535,031	104,147
Materials & Supplies	93,927	144,953	144,953	13,072
Services	237,723	386,874	386,874	71,115
Capital Outlay	9,985	30,352	30,352	7,063
Total Expenditures	<u>\$ 1,886,435</u>	<u>\$ 2,572,366</u>	<u>\$ 2,572,366</u>	<u>\$ 577,317</u>
Revenues Over (Under) Expenditures	\$ 45,720	\$ (715,466)	\$ (715,466)	\$ (129,836)
Beginning Fund Balance	<u>2,228,661</u>	<u>2,274,381</u>	<u>2,274,381</u>	<u>2,274,381</u>
Ending Fund Balance	<u>\$ 2,274,381</u>	<u>\$ 1,558,915</u>	<u>\$ 1,558,915</u>	<u>\$ 2,144,545</u>
Ending Cash Balance				<u>\$ 1,954,266</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Community Education was established to account for the financial activities of the Community Education Program which serves the community at large by providing not-for-credit classes for personal growth and enrichment.

**Fund 11, Resource 1080 - Community Education**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 80,088	\$ 70,000	\$ 70,000	\$ 9,597
Expenditures				
Academic Salaries	\$ 0	\$ 0	\$ 0	\$ 0
Classified Salaries	69,743	71,368	71,368	30,273
Employee Benefits	17,079	19,363	19,363	2,342
Materials & Supplies	27	1,000	1,000	0
Services	1,150	6,292	6,292	737
Total Expenditures	<u>\$ 87,999</u>	<u>\$ 98,023</u>	<u>\$ 98,023</u>	<u>\$ 33,351</u>
Revenues Over (Under) Expenditures	\$ (7,912)	\$ (28,023)	\$ (28,023)	\$ (23,754)
Beginning Fund Balance	<u>(305,898)</u>	<u>(313,809)</u>	<u>(313,809)</u>	<u>(313,809)</u>
Ending Fund Balance	<u><u>\$ (313,809)</u></u>	<u><u>\$ (341,832)</u></u>	<u><u>\$ (341,832)</u></u>	<u><u>\$ (337,563)</u></u>
Ending Cash Balance				<u><u>\$ (332,422)</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Performance Riverside is used to record the revenues and expenditures associated with Performance Riverside activities.

**Fund 11, Resource 1090 - Performance Riverside**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 268,990	\$ 203,000	\$ 203,000	\$ 25,018
Intrafund Transfer from:				
Contractor-Operated				
Bookstore (Resource 1110)	<u>275,000</u>	<u>275,000</u>	<u>275,000</u>	<u>0</u>
Total Revenues	<u>\$ 543,990</u>	<u>\$ 478,000</u>	<u>\$ 478,000</u>	<u>\$ 25,018</u>
Expenditures				
Academic Salaries	\$ 0	\$ 0	\$ 0	\$ 0
Classified Salaries	113,671	128,285	128,285	46,433
Employee Benefits	61,789	63,376	63,376	14,341
Materials & Supplies	4,887	6,500	6,500	0
Services	<u>303,519</u>	<u>229,491</u>	<u>229,491</u>	<u>163,618</u>
Total Expenditures	<u>\$ 483,865</u>	<u>\$ 427,652</u>	<u>\$ 427,652</u>	<u>\$ 224,393</u>
Revenues Over (Under) Expenditures	\$ 60,125	\$ 50,348	\$ 50,348	\$ (199,375)
Beginning Fund Balance	<u>(500,337)</u>	<u>(440,212)</u>	<u>(440,212)</u>	<u>(440,212)</u>
Ending Fund Balance	<u>\$ (440,212)</u>	<u>\$ (389,864)</u>	<u>\$ (389,864)</u>	<u>\$ (639,587)</u>
Ending Cash Balance				<u>\$ (626,200)</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Contractor-Operated Bookstore is used to record the revenues and expenditures associated with the District's contract with Follett Higher Education Group, Inc. to manage the District's Bookstore operations.

**Fund 11, Resource 1110 - Contractor-Operated Bookstore**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 1,124,882	\$ 1,116,300	\$ 1,116,300	\$ 67,640
Expenditures				
Services	\$ 43,600	\$ 43,600	\$ 43,600	\$ 0
Interfund Transfer to:				
Food Services (Resource 3200)	105,045	95,000	95,000	0
Riverside - Early Childhood Services (Resource 3300)	75,000	75,000	75,000	0
Intrafund Transfer to:				
Performance Riverside (Resource 1090)	275,000	275,000	275,000	0
General Operating (Resource 1000)	720,673	1,218,176	1,218,176	0
Total Expenditures	<u>\$ 1,219,318</u>	<u>\$ 1,706,776</u>	<u>\$ 1,706,776</u>	<u>\$ 0</u>
Revenues Over (Under) Expenditures	\$ (94,436)	\$ (590,476)	\$ (590,476)	\$ 67,640
Beginning Fund Balance	<u>693,488</u>	<u>599,052</u>	<u>599,052</u>	<u>599,052</u>
Ending Fund Balance	<u>\$ 599,052</u>	<u>\$ 8,576</u>	<u>\$ 8,576</u>	<u>\$ 666,692</u>
Ending Cash Balance				<u><u>\$ 666,692</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
MONTHLY FINANCIAL REPORT  
FOR THE PERIOD ENDED OCTOBER 31, 2019**

Center for Social Justice and Civil Liberties is used to record the revenues and expenditures associated with operating the museum, archive, and educational center.

**Fund 12, Resource 1120 - Center for Social Justice and Civil Liberties**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 26,495	\$ 26,500	\$ 26,500	\$ 25,085
Intrafund Transfer from:				
General Operating (Resource 1000)	<u>82,463</u>	<u>215,000</u>	<u>215,000</u>	<u>0</u>
Total Revenues	<u>\$ 108,958</u>	<u>\$ 241,500</u>	<u>\$ 241,500</u>	<u>\$ 25,085</u>
Expenditures				
Academic Salaries	\$ 14,272	\$ 0	\$ 0	\$ 14,569
Classified Salaries	36,336	105,144	105,144	0
Employee Benefits	12,492	66,846	66,846	481
Materials & Supplies	246	340	340	0
Services	45,510	54,050	54,050	6,731
Capital Outlay	<u>0</u>	<u>5,120</u>	<u>5,120</u>	<u>0</u>
Total Expenditures	<u>\$ 108,855</u>	<u>\$ 231,500</u>	<u>\$ 231,500</u>	<u>\$ 21,781</u>
Revenues Over (Under) Expenditures	\$ 103	\$ 10,000	\$ 10,000	\$ 3,304
Beginning Fund Balance	<u>2,397</u>	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>
Ending Fund Balance	<u>\$ 2,500</u>	<u>\$ 12,500</u>	<u>\$ 12,500</u>	<u>\$ 5,804</u>
Ending Cash Balance				<u>\$ 5,864</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Customized Solutions is used to record the revenues and expenditures associated with customized training programs offered to local businesses and their employees.

**Fund 11, Resource 1170 - Customized Solutions**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 231,336	\$ 567,609	\$ 567,609	\$ (14,114)
Expenditures				
Classified Salaries	\$ 181,213	\$ 190,190	\$ 190,190	\$ 75,448
Employee Benefits	96,542	101,865	101,865	24,944
Materials & Supplies	3,647	29,390	29,390	519
Services	157,682	389,995	389,995	40,823
Capital Outlay	1,145	0	0	0
Total Expenditures	<u>\$ 440,229</u>	<u>\$ 711,440</u>	<u>\$ 711,440</u>	<u>\$ 141,734</u>
Revenues Over (Under) Expenditures	\$ (208,894)	\$ (143,831)	\$ (143,831)	\$ (155,849)
Beginning Fund Balance	<u>(155,919)</u>	<u>(364,813)</u>	<u>(364,813)</u>	<u>(364,813)</u>
Ending Fund Balance	<u><u>\$ (364,813)</u></u>	<u><u>\$ (508,644)</u></u>	<u><u>\$ (508,644)</u></u>	<u><u>\$ (520,661)</u></u>
Ending Cash Balance				<u><u>\$ (607,773)</u></u>



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Redevelopment Pass-Through receives a portion of tax increment revenues from various redevelopment projects within the boundaries of the District. Currently, expenditures are restricted to capital projects located in the redevelopment project areas generating the tax increment revenues.

**Fund 12, Resource 1180 - Redevelopment Pass-Through**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 2,974,956	\$ 3,033,000	\$ 3,033,000	\$ 0
Expenditures				
Materials & Supplies	\$ 2,698	\$ 0	\$ 0	\$ 0
Services	1,401,999	390,119	1,006,094	171,927
Capital Outlay	<u>915,028</u>	<u>9,320,884</u>	<u>8,704,909</u>	<u>435,478</u>
Total Expenditures	<u>\$ 2,319,726</u>	<u>\$ 9,711,003</u>	<u>\$ 9,711,003</u>	<u>\$ 607,404</u>
Revenues Over (Under) Expenditures	\$ 655,230	\$ (6,678,003)	\$ (6,678,003)	\$ (607,404)
Beginning Fund Balance	<u>7,303,515</u>	<u>7,958,745</u>	<u>7,958,745</u>	<u>7,958,745</u>
Ending Fund Balance	<u>\$ 7,958,745</u>	<u>\$ 1,280,742</u>	<u>\$ 1,280,742</u>	<u>\$ 7,351,341</u>
Ending Cash Balance				<u>\$ 7,354,396</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Grants and Categorical Programs is used to account for financial activity for each of the District's grant and categorical programs.

**Fund 12, Resource 1190 - Grants and Categorical Programs**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 63,508,441	\$ 125,392,300	\$ 127,097,647	\$ 76,511,920
Intrafund Transfers from:				
General Operating (Resource 1000)				
For College Promise Program	522,915	3,465,187	3,465,187	0
For DSP&S	1,278,253	1,147,157	1,147,157	0
For Federal Work Study	401,243	420,818	420,818	0
For Veteran Services	4,842	4,842	4,842	0
Total Revenues	<u>\$ 65,715,694</u>	<u>\$ 130,430,304</u>	<u>\$ 132,135,651</u>	<u>\$ 76,511,920</u>
Expenditures				
Academic Salaries	\$ 8,571,785	\$ 9,794,670	\$ 9,879,918	\$ 2,888,791
Classified Salaries	16,206,463	18,542,947	18,917,512	5,205,630
Employee Benefits	10,014,232	12,232,642	12,616,275	2,294,776
Materials & Supplies	3,172,573	11,701,333	11,697,101	519,669
Services	16,952,348	58,125,010	58,235,066	15,364,574
Capital Outlay	7,498,716	13,644,400	14,329,253	1,467,319
Student Grants (Financial, Book, Meal, Transportation)	3,299,577	6,389,302	6,460,526	541,562
Total Expenditures	<u>\$ 65,715,694</u>	<u>\$ 130,430,304</u>	<u>\$ 132,135,651</u>	<u>\$ 28,282,320</u>
Revenues Over (Under) Expenditures	\$ 0	\$ 0	\$ 0	\$ 48,229,600
Beginning Fund Balance	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Ending Fund Balance	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 0</u>	<u>\$ 48,229,600</u>
Ending Cash Balance				<u>\$ 40,789,352</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Food Services is used to account for the financial activities for all food service operations in District facilities, except for the Culinary Academy. It is intended to be self-sustaining.

**Fund 32, Resource 3200 - Food Services**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 3,178,113	\$ 3,388,300	\$ 3,388,300	\$ 750,524
Interfund Transfers from:				
Contractor-Operated				
Bookstore (Resource 1110)	<u>105,045</u>	<u>95,000</u>	<u>95,000</u>	<u>0</u>
Total Revenues	<u>\$ 3,283,158</u>	<u>\$ 3,483,300</u>	<u>\$ 3,483,300</u>	<u>\$ 750,524</u>
Expenditures				
Classified Salaries	\$ 1,137,687	\$ 1,271,662	\$ 1,271,662	\$ 342,609
Employee Benefits	433,803	489,454	489,454	95,618
Materials & Supplies	1,375,376	1,417,605	1,410,605	473,125
Services	256,243	260,674	267,674	42,158
Capital Outlay	<u>59,612</u>	<u>77,780</u>	<u>77,780</u>	<u>13,894</u>
Total Expenditures	<u>\$ 3,262,722</u>	<u>\$ 3,517,175</u>	<u>\$ 3,517,175</u>	<u>\$ 967,405</u>
Revenues Over (Under) Expenditures	\$ 20,437	\$ (33,875)	\$ (33,875)	\$ (216,880)
Beginning Fund Balance	<u>1,287,376</u>	<u>1,307,813</u>	<u>1,307,813</u>	<u>1,307,813</u>
Ending Fund Balance	<u>\$ 1,307,813</u>	<u>\$ 1,273,938</u>	<u>\$ 1,273,938</u>	<u>\$ 1,090,933</u>
Ending Cash Balance				<u>\$ 1,075,590</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Child Care was established to manage the finances of the District's child care centers at the colleges.

**Fund 33, Resource 3300 - Child Care**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenue	\$ 1,471,659	\$ 1,513,419	\$ 1,513,419	\$ 457,520
Interfund Transfers from:				
Contractor-Operated				
Bookstore (Resource 1110)	<u>75,000</u>	<u>75,000</u>	<u>75,000</u>	<u>0</u>
Total Revenues	<u>\$ 1,546,659</u>	<u>\$ 1,588,419</u>	<u>\$ 1,588,419</u>	<u>\$ 457,520</u>
Expenditures				
Academic Salaries	\$ 752,277	\$ 854,497	\$ 854,497	\$ 282,604
Classified Salaries	488,525	522,741	522,741	164,739
Employee Benefits	260,051	339,381	339,381	71,575
Materials & Supplies	53,096	58,197	58,105	10,992
Services	76,427	87,744	87,836	15,403
Capital Outlay	<u>356</u>	<u>15,265</u>	<u>15,265</u>	<u>0</u>
Total Expenditures	<u>\$ 1,630,731</u>	<u>\$ 1,877,825</u>	<u>\$ 1,877,825</u>	<u>\$ 545,314</u>
Revenues Over (Under) Expenditures	\$ (84,073)	\$ (289,406)	\$ (289,406)	\$ (87,794)
Beginning Fund Balance	<u>\$ 1,129,579</u>	<u>1,045,506</u>	<u>1,045,506</u>	<u>\$ 1,045,506</u>
Ending Fund Balance	<u>\$ 1,045,506</u>	<u>\$ 756,100</u>	<u>\$ 756,100</u>	<u>\$ 957,712</u>
Ending Cash Balance				<u><u>\$ 967,033</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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State Construction & Scheduled Maintenance was established to account for the financial activities of State-approved construction and maintenance projects.

**Fund 41, Resource 4100 - State Construction & Scheduled Maintenance**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 3,558,205	\$ 2,239,628	\$ 2,239,628	\$ 2,272,525
Interfund Transfer from:				
General Fund (Resource 1000)	<u>68,906</u>	<u>105,055</u>	<u>105,055</u>	<u>0</u>
Total Revenues	<u>\$ 3,627,112</u>	<u>\$ 2,344,683</u>	<u>\$ 2,344,683</u>	<u>\$ 2,272,525</u>
Expenditures				
Services	\$ 1,886	\$ 0	\$ 0	\$ 0
Capital Outlay	<u>3,625,225</u>	<u>2,344,683</u>	<u>2,344,683</u>	<u>971,759</u>
Total Expenditures	<u>\$ 3,627,112</u>	<u>\$ 2,344,683</u>	<u>\$ 2,344,683</u>	<u>\$ 971,759</u>
Revenues Over (Under) Expenditures	\$ 0	\$ 0	\$ 0	\$ 1,300,765
Beginning Fund Balance	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Ending Fund Balance	<u><u>\$ 0</u></u>	<u><u>\$ 0</u></u>	<u><u>\$ 0</u></u>	<u><u>\$ 1,300,766</u></u>
Ending Cash Balance				<u><u>\$ 1,324,507</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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La Sierra Capital is used to account for the revenues and expenses associated with the District's La Sierra Property.

**Fund 41, Resource 4130 - La Sierra Capital**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 137,505	\$ 137,500	\$ 137,500	\$ 0
Expenditures				
Capital Outlay	\$ (34,141)	\$ 0	\$ 0	\$ 0
Total Expenditures	\$ (34,141)	\$ 0	\$ 0	\$ 0
Revenues Over (Under) Expenditures	\$ 171,646	\$ 137,500	\$ 137,500	\$ 0
Beginning Fund Balance	<u>1,885,451</u>	<u>2,057,098</u>	<u>2,057,098</u>	<u>2,057,098</u>
Ending Fund Balance	<u>\$ 2,057,098</u>	<u>\$ 2,194,598</u>	<u>\$ 2,194,598</u>	<u>\$ 2,057,098</u>
Ending Cash Balance				<u>\$ 2,057,098</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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General Obligation Series 2015E Capital Appreciation Bonds were established to account for General Obligation Bond proceeds and financial activities related to Board approved Measure C projects.

**Fund 43, Resource 4390 - GO Bond Series 2015E Capital Appreciation Bonds**

	Prior Year Actuals 7/1/18 to 6/30/19	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 24,054	\$ 127,000	\$ 127,000	\$ 5,052
Expenditures				
Classified Salaries	\$ 69,101	\$ 748,432	\$ 748,432	\$ 18,146
Employee Benefits	38,292	423,682	423,682	7,155
Materials & Supplies	65	0	0	0
Services	561,045	314,857	314,857	42,102
Capital Outlay	1,402,710	37,571,896	37,571,896	314,351
Total Expenditures	\$ 2,071,213	\$ 39,058,867	\$ 39,058,867	\$ 381,754
Revenues Over (Under) Expenditures	\$ (2,047,160)	\$ (38,931,867)	\$ (38,931,867)	\$ (376,702)
Beginning Fund Balance	6,529,670	4,482,510	4,482,510	4,482,510
Ending Fund Balance	\$ 4,482,510	\$ (34,449,357)	\$ (34,449,357)	\$ 4,105,809
Ending Cash Balance				\$ 4,107,993

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Self-Insured PPO Health Plan is used to account for the revenues and expenditures of the District's health self-insurance program.

**Fund 61, Resource 6100 - Self-Insured PPO Health Plan**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 10,897,381	\$ 9,591,148	\$ 9,591,148	\$ 4,087,526
Expenditures				
Classified Salaries	\$ 116,503	\$ 156,648	\$ 156,648	\$ 58,920
Employee Benefits	79,392	103,740	103,740	24,191
Services	7,932,995	10,167,346	10,167,346	3,327,759
Total Expenditures	\$ 8,128,890	\$ 10,427,734	\$ 10,427,734	\$ 3,410,870
Revenues Over (Under) Expenditures	\$ 2,768,491	\$ (836,586)	\$ (836,586)	\$ 676,656
Beginning Fund Balance	3,121,053	5,889,544	5,889,544	5,889,544
Ending Fund Balance	\$ 5,889,544	\$ 5,052,958	\$ 5,052,958	\$ 6,566,200
Ending Cash Balance				\$ 8,265,336



**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Self-Insured Workers' Compensation is used to account for the revenues and expenditures of the District's workers' compensation self-insurance program.

**Fund 61, Resource 6110 - Self-Insured Workers' Compensation**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 2,468,039	\$ 2,814,278	\$ 2,814,278	\$ 864,471
Expenditures				
Classified Salaries	\$ 411,482	\$ 492,688	\$ 492,688	\$ 138,679
Employee Benefits	194,145	243,928	243,928	45,567
Materials & Supplies	55,463	12,800	12,800	8,993
Services	2,140,103	1,887,802	1,887,802	593,026
Capital Outlay	695	19,700	19,700	0
Total Expenditures	<u>\$ 2,801,888</u>	<u>\$ 2,656,918</u>	<u>\$ 2,656,918</u>	<u>\$ 786,264</u>
Revenues Over (Under) Expenditures	\$ (333,849)	\$ 157,360	\$ 157,360	\$ 78,207
Beginning Fund Balance	<u>1,362,754</u>	<u>1,028,905</u>	<u>1,028,905</u>	<u>1,028,905</u>
Ending Fund Balance	<u><u>\$ 1,028,905</u></u>	<u><u>\$ 1,186,265</u></u>	<u><u>\$ 1,186,265</u></u>	<u><u>\$ 1,107,113</u></u>
Ending Cash Balance				<u><u>\$ 4,256,639</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Self-Insured General Liability is used to account for the revenues and expenditures of the District's general liability self-insurance program.

**Fund 61, Resource 6120 - Self-Insured General Liability**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 2,171,061	\$ 2,302,529	\$ 2,302,529	\$ 0
Expenditures				
Classified Salaries	\$ 171,801	\$ 208,030	\$ 208,030	\$ 57,437
Employee Benefits	82,089	103,899	103,899	19,084
Materials & Supplies	2,073	6,800	6,800	470
Services	1,849,102	2,321,329	2,321,329	1,227,709
Total Expenditures	<u>\$ 2,105,065</u>	<u>\$ 2,640,058</u>	<u>\$ 2,640,058</u>	<u>\$ 1,304,700</u>
Revenues Over (Under) Expenditures	\$ 65,996	\$ (337,529)	\$ (337,529)	\$ (1,304,700)
Beginning Fund Balance	<u>901,520</u>	<u>967,516</u>	<u>967,516</u>	<u>967,516</u>
Ending Fund Balance	<u><u>\$ 967,516</u></u>	<u><u>\$ 629,987</u></u>	<u><u>\$ 629,987</u></u>	<u><u>\$ (337,184)</u></u>
Ending Cash Balance				<u><u>\$ 205,794</u></u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Internal Services Fund - OPEB Liability is used to account for the funds accumulated to address future retiree health benefits that are transferred to an irrevocable trust established with CalPERS - California Employees' Retiree Benefit Trust (CERBT).

**Fund 69, Resource 6900 - Internal Services Fund - OPEB Liability**

	Prior Year Actuals 7/1/18 to 6/30/19	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 491,702	\$ 517,289	\$ 517,289	\$ 168,212
Expenditures				
Services	\$ 2,321	\$ 2,400	\$ 2,400	\$ 807
Total Expenditures	\$ 2,321	\$ 2,400	\$ 2,400	\$ 807
Revenues Over (Under) Expenditures	\$ 489,382	\$ 514,889	\$ 514,889	\$ 167,405
Beginning Fund Balance	1,243,646	1,733,028	1,733,028	1,733,028
Ending Fund Balance	<u>\$ 1,733,028</u>	<u>\$ 2,247,917</u>	<u>\$ 2,247,917</u>	<u>\$ 1,900,433</u>
Ending Cash Balance				<u>\$ 1,900,433</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Associated Students of RCCD is used to record the financial transactions of the student government, college clubs, and organizations of the District. Revenue includes student activity fees, interest income, payphone commissions and athletic ticket sales.

**Associated Students of RCCD**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 897,927	\$ 1,534,901	\$ 1,534,901	\$ 252,655
Expenditures				
Materials & Supplies	\$ 1,075,656	\$ 1,257,379	\$ 1,257,379	\$ 349,978
Total Expenditures	\$ 1,075,656	\$ 1,257,379	\$ 1,257,379	\$ 349,978
Revenues Over (Under) Expenditures	\$ (177,730)	\$ 277,522	\$ 277,522	\$ (97,323)
Beginning Fund Balance	<u>1,188,831</u>	<u>1,011,101</u>	<u>1,011,101</u>	<u>1,011,101</u>
Ending Fund Balance	<u>\$ 1,011,101</u>	<u>\$ 1,288,623</u>	<u>\$ 1,288,623</u>	<u>\$ 913,778</u>
ASRCCD Trust Fund Ending Balance				<u>\$ 1,350,473</u>
Ending Cash Balance				<u>\$ 2,209,331</u>

\*\* Note: Ending Cash Balance includes both ASRCCD Funds and Trust Funds for College and Students Organizations

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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Student Financial Aid is used to record financial transactions for scholarships given to students from the Federal Pell and FSEOG Grant Programs, the State's Cal B, Cal C, and Student Success Completion Grant Programs, as well as those from the RCCD Foundation and other local agencies.

	<b><u>Student Financial Aid</u></b>			
	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 63,387,758	\$ 94,775,000	\$ 94,775,000	\$ 24,566,189
Expenditures				
Scholarships and Grant Reimbursements	\$ 63,747,481	\$ 94,908,695	\$ 94,908,695	\$ 20,296,404
Total Expenditures	\$ 63,747,481	\$ 94,908,695	\$ 94,908,695	\$ 20,296,404
Revenues Over (Under) Expenditures	\$ (359,724)	\$ (133,695)	\$ (133,695)	\$ 4,269,785
Beginning Fund Balance	<u>580,296</u>	<u>220,573</u>	<u>220,573</u>	<u>220,573</u>
Ending Fund Balance	<u>\$ 220,573</u>	<u>\$ 86,878</u>	<u>\$ 86,878</u>	<u>\$ 4,490,358</u>
Ending Cash Balance				<u>\$ 5,194,993</u>

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
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RCCD Development Corporation is used to account for financial transactions related to the Development Corporation. This Corporation currently has very little activity but remains operational should the District need to use it for future transactions related to property development. Revenues consist of interest income. Expenses are for tax filing fees paid to the State.

**RCCD Development Corporation**

	Prior Year Actuals <u>7/1/18 to 6/30/19</u>	Adopted Budget	Revised Budget	Year to Date Activity
Revenues	\$ 7	\$ 7	\$ 7	\$ 3
Expenditures				
Services	\$ 20	\$ 0	\$ 0	\$ 0
Total Expenditures	\$ 20	\$ 0	\$ 0	\$ 0
Revenues Over (Under) Expenditures	\$ (13)	\$ 7	\$ 7	\$ 3
Beginning Fund Balance	<u>16,189</u>	<u>16,176</u>	<u>16,176</u>	<u>16,176</u>
Ending Fund Balance	<u>\$ 16,176</u>	<u>\$ 16,183</u>	<u>\$ 16,183</u>	<u>\$ 16,179</u>
Ending Cash Balance				<u>\$ 16,180</u>

## Board of Trustees Regular Meeting (VII.C)

Meeting	November 19, 2019
Agenda Item	Consent Agenda Information (VII.C)
Subject	CCFS-311Q – Quarterly Financial Status Report for the 1st Quarter Ended September 30, 2019
College/District	District
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

See the attached CCFS-311Q – Quarterly Financial Status Report for the 1st Quarter ended September 30, 2019.

Prepared By: Aaron S. Brown, Vice Chancellor, Business and Financial Services  
Bill J. Bogle, Jr., Interim Controller

**CCFS-311Q – Quarterly Financial Status Report Background Narrative  
September 30, 2019**

Education Code Section 84040 specifies that financial information be periodically reported to the California Community Colleges Board of Governors. To comply with this requirement, the District prepares Form CCFS-311Q – Quarterly Financial Status Report each fiscal quarter for submission to the Chancellor’s Office. The CCFS-311Q compares actual information for the prior three fiscal years to projected information for the current fiscal year. The Revenue, Expenditure and Fund Balance are the Unrestricted Funds of the General Fund. However, the cash balance reflects both Unrestricted and Restricted Funds.

The General Fund consists of the following:

Fund 11 – Unrestricted

- Resource 1000 – General Unrestricted
- Resource 1080 – Community Education
- Resource 1090 – Performance Riverside
- Resource 1110 – Bookstore (Contractor Operated)
- Resource 1170 – Customized Solutions

Fund 12 – Restricted

- Resource 1050 – Parking
- Resource 1070 – Student Health
- Resource 1120 – Center for Social Justice and Civil Liberties
- Resource 1180 – Redevelopment Pass-Through
- Resource 1190 – Grants and Categorical Programs



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CALIFORNIA COMMUNITY COLLEGES  
CHANCELLOR'S OFFICE

Quarterly Financial Status Report. CCFS-311Q  
CERTIFY QUARTERLY DATA

CHANGE THE PERIOD

Fiscal Year: 2019-2020

Quarter Ended: (Q1) Sep 30, 2019

District: (960) RIVERSIDE

Your Quarterly Data is Certified for this quarter.

Chief Business Officer

CBO Name: Aaron S. Brown

CBO Phone: 951-222-8789

CBO Signature: 

Date Signed: 10-31-19

Chief Executive Officer Name: Dr. Wade Ab Isaac

CEO Signature: 

Date Signed:

Electronic Cert Date: 10/29/2019

District Contact Person

Name: Bill J. Bogle, Jr.

Title: Interim Controller

Telephone: 951-222-8041

Fax: 951-222-8021

E-Mail: bill.bogle@rccd.edu

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California Community Colleges, Chancellor's Office  
Fiscal Services Unit  
1102 Q Street, Suite 4550  
Sacramento, California 95811

Send questions to:  
Christine Atalig (916)327-5772 [catalig@cccco.edu](mailto:catalig@cccco.edu) or Tracy Britten (916)324-9794 [tbritten@cccco.edu](mailto:tbritten@cccco.edu)

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CALIFORNIA COMMUNITY COLLEGES  
CHANCELLOR'S OFFICE

Quarterly Financial Status Report, CCFS-311Q

[VIEW QUARTERLY DATA](#)

**CHANGE THE PERIOD**

Fiscal Year: 2019-2020

District: (960) RIVERSIDE

Quarter Ended: (Q1) Sep 30, 2019

Line	Description	As of June 30 for the fiscal year specified			
		Actual 2016-17	Actual 2017-18	Actual 2018-19	Projected 2019-2020
<b>I. Unrestricted General Fund Revenue, Expenditure and Fund Balance:</b>					
A.	<b>Revenues:</b>				
A.1	Unrestricted General Fund Revenues (Objects 8100, 8600, 8800)	182,689,850	189,807,913	215,788,631	220,225,232
A.2	Other Financing Sources (Object 8900)	-1,037,419	-1,953,117	-2,331,193	-5,297,528
A.3	<b>Total Unrestricted Revenue (A.1 + A.2)</b>	181,652,431	187,854,796	213,457,438	214,927,704
B.	<b>Expenditures:</b>				
B.1	Unrestricted General Fund Expenditures (Objects 1000-6000)	171,989,549	185,116,817	204,854,752	254,079,235
B.2	Other Outgo (Objects 7100, 7200, 7300, 7400, 7500, 7600)	2,854,586	651,676	443,995	327,965
B.3	<b>Total Unrestricted Expenditures (B.1 + B.2)</b>	174,844,135	185,768,493	205,298,747	254,407,200
C.	<b>Revenues Over(Under) Expenditures (A.3 - B.3)</b>	6,808,296	2,086,303	8,158,691	-39,479,496
D.	<b>Fund Balance, Beginning</b>	36,136,212	42,944,508	45,030,811	53,189,475
D.1	Prior Year Adjustments + (-)	0	0	-27	0
D.2	<b>Adjusted Fund Balance, Beginning (D + D.1)</b>	36,136,212	42,944,508	45,030,784	53,189,475
E.	<b>Fund Balance, Ending (C. + D.2)</b>	42,944,508	45,030,811	53,189,475	13,709,979
F.1	Percentage of GF Fund Balance to GF Expenditures (E. / B.3)	24.6%	24.2%	25.9%	5.4%

**II. Annualized Attendance FTES:** This data is being captured in CCFS-320 and is no longer required here.

G.1	Annualized FTES (excluding apprentice and non-resident)				
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		As of the specified quarter ended for each fiscal year			
		2016-17	2017-18	2018-19	2019-2020
<b>III. Total General Fund Cash Balance (Unrestricted and Restricted)</b>					

H.1	Cash, excluding borrowed funds		85,798,646	95,460,113	118,293,361
H.2	Cash, borrowed funds only		0	0	0
H.3	Total Cash (H.1+ H.2)	51,810,212	85,798,646	95,460,113	118,293,361

**IV. Unrestricted General Fund Revenue, Expenditure and Fund Balance:**

Line	Description	Adopted Budget (Col. 1)	Annual Current Budget (Col. 2)	Year-to-Date Actuals (Col. 3)	Percentage (Col. 3/Col. 2)
I.	<b>Revenues:</b>				
I.1	Unrestricted General Fund Revenues (Objects 8100, 8600, 8800)	220,225,232	220,225,232	42,789,688	19.4%
I.2	Other Financing Sources (Object 8900)	-5,297,528	-5,297,528	2,030	0%
I.3	<b>Total Unrestricted Revenue (I.1 + I.2)</b>	214,927,704	214,927,704	42,791,718	19.9%
J.	<b>Expenditures:</b>				
J.1	Unrestricted General Fund Expenditures (Objects 1000-6000)	254,079,235	254,079,235	40,368,139	15.9%
J.2	Other Outgo (Objects 7100, 7200, 7300, 7400, 7500, 7600)	327,965	327,965	0	
J.3	<b>Total Unrestricted Expenditures (J.1 + J.2)</b>	254,407,200	254,407,200	40,368,139	15.9%
K.	<b>Revenues Over(Under) Expenditures (I.3 - J.3)</b>	-39,479,496	-39,479,496	2,423,579	
L	Adjusted Fund Balance, Beginning	53,189,475	53,189,478	53,189,475	
L.1	<b>Fund Balance, Ending (C. + L.2)</b>	13,709,979	13,709,982	55,613,054	
M	Percentage of GF Fund Balance to GF Expenditures (L.1 / J.3)	5.4%	5.4%		

**V. Has the district settled any employee contracts during this quarter?**

**NO**

**If yes, complete the following: (If multi-year settlement, provide information for all years covered.)**

Contract Period Settled (Specify) YYYY-YY	Management		Academic				Classified	
	Total Cost Increase	% *	Permanent		Temporary		Total Cost Increase	% *
			Total Cost Increase	% *	Total Cost Increase	% *		
<b>a. SALARIES:</b>								
<b>Year 1:</b>								
<b>Year 2:</b>								

	Year 3:								
<b>b. BENEFITS:</b>									
	Year 1:								
	Year 2:								
	Year 3:								

\* As specified in Collective Bargaining Agreement or other Employment Contract

c. Provide an explanation on how the district intends to fund the salary and benefit increases, and also identify the revenue source/object code.

VI. Did the district have significant events for the quarter (include incurrence of long-term debt, settlement of audit findings or legal suits, significant differences in budgeted revenues or expenditures, borrowing of funds (TRANS), issuance of COPs, etc.)?

**NO**

If yes, list events and their financial ramifications. (Enter explanation below, include additional pages if needed.)

VII. Does the district have significant fiscal problems that must be addressed?

This year?  
Next year?

**NO**  
**NO**

If yes, what are the problems and what actions will be taken? (Enter explanation below, include additional pages if needed.)

## Board of Trustees Regular Meeting (VIII.A)

Meeting	November 19, 2019
Agenda Item	Teaching and Learning (VIII.A)
Subject	Teaching and Learning Proposed Curricular Changes
College/District	District
Funding	N/A
Recommended Action	Recommend approving the proposed curricular changes for inclusion in the college catalogs and in the schedule of class offerings.

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### Background Narrative:

Presented for the Board's review and consideration are proposed curricular changes. The District Curriculum Committee and the administration have reviewed the attached proposed curricular changes and recommend their adoption by the Board of Trustees.

Prepared By: Susan Mills, Vice Chancellor Educational Services and Strategic Planning

# Proposed Curricular Changes

Compiled for the Executive Cabinet, Committee on Teaching and Learning, and Board of Trustees

## Courses

### Course Deletions

M N R

ADJ K1A	<b>Code Enforcement Basics</b> The Riverside County Code Enforcement decided not to offer this curriculum. The college had developed this curriculum for this department in 2017.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ADJ K1B	<b>Code Enforcement Officer Intermediate</b> The Riverside County Code Enforcement decided not to offer this curriculum. The college had developed this curriculum for this department in 2017.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ADJ K1C	<b>Code Enforcement Officer Advanced Code</b> The Riverside County Code Enforcement decided not to offer this curriculum. The college had developed this curriculum for this department in 2017.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ADJ W7A	<b>Rangemaster Course</b> The Riverside Sheriff's Department no longer wants to offer this course to self-sponsored students.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
ENE 22	<b>Engineering Drawing</b> Contents covered by ENE-41, for direct transfer to USC	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
ENE 28	<b>Technical Design</b> Contents covered by ENE-41, for direct transfer to USC	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
WEL 25	<b>Introduction to Oxyacetylene Welding</b> No longer used frequently enough in industry to justify.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
WEL 60	<b>Advanced Pipe and Plate Laboratory</b> Repeatability has been removed due to changes to Title 5 effective Fall 2013.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

### Course Exclusions

M N R

SPA 1H	<b>Honors Spanish 1</b> Spanish 1H was offered in the past at RCC but never filled adequately. It is not a viable course at RCC. We wish to exclude it from our curriculum at RCC.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
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### Course Inclusions

M N R

BIO 19	<b>Environmental Science</b> The course is offered at RCC and Norco colleges. Considering the current environmental issues, all community colleges should be provided with the opportunity to learn about them.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
KIN A62	<b>Flag Football</b> The Kinesiology discipline has received approval from our department (NSK) to include Flag Football KIN A62 and Advanced Physical Fitness A81C into our course catalogue. We would like to move forward to offer our students a bigger variety of movement-based courses towards the ADT in Kinesiology. Currently we offer Physical Fitness beginning and intermediate and we would like to offer advanced for students who want to continue taking more Physical Fitness courses. This can also help increase enrollment in this class because the class is offered in combination with Beginning, Intermediate, Advance.  Currently we only offer one team sport at Moreno Valley College (Soccer). We would like to add Flag Football to our rotation and offer it once in the Fall and Soccer in the Spring to give students more options when it comes to team sports and more options for movement-based classes towards the ADT. The current requirement for the ADT in Kinesiology regarding Movement Based classes is for students to choose 3 one-unit activity classes. Of which we offer Step Aerobics, Physical Fitness, Yoga, Soccer, Karate, Walking for Fitness, and Body Sculpting. Adding Advanced Fitness and Flag Football will increase the variety of options students have to choose from.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

# Courses

## Course Inclusions

M N R

<b>KIN A81C</b>	<b>Advanced Physical Fitness</b> The Kinesiology discipline has received approval from our department (NSK) to include Flag Football KIN A62 and Advanced Physical Fitness A81C into our course catalogue. We would like to move forward to offer our students a bigger variety of movement-based courses towards the ADT in Kinesiology. Currently we offer Physical Fitness beginning and intermediate and we would like to offer advanced for students who want to continue taking more Physical Fitness courses. This can also help increase enrollment in this class because the class is offered in combination with Beginning, Intermediate, Advance.  Currently we only offer one team sport at Moreno Valley College (Soccer). We would like to add Flag Football to our rotation and offer it once in the Fall and Soccer in the Spring to give students more options when it comes to team sports and more options for movement-based classes towards the ADT. The current requirement for the ADT in Kinesiology regarding Movement Based classes is for students to choose 3 one-unit activity classes. Of which we offer Step Aerobics, Physical Fitness, Yoga, Soccer, Karate, Walking for Fitness, and Body Sculpting. Adding Advanced Fitness and Flag Football will increase the variety of options students have to choose from.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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## Course Major Modifications

M N R

<b>ADJ D1C</b>	<b>Communications Training Officer Course</b> Sheriff's Department wanted to change the Hours from 40 lecture to 36 lecture and 4 lab. POST approved this change.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
<b>ELE 200</b>	<b>Electronics Work Experience</b> To change the course description to be compliant with the State Chancellor's office recommendation. COR has not been updated since 2008.	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
<b>ENG 4</b>	<b>Writing Tutor Training</b> Separating course content into lecture and lab to explain student activity during TBA hours.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>MUS 36</b>	<b>Instrumental Chamber Ensembles</b> Add objectives. Update description, SLOs, and textbook. Prepare for C-ID 185 approval.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>SOC 10</b>	<b>Race and Ethnic Relations</b> Course update as part of program review.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>SOC 2</b>	<b>American Social Problems</b> Updates to content and sample assignments.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>WKX 200</b>	<b>General Work Experience</b> To change the course description to be compliant with the State Chancellor's office recommendation. COR has not been updated since 2008.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

## New Courses

M N R

<b>AUT 96</b>	<b>Advanced Hybrid and Electric Vehicle Technology</b> This course is being developed to prepare students to be competitive in today's workforce. Changes in vehicle technology and emissions standards are driving the automotive industry to rely upon hybrid and electric vehicle propulsion systems.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>BUS 10H</b>	<b>Honors Introduction to Business</b> To enhance the current honors offerings.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>ENP 801</b>	<b>Facebook for Business</b> Part of a Social Media non credit certificate	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>ENP 802</b>	<b>Pinterest and Instagram for Business</b> Non Credit education. Part of a non credit social marketing certificate.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>ENP 803</b>	<b>YouTube for Business</b> Non credit education	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>ENP 804</b>	<b>Twitter for Business</b> Non credit education- part of a non credit certificate in social marketing	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>ENP 805</b>	<b>LinkedIn for Business</b> Part of a Social Media non credit certificate	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>MUS 854</b>	<b>Jazz Ensemble for Older Adults</b> Offer additional point of entry to college music program and for the development of jazz ensemble performance skills.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>MUS 855</b>	<b>Concert Band for Older Adults</b> Offer additional point of entry to college music program and for the development of concert band performance skills.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
<b>MUS 868</b>	<b>Symphony Orchestra for Older Adults</b> Offer additional point of entry to college music program and for the development of symphony orchestra performance skills.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

## Courses

### New Courses

M N R

PDS 801	<b>Leadership Skills</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 802	<b>Supervisory Skills</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 803	<b>Increasing Productivity</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 804	<b>Motivating Yourself and Others</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 805	<b>Difficult Conversations</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 806	<b>The Art of Negotiating and Collaborating</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 807	<b>Personality Styles and Difficult Relationships</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 808	<b>Critical Thinking, Problem Solving and Decision Making</b> This course is part of noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 809	<b>Business Writing in a Technological World</b> This course is part of noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 810	<b>Time Management</b> This course is part of noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 811	<b>High Impact Presentations and Proposals for the Work Place</b> This course if part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 812	<b>Workplace Communication Strategies</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 813	<b>Best Practices in Customer Service</b> This course is part of a noncredit certificate.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 814	<b>Closing Techniques That Win the Sale</b> Part of a noncredit certificate on sales techniques.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
PDS 815	<b>Winning Sales Scripts</b> Part of a noncredit certificate on sales techniques.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
REA 882	<b>Reading Skills and Strategies</b> The reading discipline wants to offer a non-credit class to students who want to improve their reading skills. We have added course objectives and made fewer SLO's. We also updated the textbook list.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## Disciplines

### Discipline Inclusions

M N R

PDS	<b>Professional Development Studies</b> Adoption of discipline.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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## Programs

### New Programs

M N R

#### Non-Credit Certificate

ENP	<b>Social Media for Business</b> In 2017, there were nearly 25,100 jobs in the social media marketing occupational group in the Inland Empire/Desert Region. Across the region, employment related to this group is expected to increase 9% through 2022. Employers will need to more than 15,100 workers over the next five years to fill new jobs and to backfill positions that workers are leaving - including retirements.  Employment for the social media marketing occupational group is expected to increase by 9% between 2017 and 2022 in the Inland Empire/Desert Region. More than 15,100 job openings will be available over the five-year timeframe.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
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# Programs

## New Programs

M N R

### Non-Credit Certificate

PDS	<b>Customer Relations</b> Knowledge of customer relations is needed across the board in all areas of business, but especially for those involved in dealing with the public on a day to day basis. Jobs such as sales, retail, government, education and those in private industry all need customer service skills to be successful in the workplace.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
PDS	<b>Emerging Leaders</b> Knowledge of leadership is needed across all industries as every industry and occupational field has those who provide leadership to their organizations. In order to meet this area of emphasis, there is a need to provide leadership training for those who are emerging leaders and those who aspire to be leaders in the future.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
PDS	<b>Enterprise Communication</b> Labor market data for enterprise communications is extensive. One could say that all occupations have a need to communicate better in the workplace. These skills are not limited to one occupational group or industry. In order to provide labor market data you would need to look at a variety of occupations.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
PDS	<b>Sales Techniques</b> Data from the Economic Development Agency predicts that sales and related occupations will increase 10.8% from 2014-2024. That increase nets an increase of 15,870 jobs in the Inland Empire. The increase, along with positions vacated by retirements will create a need for qualified sales individuals who have the skills to write a winning sales script and have the knowledge to close a sale. As positions open in sales and related occupations so will the need for individuals who have skills in sales.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>
PDS	<b>Workplace Essentials</b> The need for workplace essentials spans all occupations but is especially appropriate for new managers and those who are seeking management or supervision positions and/or clerical personnel who need the skills prescribed in the certificate. The Economic Development Agency data indicates there will be 11,510 new openings for managers between 2014-2024 for a 17.2% change. This does not include the already 66,840 estimated management positions as of 2014 that are filled. According to the Economic Development Agency's employment projections, there will be an increase of 22,520 Office and Administrative Support jobs by 2024. These individuals would also benefit from the information in the certificate. This certificate also has broader implications for the workforce as the skills prescribed in the content cross over occupations and employment positions and are valuable to almost anyone who is employed in the marketplace today.	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>

## Program Modifications

M N R

### Degree & Certificate

CUL	<b>Culinary Arts</b> Justification for proposed change to the culinary certificate is to add two courses to the program in order to satisfy accreditation requirements. CTE is in the process of applying for postsecondary accreditation from the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC). The commission assures that a program is meeting at least a minimum of standards & competencies set for faculty, curriculum and student services. ACFEF is recognized by the Council For Higher Education Accreditation (CHEA). CHEA is an association of 3,000 degree-granting colleges & universities and recognizes institutional and programmatic accrediting organizations. The benefits of postsecondary accreditation with the ACF creates public trust by ensuring established standards, accountability & credibility, higher level of professionalism, up-to-date & current practices, and marketing tool for recruiting students.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>
DFT	<b>Drafting Technology</b> Due to attached LMI report for job placement, the current certificate is shortened with the basic Drafting courses to accommodate a core drafting certificate for quick job placement and also to be transferable in later certificates in Mechanical and Architectural Drafting.	<input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

# RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R\_x\_\_ M\_x\_ N\_x\_\_

TOPs Code: \_0509.70\_\_

## Social Media for Business, Certificate of Completion (Noncredit)

### PROGRAM PREREQUISITE:

None

### SHORT DESCRIPTION of PROGRAM

The Social Media for Business Certificate provides students with an understanding of how to effectively leverage social media as part of a business marketing strategy. Students will analyze the ways in which business and nonprofits use social media marketing to engage customers and develop a successful business presence on social media using Facebook, Twitter, LinkedIn, YouTube, Instagram and Pinterest. This certificate is designed to both support students seeking to expand on their existing knowledge of social media marketing as well as those new to the field.

### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Explain how to develop effective social media marketing strategies for various types of industries and businesses.
2. Describe the major social media marketing portals that can be used to promote a company, brand, product, service or person.
3. Evaluate and apply social networking tools to a business scenario or career enhancement.
4. Assess the impact of social networking and its ROI (Return on Investment).

### Required Courses

		<u>Hours</u>
ENP-801	Facebook for Business	10
ENP-802	Pinterest and Instagram for Business	10
ENP-803	YouTube for Business	10
ENP-804	Twitter for Business	10
ENP-805	LinkedIn for Business	10

### Elective Courses

None

Hours

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**Total Hours:**

**50**

**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
PROGRAM OUTLINE of RECORD**

College: R\_X\_\_ M\_X\_\_ N\_X\_\_

TOPs Code: \_0518\_\_

Customer Relations, Certificate of Completion (Noncredit)

PROGRAM PREREQUISITE:

None.

SHORT DESCRIPTION of PROGRAM

The Customer Relations Certificate provides students with important communication skills and an understanding of how these skills should be utilized when working in customer service. Additionally, students will learn about different personality styles and how to effectively adapt to working with people with different styles. As a result of their classroom experience, students will be able to provide effective customer service and demonstrate collaborative problem solving.

PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Analyze and apply four essential customer service best practices in a role play.
2. Construct and deliver constructive criticism of a customer service experience session.
3. Demonstrate the collaborative problem-solving model to a case study.

Required Courses

	<u>Hours</u>
PDS-813 Best Practices in Customer Service	12
PDS-806 The Art of Negotiating and Collaborating	12
PDS 807 Personality Styles and Difficult Relations	12

Elective Courses

Hours

None

---

**Total Hours:36**

# RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R\_X\_\_ M\_X\_\_ N\_X\_\_

TOPs Code: 0599.00

## Emerging Leaders, Certificate of Completion (Noncredit)

### PROGRAM PREREQUISITE:

None.

### SHORT DESCRIPTION of PROGRAM

The Emerging Leaders Certificate enables students to develop the management, supervisory, and leadership skills necessary to get a job or advance on their current career path. Through the guided exploration of best practices in essential workplace skills, students will be prepared to successfully navigate complex professional environments. Both current and future leaders will benefit from the comprehensive overview of the skills necessary to be dynamic and effective leaders. This certificate also serves as a gateway into other noncredit and credit programs.

### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Explain and apply communication techniques for constructive criticism to a workplace scenario
2. Explain the four stages of team development and apply to a case study
3. Identify a problematic employee issue and identify if it is a coaching issue or disciplinary action case
4. Explain and apply to a case study involving ways to motivate employees

### Required Courses

		<u>Hours</u>
PDS-801	Leadership Skills	12
PDS-802	Supervisory Skills	12
PDS-803	Increasing Productivity	12
PDS-804	Motivating Yourself and Others	12

### Elective Courses

Hours

None

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**Total Hours:**

**48**

# RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R\_\_x\_\_ M\_\_x\_\_ N\_\_x\_\_

TOPs Code: 0599.00

## Enterprise Communication, Certificate of Completion (Noncredit)

### PROGRAM PREREQUISITE:

None

### SHORT DESCRIPTION of PROGRAM

The Enterprise Communication Certificate enables students to develop strategic communication techniques and skills necessary to succeed in the workplace. Students will demonstrate oral and written workplace communication skills, including learning constructive business writing concepts. This certificate is also a gateway into other noncredit and credit programs.

### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Describe and apply different strategic communication techniques to a workplace scenario.
2. Identify your professional EI strengths and limitations. Develop a plan using behavioral techniques to increase your EI competencies.
3. Apply business writing concepts to writing letters and emails using complete sentences with sentence variety, clarity with pronouns, proper punctuation, paragraphing and clear organization of ideas.

### Required Courses

		<u>Hours</u>
PDS– 812	Workplace Communication Strategies	12
PDS– 809	Business Writing in a Technological World	12

### Elective Courses

	Choose 2:	<u>Hours</u>
PDS– 805	Difficult Conversations	12
PDS– 806	The Art of Negotiating and Collaborating	12
PDS– 813	Best Practices in Customer Service	12
PDS– 807	Personality Styles and Difficult Relationships	12

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**Total Hours:**

**48**

# RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R\_\_\_ M\_x\_\_\_ N\_\_\_x\_\_\_

TOPs Code: 0509.40

## Sales Techniques, Certificate of Completion (Noncredit)

### PROGRAM PREREQUISITE:

None

### SHORT DESCRIPTION of PROGRAM

The Sales Techniques Certificate provides students with an understanding of how to effectively leverage various communication techniques and mediums to identify leads, work directly with decision makers, and close deals. The important sales techniques that students acquire will allow them to build lasting, long-term and mutually beneficial relationships with clients. These foundational sales techniques will enable student to get a job in sales or marketing, or advance in their current career. This certificate also serves as a gateway into other noncredit and credit programs.

### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Develop and deliver a series of sales scripts to fit a given sales situation and effectively deliver the scripts.
2. Describe and demonstrate techniques for closing sales.
3. Describe and demonstrate how to ask for the sale when a potential customer is resistant.
4. Develop and deliver scripts for call center or 'inside sales'.

### Required Courses

		<u>Hours</u>
PDS- 814	Closing Techniques that Win the Sale	8
PDS- 815	Winning Sales Scripts	8

### Elective Courses

Hours

None

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### **Total Hours:**

**16**

# RIVERSIDE COMMUNITY COLLEGE DISTRICT PROGRAM OUTLINE of RECORD

College: R\_\_X\_ M\_\_X\_ N\_\_X\_

TOPs Code: 0599.00

## Workplace Essentials, Certificate of Completion (Noncredit)

### PROGRAM PREREQUISITE:

None.

### SHORT DESCRIPTION of PROGRAM

The Workplace Essentials Certificates aims to provide students with the skills and knowledge to be successful in the workplace. Students will learn how to maximize efficiency, engage in strategic problem solving, and clearly communicate with internal and external stakeholders. These skills will allow both students with extensive experience in the workplace and those entering the workforce to improve their effectiveness and advance in their career. This certificate also serves as a gateway into other noncredit and credit programs.

### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

1. Relate the role of critical thinking to meeting business challenges and solving problems.
2. Hypothesize solutions to typical and atypical problems and test these hypotheses.
3. Demonstrate business-writing skills in the form of emails, memos, and proposals.
4. Apply the time management quadrant to a business case study attempting to balance personal and organizational goals.

### Required Courses

		<u>Hours</u>
PDS-808	Critical Thinking, Problem Solving and Decision Making	12
PDS-809	Business Writing in the Technological World	12
PDS-810	Time Management	12
PDS-812	Workplace Communication Strategies	12

### Elective Courses

Hours

None

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**Total Hours:**

**48**

# Proposal Form for Revision to Existing Certificate Pattern

## RIVERSIDE CITY COLLEGE

*This form is designed to help petition a change to an existing certificate. Where an "x" is shown, is for formatting purposes only. In fields which information is entered, please delete the "x" and offer information requested. If a field is not needed, you can leave blank or delete the section.*

TITLE: **Culinary Arts**  
TOPS: **1306:30 Culinary Arts**

DATE OF REQUEST: August 16, 2019  
FACULTY MEMBER SPONSORING PROPOSAL: David Avalos  
DISCIPLINE FACILITATOR: David Avalos  
CURRICULUM COMMITTEE REPRESENTATIVE: Stephen Schmidt  
DEPARTMENT CHAIR: Paul O'Connell

### **RATIONALE AND JUSTIFICATION FOR PROPOSED CHANGE TO CERTIFICATE:**

Insert rationale (please attach discipline/department minutes to proposal in META).

**Justification for proposed change to the culinary certificate is to add two courses to the program in order to satisfy accreditation requirements. CTE is in the process of applying for postsecondary accreditation from the American Culinary Federation Education Foundation Accrediting Commission (ACFEFAC). The commission assures that a program is meeting at least a minimum of standards & competencies set for faculty, curriculum and student services. ACFEF is recognized by the Council For Higher Education Accreditation (CHEA). CHEA is an association of 3,000 degree-granting colleges & universities and recognizes institutional and programmatic accrediting organizations. The benefits of postsecondary accreditation with the ACF creates public trust by ensuring established standards, accountability & credibility, higher level of professionalism, up-to-date & current practices, and marketing tool for recruiting students.**

### **REQUEST TO ADD A COURSE (OR COURSES) TO CERTIFICATE:**

- Proposed course(s) to be added to the certificate. Include name, title, and units:
  - **KIN 4 Nutrition 3 Units**
  - **MAG 56 Human Relations Management 3 Units**



## CERTIFICATE PROGRAM OUTLINE OF RECORD

### CULINARY ARTS

College: Riverside City College

#### SHORT DESCRIPTION OF CERTIFICATE

**This program prepares individuals to provide professional chefs and related hospitality services in restaurants and other commercial food establishments. This includes instruction in recipe and menu planning, preparing and cooking foods, supervising and training kitchen assistance, the management of food supplies and kitchen resources, including cost and inventory controls, aesthetics of food preparation and presentation, as well as training in a wide variety of cuisines and culinary techniques.**

#### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

- **Demonstrate learned customer service, wait staffing and point of sale system knowledge in a working dining room setting.**
- **Employ proper safety and sanitation principles to the receiving, storage, preparation, and service of food.**
- **Formulate menus utilizing menu design techniques, conversion of written recipes, and calculations of food costing and menu pricing.**
- **Demonstrate practical and theoretical knowledge of classical and contemporary cooking methods for both hot food and baking/pastry arts.**
- **Demonstrate practical knowledge of classical knife cuts. Apply learned cooking methods to international cuisines.**
- **Demonstrate proficiency in piping skills, mold usage, plate presentation, and other artistic techniques used in the garde manger kitchen as well as hot food, cold food, and pastry presentation.**

#### REQUIRED COURSES

Insert required course

		<u>UNITS</u>
CUL 36	Introduction to Culinary Arts	8
CUL 37	Intermediate Culinary Arts	8
CUL 38	Advanced Culinary Arts	8
KIN 4	Nutrition	3
MAG 56	Human Relations Management	3

#### ELECTIVE COURSES (Insert elective course language if applicable)

		<u>UNITS</u>
CUL 20	Fundamentals of Baking	2
CUL 22	Cake Decorating	2

#### TOTAL UNITS

32

**The Associate of Science degree in Culinary Arts will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.**

Program Outline of Record  
Degree/Certificate Modification

**Drafting Technology**

NAS/NCE 539  
**College: Norco**

This program prepares individuals to apply technical skills and advanced computer software and hardware to the creation of graphic representations and simulation in support of drafting and engineering design problems typical of industry. This includes instruction in engineering graphics, computer-aided drafting (CAD), two-dimensional and three-dimensional engineering design, solids modeling, rapid prototyping, and engineering animation. Students completing this certificate will be qualified for an entry level Engineering Drafting position.

**Program Learning Outcomes**

Upon successful completion of this program, students should be able to:

- Apply and integrate computer technology in the design process, exhibiting skills necessary for entry-level employment, as a designer in the drafting industry.
- Demonstrate a knowledge of engineering drawing skills and practice in the solution of industry related design projects.

<b>Required Courses (25-27 units)</b>		<b>Units</b>
DFT/ENE-21	Drafting	3
ENE-27/ELE-27	Technical Communications	3
<del>ENE-22</del>	<del>Engineering Drawing</del>	<del>3</del>
<del>ENE28</del>	<del>Technical Design</del>	<del>3</del>
DFT/ENE-30	Computer Aided Drafting (CAD)	3
DFT/ENE-42	SolidWorks I	3
DFT/ENE-51	Blueprint Reading	2
DFT/ENE-52	Geometric Dimensioning & Tolerancing (course updated with one lab unit)	3
ENE-60	Math for Engineering Technology	3
	or	
MAT-36	Trigonometry	4

Electives (Choose **two** from the list below) **6-7**

<b>Electives (3-4 units)</b>		<b>Units</b>
ARE-24	Architectural Drafting	3
ENE-26	Civil Engineering Drafting	3
ENE-42B	SolidWorks II	3
MAN-56	CNC Machine Set-Up and Operation	4

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**Total Units** **26 - 28**

*Associate in Science Degree*

*The Associate in Science Degree in Drafting Technology will be awarded upon completion of the degree requirements, including general education and other graduation requirements as described in the college catalog.*

# Proposed Curricular Changes

Compiled for the Executive Cabinet, Committee on Teaching and Learning, and Board of Trustees

## Courses

### Course Exclusions

M N R

ART 11	<b>Gallery and Exhibition Design</b> No longer offered.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ART 19	<b>Experimental Methods &amp; Materials</b> No longer offered.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
CAT 54A	<b>Introduction to Flash</b> The course is not a part of any CAT Program. The course has historical cross-listing which is no longer relevant to the CAT program.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CAT 78A	<b>Introduction to Adobe Photoshop</b> The course is not a part of any CAT Program. The course has historical cross-listing which is no longer relevant to the CAT program.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CAT 78B	<b>Advanced Adobe Photoshop</b> The course is not a part of any CAT Program. The course has historical cross-listing which is no longer relevant to the CAT program.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CAT 81	<b>Introduction to Desktop Publishing using Adobe InDesign</b> The course is not a part of any CAT Program. The course has historical cross-listing which is no longer relevant to the CAT program.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
PHI 15	<b>Bio-Medical Ethics</b> No longer offered.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Course Inclusions

M N R

KIN A43	<b>T'ai-chi Ch'uan, Beginning</b> Add to ADT options.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KIN A44	<b>T'ai-chi Ch'uan, Intermediate</b> Add to ADT options.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
KIN A62	<b>Flag Football</b> Add to ADT options.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### Course Major Modifications

M N R

ARE 24	<b>Architectural Drafting</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ARE 25	<b>Advanced Architectural Drafting</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ARE 35	<b>History of Architecture-Beginnings through Gothic</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ARE 36	<b>History of Architecture: Renaissance to Modern</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ARE 37	<b>Architectural Design I</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
BUS 814	<b>Business Skills: Professional Communication Basics</b> Change course number from 114 to 814 and match cross-listed course number.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BUS 815	<b>Business Skills: Professional Online Presence</b> Change 115 to 815.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BUS 816	<b>Business Skills: Managing the Customer Experience</b> 116 to 816.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BUS 817	<b>Business Skills: Professional Self-Management</b> 117 to 817 and match cross-listed number.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CAT 814	<b>Business Skills: Professional Communication Basics</b> Change course number from 114 to 814 and match cross-listed course number.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

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# Courses

## Course Major Modifications

M N R

CAT 817	<b>Business Skills: Professional Self-Management</b> 117 to 817 and match cross-listed number.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CIS 17A	<b>Programming Concepts and Methodology II: C++</b> Updates to Lab and Course Material	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CIS 5	<b>Programming Concepts and Methodology I:C++</b> Updating Lab and Course Materials	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CIS 7	<b>Discrete Structures</b> Updating Lab and Course Materials	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
CIS 8	<b>Fundamentals: Information Systems Security Auditing</b> This course was approved 2018 but it has a prerequisite of CIS 21 - Introduction to Operating Systems. After review it was determined that this prerequisite was not helping student's enrollment in CIS 8. The course is currently offered one time a year so students would have to wait a year to get the course. An easy fix would be to change the prerequisite for CIS 8 to advisory.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
CIS 90	<b>Microsoft Outlook</b> CTE 2 Year Curriculum Review: revision of all course outline components and addition of TBA lab activities.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DFT 24	<b>Architectural Drafting</b> SLO, Objectives, description and Textbook update.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ELE 63	<b>LabVIEW Visual Programming for Automated Systems</b> Updated to match cross listed partner, MAN 63.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ENE 35	<b>Statics</b> COR update to include objectives and align with C-ID ENGR-130	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ENE 38	<b>Introduction to Programming Concepts and Methodologies for Engineers</b> Augmenting COR for Cal Poly transfer acceptance.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ENE 60	<b>Math for Engineering Technology</b> Include the addition of course objectives and update textbooks	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ENG 885	<b>Writing Clinic</b> Course materials need to be updated.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
FIT 1	<b>Fire Protection Organization</b> Revise course outline of record to meet Title V review requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FIT 3	<b>Fire Protection Equipment and Systems</b> Update to the SLOs, Course materials and sample assignments.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FIT 5	<b>Fire Prevention</b> To revise and add course assignments to meet Title V review requirements.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FIT 7	<b>Principles of Fire and Emergency Services Safety and Survival</b> This course need sample assignments and to integrate institutional SLO's.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
KIN A28	<b>Swimming, Beginning</b> Addition of Course learning objectives along with updating course materials and SLO's	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
KIN A29	<b>Swimming, Intermediate</b> Adding course learning objectives and updating course materials and course SLO's.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
KIN A30	<b>Swimming, Advanced Skills and Conditioning</b> Adding course learning objectives and update Course Materials and course SLO's.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
MAN 63	<b>LabVIEW Visual Programming for Automated Systems</b> The technologies presented in this course represent the newest evolution of programmable control systems. During the previous industry advisory council meeting (The Dacum) the participants stated that the new trends in the field is the movement towards digital technologies and visual programming. These new technologies are represented in this course.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

## New Courses

M N R

CIS 833C	<b>Designing Internet of Things (IoT)</b> This course introduces business and technical concepts of Internet of Things (IoT) that will benefit learners who pursue system development, industrial manufacturing and IT related careers. It also supports Adult Education and Community Initiatives and Ca	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
SOC 10H	<b>Honors Race and Ethnic Relations</b> SOC 10H is being proposed to increase the number of Honors courses offered by Sociology. Currently we only have SOC 1H. SOC 10 (Race & Ethnic Relations) is a popular course and should fill as an Honors' level course with no problem. Our intention in Sociology is to increase the offerings students can choose from each semester so they can get through the program (per the Guided Pathway).	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

750

## General Education

### General Education Modifications

M N R

KIN 38	<b>Stress Management</b> Course SLO's demonstrate that the instructional focus is directly related to examination of lifestyle choices, behavioral patterns, and methods for effectively coping with distress. The final SLO identifies the link between knowledge gained and application in daily life (SELF-DEVELOPMENT).	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
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## Programs

### New Programs

M N R

ADT		
GEO	<b>Associate in Science in Geology Degree for Transfer</b> The Associate in Science in Geology Degree for Transfer provides Riverside City College (RCC) students pursuing degrees in Geology with a well-defined academic pathway for transfer to a California State University (CSU) and eventual completion of the Geology baccalaureate degree. This program will also provide a broad technical foundation surrounding fundamental geologic concepts central to supporting the personal, academic, and/or vocational needs of students. The Associate in Science in Geology Degree for Transfer will thus: 1) provide students with a well-defined pathway to the Geology major at CSU; 2) grant guaranteed admission to a CSU in a similar major, with junior standing; and, 3) allow students to complete their remaining transfer course requirements within 60 semester or 90 quarter units.	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

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### Non-Credit Certificate

CIS	<b>Internet of Things (IoT): Embedded Systems &amp; Microcontrollers</b> The Internet of Things (IoT): Embedded Systems and Microcontrollers certificate will provide students with proficiency in the areas of microcontroller and embedded system configuration, programming, design, prototyping for consumer market.	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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### Program Modifications

M N R

ADT		
SPA	<b>Spanish</b> 1. Remove Spanish 1H/2H from the RCC Spanish ADT. (Rationale: 1H and 2H are no longer in RCC's curriculum.) 2. Add the following statement: If a student has taken the AP Spanish Literature and Culture exam and obtained a score of 3, 4, or 5, three units of credit can be applied under List A. (Rationale: It benefits the students mentioned, obviating the need for them to take an extra course. Additionally, Norco added the same statement a few years ago and we voted in favor of it. We should keep our ADTs as consistent as possible.) 3. Correct a few typos: Note: If a student places out of any required courses and is not awarded units for that course, the student will have to take additional units to compensate for the course/units needed to reach at least 18 total units un (should be "in") the major (per Title 5 regulations) . (There's an extra space after the sentence.) Appropriate course substitutions may (insert "be chosen from) from List A or the courses listed below. Any other course substitution must be approved by the Spanish faculty of World Languages. (Rationale: The need to have the statement as accurate as possible.)	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>

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**RIVERSIDE COMMUNITY COLLEGE DISTRICT  
PROGRAM OUTLINE of RECORD**

College: R\_X\_\_ M\_\_ N\_\_

TOPs Code: 1914.00

Associate in Science in Geology for Transfer Degree (AS-T Geology)**Item 1. Statement of Program Goals and Objectives**

The Associate in Science in Geology Degree for Transfer provides Riverside City College (RCC) students pursuing degrees in Geology with a well-defined academic pathway for transfer to a California State University (CSU) and eventual completion of the Geology baccalaureate degree. This program will also provide a broad technical foundation surrounding fundamental geologic concepts central to supporting the personal, academic, and/or vocational needs of students. The Associate in Science in Geology Degree for Transfer will thus: 1) provide students with a well-defined pathway to the Geology major at CSU; 2) grant guaranteed admission to a CSU in a similar major, with junior standing; and, 3) allow students to complete their remaining transfer course requirements within 60 semester or 90 quarter units. Students transferring to a non-CSU campus should consult the catalog and determine the specific requirements of the campus to which they are applying.

Program Learning Outcomes

Upon successful completion of this program, students should be able to:

- Demonstrate an understanding of the physical structure and natural processes which have shaped the universe, solar system, and Earth.
- Identify and classify geological materials and demonstrate an understanding of their chemical composition and structure.
- Apply the scientific method to solve geological problems.
- Summarize the geologic time scale and explain its scientific basis, recount significant events in Earth history, and understand the basics of common absolute- and relative-age dating methods.
- Express the role of geology in everyday life, appreciate the extent of human impact on Earth systems and environments, and explain the geological processes potentially giving rise to natural hazards.

**Item 2. Catalog Description**

The Associate Degree for Transfer in Geology prepares students for success in a baccalaureate degree in Geology with the lower division course work required to transfer into the CSU system. Students completing the Associate Degree for Transfer in Geology will be prepared to transfer to a CSU as juniors and pursue a baccalaureate degree in Geology. The Associate Degree for Transfer in Geology utilizes the scientific method to develop knowledge regarding the Earth Sciences among students interested in pursuing a baccalaureate degree in Geology with the California State University (CSU) system. Areas of study within this program include the natural processes responsible for Earth's formation and dynamic history; the availability, recovery, and use of natural resources; geologic hazards; field methods in geology; and the evolution of life on this planet. Students receiving the AS-T degree in Geology will be prepared for transfer to CSU/UC or other university geology programs and will also be further prepared for careers as geologists in fields such as research, industry and education. The program requires two semesters of geology courses, two semesters of chemistry, and two semesters of single variable calculus.

Program Learning Outcomes

Upon successful completion of this program, students should be able to:

- Demonstrate an understanding of the physical structure and natural processes which have shaped the universe, solar system, and Earth.
- Identify and classify geological materials and demonstrate an understanding of their chemical composition and structure.
- Apply the scientific method to solve geological problems.
- Summarize the geologic time scale and explain its scientific basis, recount significant events in Earth history, and understand the basics of common absolute- and relative-age dating methods.
- Express the role of geology in everyday life, appreciate the extent of human impact on Earth systems and environments, and explain the geological processes potentially giving rise to natural hazards.

**Required Courses (26 Units)**

		<b><u>Units</u></b>
GEO 1 AND	Physical Geology	3
GEO 1L	Physical Geology Laboratory	1
GEO 1B	Historical Geology	4
CHE-1A* OR	General Chemistry I	5
CHE 1AH* AND	Honors General Chemistry I	5
CHE-1B* OR	General Chemistry II	5
CHE-1BH*	Honors General Chemistry II	5
MAT-1A*	Calculus I	4
MAT 1B	Calculus II	4
	<b>Total Major Units:</b>	<b>26</b>

\*Courses may also be used to fulfill general education requirements for the CSU GE or IGETC pattern, please confer with a counselor.

**Associate in Science for Transfer Degree**

The Associate in Science in Geology for Transfer degree will be awarded will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including the major requirements and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**Items 3-21.**

No written response is required for Narrative Items #3–21. All ADTs are developed in accordance with SB1440. SB1440 was authorized with alignment and in compliance with Title 5, Chapter 6, California Community Colleges Chancellor's Office Program and Course Approval Handbook, 5th Edition 124

Subchapter 2, sections 55100 and 55130. ADTs and corresponding transfer model curriculum (TMC) were developed collaboratively by intersegmental discipline faculty from the community colleges and the CSU. ADTs assist local community colleges in meeting master plan goals of enhancing transfer opportunities for students.

Important Note: Education Code section 66746 subdivision (b) prohibits a community college district from imposing any additional course requirements for a student to be eligible for an ADT, and subdivision (e) prohibits allowing remedial non-collegiate level coursework to be counted toward the units required for an ADT. If the college normally requires students to complete additional graduation requirements to obtain an associate degree, the catalog description must clearly state that the ADT does not require them.

RIVERSIDE COMMUNITY COLLEGE DISTRICT  
PROGRAM OUTLINE OF RECORD

College R\_\_M✓N\_\_  
TOP's Code: 0707.10

**Noncredit Certificate in Internet of Things (IoT): Embedded  
Systems & Microcontrollers**

PROGRAM PREREQUISITE:

None

SHORT DESCRIPTION OF PROGRAM:

The Internet of Things (IoT): Embedded Systems and Microcontrollers certificate will provide students with proficiency in the areas of microcontroller and embedded system configuration, programming, design, prototyping for consumer market.

PROGRAM LEARNING OUTCOMES:

Upon successful completion of this program, students should be able to:

- 1) Describe microcontroller and embedded systems functionality and architecture, pertaining to computing and processing concepts.
- 2) Connect electronic components and parts to microcontroller and embedded systems through assembling electronic circuitry.
- 3) Navigate the embedded operating systems for configuration and application interface.
- 4) Use programming languages to program instructions for embedded systems and microcontrollers to communicate with electronic components for specific tasks.
- 5) Explain the principles of Internet and connected devices as Internet of Things (IoT).
- 6) Practice the design and prototyping processes of embedded devices or systems.
- 7) Formulate a business plan for Internet connected devices that incorporates business modeling and manufacturing principles.

The certificate program requires the completion of 3 core classes, for a total of 48 hours.

<u>Required Courses</u>	<u>Hours</u>
CIS-833A Introduction to Microcontroller: Arduino	16
CIS-833B Introduction to Embedded System: Raspberry Pi	16
CIS-833C Designing Internet of Things (IoT)	16
<hr/> Total Hours:	<hr/> 48



## SPANISH Criteria A

### Item 1. Statement of Program Goals and Objectives

The Associate in Arts in Spanish for Transfer degree provides transfer majors with a strong foundation not only in the four basic language skills (listening comprehension, reading comprehension, speaking and writing), but also in the civilization and cultures of Spain and Latin America. The degree emphasizes the acquisition of communicative competence and the development of intercultural awareness, appreciation and understanding. Additionally, the Spanish courses align well with preparation for transfer majors in related fields such as liberal arts, language arts and linguistics, and complement majors in international relations, political science, business, education, sociology and other areas of study at UC, CSU, and private colleges and universities. This degree aligns with the approved Transfer Model Curriculum (TMC) in Spanish. The intent of this degree is to assist students in seamlessly transferring to a CSU.

#### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

- Demonstrate critical thinking skills in Spanish by interpreting and articulating ideas, questions, opinions and information at the high-intermediate level, both orally and in writing.
- Analyze the practices, products and perspectives of the Spanish-speaking countries and peoples throughout the world through a comparison of Hispanic cultures and their own.

### Item 2. Catalog Description

The Associate in Arts in Spanish for Transfer provides transfer majors with a strong foundation not only in the four basic language skills (listening comprehension, reading comprehension, speaking and writing), but also in the civilization and cultures of Spain and Latin America. The degree emphasizes the acquisition of communicative competence and the development of intercultural awareness, appreciation and understanding. Additionally, the Spanish courses align well with preparation for transfer majors in related fields such as liberal arts, language arts and linguistics, and complement majors in international relations, political science, business, education, sociology and other areas of study at UC, CSU, and private colleges and universities.

#### PROGRAM LEARNING OUTCOMES

Upon successful completion of this program, students should be able to:

- Demonstrate critical thinking skills in Spanish by interpreting and articulating ideas, questions, opinions and information at the high-intermediate level, both orally and in writing.
- Analyze the practices, products and perspectives of the Spanish-speaking countries and peoples throughout the world through a comparison of Hispanic cultures and their own.

**Required Courses 23 units**

SPA 1*	Spanish 1	5
SPA 2*	Spanish 2	5
SPA 3* or 3N*	Spanish 3 or Spanish for Spanish Speakers	5
SPA 4*	Spanish 4	5
List A	Select from the list below	

List A: Select a minimum of one course (3 units)

SPA 8*	Intermediate Conversation	3
SPA 11*	Spanish Culture and Civilization	3
SPA 12*	Latin American Culture and Civilization	3

\*Courses may be also be used to fulfill general education requirements for the CSUGE or IGETC pattern.

If a student has taken the AP Spanish Literature and Culture exam and obtained a score of 3, 4, or 5, three units of credit can be applied under List A.

Note: If a student places out of any required courses and is not awarded units for that course, the student will have to take additional units to compensate for the course/units needed to reach at least 18 total units in the major (per Title 5 regulations). Appropriate course substitutions may be chosen from List A or the courses listed below. Any other course substitution must be approved by the Spanish faculty of World Languages.

ANT-2*/2H*	Introduction to Cultural Anthropology	CSU Area D
ANT-5*	Cultures of Ancient Mexico	CSU Area D
ANT-8*	Introduction to Language and Culture	CSU Area D
ART-13*	Pre-Columbian Art History	CSU Area C1
ART-14*	Latin-American Art: Colonial to Present	CSU Area C1
COM-12*	Intercultural Communication	CSU Area D
ENG-25*	Latino Literature of the United States	CSU Area C2
GEG-2*	Introduction to Human Geography	CSU Area D
HIS-25*	History of Mexico	CSU Area D
HIS-31*	Chicano/a or U.S. Latino History	CSU Area C2 or D
SOC-1/SOC 1H*	Introduction to Sociology	CSU Area D
SOC-10*	Introduction to Race & Ethnicity	CSU Area D

The Associate Arts in Spanish for Transfer degree will be awarded upon completion of coursework totaling 60 California State University (CSU) transferable units including a minimum of 18 semester units or 27 quarter units in a major area of emphasis, as determined by the community college district, and the Intersegmental General Education Transfer Curriculum (IGETC) or California State University General Education (CSUGE) requirements with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.

**Items 3-21.**

No written response is required for Narrative Items #3–21. All ADTs are developed in accordance with SB1440. SB1440 was authorized with alignment and in compliance with Title 5, Chapter 6, California Community Colleges Chancellor's Office Program and Course Approval Handbook, 5th Edition 124

Subchapter 2, sections 55100 and 55130. ADTs and corresponding transfer model curriculum (TMC) were developed collaboratively by intersegmental discipline faculty from the community colleges and the CSU. ADTs assist local community colleges in meeting master plan goals of enhancing transfer opportunities for students.

Important Note: Education Code section 66746 subdivision (b) prohibits a community college district from imposing any additional course requirements for a student to be eligible for an ADT, and subdivision (e) prohibits allowing remedial non-collegiate level coursework to be counted toward the units required for an ADT. If the college normally requires students to complete additional graduation requirements to obtain an associate degree, the catalog description must clearly state that the ADT does not require them

## Board of Trustees Regular Meeting (VIII.B)

Meeting	November 19, 2019
Agenda Item	Teaching and Learning (VIII.B)
Subject	Teaching and Learning Proposed Academic Calendar 2021-2022
College/District	District
Funding	N/A
Recommended Action	Recommend approving the proposed academic calendar for 2021-2022

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### Background Narrative:

Presented for the Board's review and consideration is the proposed, District Academic Calendar for 2021-2022. The calendar has been developed in accordance with Article IX of the agreement between the District and the RCCD Faculty Associated CCA/CTA/NEA.

Prepared By: Susan Mills, Vice Chancellor Educational Services and Strategic Planning

# RIVERSIDE COMMUNITY COLLEGE DISTRICT

## 2021-2022 ACADEMIC CALENDAR

June 2021						
S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July 2021						
S	M	T	W	TH	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August 2021						
S	M	T	W	TH	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September 2021						
S	M	T	W	TH	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October 2021						
S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November 2021						
S	M	T	W	TH	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December 2021						
S	M	T	W	TH	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

January 2022						
S	M	T	W	TH	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February 2022						
S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28					

March 2022						
S	M	T	W	TH	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

April 2022						
S	M	T	W	TH	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May 2022						
S	M	T	W	TH	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June 2022						
S	M	T	W	TH	F	S
			1	2	3*	4
5	6	7	8	9	10**	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

\*June 3- Day Classes Meet as usual / Late afternoon & Evening Classes Meet Friday for Final Exams  
 \*\*June 10- Morning and Early afternoon Final Exams and Evening Commencement

- Required Day/New Faculty Aug 17
- FLEX Days  
 Fall: August 18,19, and 20  
 Spring: February 11
- Part- Time Orientation to be arranged by College
- Legal Holiday/Day of Observance
- Final Exams  
 Fall: December 10-16  
 Spring: June 3 (eve) - June 10 (morn)
- Commencement (June 10)

- Summer 2021  
 June 21-July 29 (6 weeks)  
 Weekend Classes- June 26- July 25
- Fall 2021  
 August 23-December 16  
 Weekend Classes-August 28-December 12
- Winter Session 2022  
 January 3- February 10 (6 weeks)  
 Weekend Classes- January 8- February 6
- Spring 2022  
 February 14- June 10  
 Weekend Classes February 26-June 5
- Classes not in Session

# 2021-2022 DATES TO REMEMBER

## Summer Session

June 21 - July 29

June 21 . . . Day and Evening Classes Begin  
June 26 . . . . . Weekend Classes Begin  
July 5 . . . . . Holiday  
July 25 . . . . . Weekend Classes End  
July 29 . . . . . Day and Evening Classes End

## Winter Session

January 3 - February 10

January 3 . . . . . Day and Evening Classes Begin  
January 8 . . . . . Weekend Classes Begin  
January 17 . . . . . Holiday  
February 6 . . . . . Weekend Classes End  
February 10 . . . . . Day and Evening Classes End

## Fall Semester

August 23 - December 16

August 17 . . . Required Day for New Faculty  
August 18,19, 20 . . . . . FLEX Days  
August 23 . . . . . Classes Begin  
August 28 . . . . . Weekend Classes Begin  
September 6 . . . . . Holiday  
November 11 . . . . . Holiday  
November 12 . . . . . Classes Not in Session  
November 22, 23, 24, 26, 27, 28 . . . Classes Not  
in Session  
November 25 . . . . . Holiday  
December 10-16 . . . . . Final Exams  
December 12 . . . . . Weekend Classes End  
December 16 . . . . . Full Term Classes End  
December 24 . . . . . Holiday  
December 31 . . . . . Holiday

## Spring Semester

February 14 - June 10

February 11 . . . . . FLEX Day  
February 14 . . . . . Classes Begin  
February 18, 21 . . . . . Holiday  
February 12, 13, 19, 20 . . . . . No Saturday/  
Sunday Classes  
February 26 . . . . . Weekend Classes Begin  
March 31 . . . . . Holiday  
April 11-17 . . . . . Spring Break (no classes)  
May 30 . . . . . Holiday  
June 3-10 . . . . . Final Exams  
June 5 . . . . . Weekend Classes End  
June 10 . . . . . Full-Term Classes End  
June 10 . . . . . Commencement and Final Exams

## Board of Trustees Regular Meeting (IX.A)

Meeting November 19, 2019

Agenda Item Other Items (IX.A)

Subject Vice Chancellor

College/District District

Funding N/A

Recommended  
Action

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (IX.B)

Meeting November 19, 2019

Agenda Item Other Items (IX.B)

Subject Presidents

College/District District

Funding N/A

Recommended  
Action

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### Background Narrative:

Information Only

Prepared By:



## Board of Trustees Regular Meeting (X.A)

Meeting	November 19, 2019
Agenda Item	Other Items (X.A)
Subject	Moreno Valley College
College/District	Moreno Valley College
Funding	N/A
Recommended Action	

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (X.B)

Meeting	November 19, 2019
Agenda Item	Other Items (X.B)
Subject	Norco College
College/District	Norco College
Funding	N/A
Recommended Action	

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (X.C)

Meeting	November 19, 2019
Agenda Item	Other Items (X.C)
Subject	Riverside City College/Riverside Community College District
College/District	Riverside City College
Funding	N/A
Recommended Action	

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (XI.A)

Meeting	November 19, 2019
Agenda Item	Other Items (XI.A)
Subject	CTA - California Teachers Association
College/District	
Funding	N/A
Recommended Action	

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (XI.B)

Meeting	November 19, 2019
Agenda Item	Other Items (XI.B)
Subject	CSEA - California School Employees Association
College/District	
Funding	N/A
Recommended Action	

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### Background Narrative:

Information Only

Prepared By:

## Board of Trustees Regular Meeting (XII.A)

Meeting	November 19, 2019
Agenda Item	Other Items (XII.A)
Subject	Update from Members of the Board of Trustees on Business of the Board
College/District	
Funding	N/A
Recommended Action	Information Only

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### Background Narrative:

Members of the Board of Trustees will briefly share information about recent events/conferences they attended since the last meeting including any updates regarding the following assigned associations:

- Association of Community College Trustees (ACCT)
- Association of Governing Board of Universities and Colleges (AGB)
- California Community College Trustees and Legislative Network (CCCT)
- Community College League of California (CCLC)
- Hispanic Association of Colleges and Universities (HACU)
- Latino Trustees Association
- Inland Valleys Trustees and CEO Association
- African-American Organizations Liaison Riverside Branch – NAACP
- Hispanic Chambers of Commerce: Corona, Moreno Valley and Riverside
- Chambers of Commerce: Corona, Eastvale, Jurupa Valley, Moreno Valley, Norco, Perris, and Riverside
- Riverside County School Boards Association
- Riverside County Committee on School District Organization
- Alvord Unified School District Ad-Hoc Committee
- Norco Partnership Ad-Hoc Committee

Prepared By:

## Board of Trustees Regular Meeting (XIII.A)

Meeting	November 19, 2019
Agenda Item	Other Items (XIII.A)
Subject	Conference with Legal Counsel - Anticipated Litigation - Significant Exposure to Litigation Pursuant to Government Code Section 54956.9(d)(2) One Potential Case (Claim Filed October 29, 2019)
College/District	District
Funding	N/A
Recommended Action	To Be Determined

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### Background Narrative:

To Be Determined

Prepared By: