#### PLANNING COMMISSIONERS

JEFFREY GIBA Chair

JEFFREY SIMS Vice-Chair

RAY L. BAKER Commissioner



JEFFREY BARNES Commissioner

CARLOS RAMIREZ Commissioner

> BRIAN LOWELL Commissioner

MELI VAN NATTA Commissioner

# PLANNING COMMISSION AGENDA

September 25, 2014

PLANNING COMMISSION MEETING - 7:00 P.M.

CITY OF MORENO VALLEY City Hall Council Chambers 14177 Frederick Street Moreno Valley, California 92553

CALL TO ORDER

**ROLL CALL** 

PLEDGE OF ALLEGIANCE

**APPROVAL OF AGENDA** 

#### **APPROVAL OF MINUTES**

**1.** August 28, 2014

# PUBLIC ADVISED OF THE PROCEDURES TO BE FOLLOWED IN THE MEETING

(ON DISPLAY AT THE REAR OF THE ROOM)

INTRODUCTION OF NEW PLANNING OFFICIAL (Richard Sandzimier) by John Terell, CEDD Director

COMMENTS BY ANY MEMBER OF THE PUBLIC ON ANY MATTER WHICH IS NOT LISTED ON THE AGENDA AND WHICH IS WITHIN THE SUBJECT

#### MATTER JURISDICTION OF THE COMMISSION

Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, in compliance with the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to Mark Sambito, ADA Coordinator, at 951.413.3120 at least 48 hours before the meeting. The 48-hour notification will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

#### **NON-PUBLIC HEARING ITEMS**

1. None.

#### PUBLIC HEARING ITEMS

1.	Case Description: Applicant: Owner: Representative: Location: Proposal: Case Planner:	Bicycle Master Plan Update City of Moreno Valley N/O Transportation Division Citywide Review of the proposed Bicycle Master Plan Update Michael Lloyd
	Recommendation:	<b>APPROVE</b> Resolution No. 2014-25 and thereby <b>RECOMMEND</b> that City Council:
		<ol> <li>RECOGNIZE that PA13-0056 (General Plan Amendment) is within the scope of the program Environmental Impact Report (EIR) approved in 2006 for the citywide Comprehensive General Plan Update in accordance with CEQA Guidelines, Section 15168(c) (2) and 15168 (e) (1) and (2); and</li> </ol>
		2. APPROVE PA13-0056 (General Plan Amendment) to revise the City Bikeway Plan, adopt the Bicycle Master Plan Update, and rename the Aqueduct Trail as the Juan Bautista de Anza Trail.
2.	Case Description: Applicant: Owner: Representative: Location:	PA14-0020 - Plot Plan CP Moreno Valley, DPSS, LLC Woodhaven Developers, Inc. Woodhaven Developers, Inc. West side of Heacock Street at the intersection

	of Heacock Street and Webster Avenue, Moreno Valley, CA
Proposal:	Plot Plan for a 52,250 square foot office building
	on a 5.8 acre portion of a 10.91 acre commercial
	zoned site. The proposed development includes
	a total of 342 parking spaces with a secure
	employee parking area.
Case Planner:	Jeff Bradshaw

## **Recommendation:** APPROVE Resolution No. 2014-26 and thereby:

- ADOPT a Negative Declaration for Plot Plan (PA14-0020) pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
- 2. APPROVE Plot Plan (PA14-0020) based on the findings contained in this resolution, and subject to the attached conditions of approval included as Exhibit A.

#### **OTHER BUSINESS**

1. Discussion of PC Rules of Procedure

#### STAFF COMMENTS

#### PLANNING COMMISSIONER COMMENTS

#### ADJOURNMENT

This page intentionally left blank.

1 2 3 4		CITY OF MORENO VALLEY PLANNING COMMISSION REGULAR MEETING AUGUST 28 <sup>TH</sup> , 2014
5 6	CALL TO ORDER	

#### CALL TO ORDER

8 Chair Giba convened the Regular Meeting of the City of Moreno Valley Planning 9 Commission on the above date in the City Council Chambers located at 14177 Frederick Street. 10

11 12

7

#### PLEDGE OF ALLEGIANCE

13 14 15

#### 16 **ROLL CALL** 17

- Commissioners Present: 18
- 19 Chair Giba
- 20 **Commissioner Baker**
- 21 **Commissioner Barnes**
- 22 **Commissioner Lowell**
- 23 **Commissioner Van Natta**
- 24
- 25 **Excused Absence**:
- Vice Chair Sims 26
- 27 **Commissioner Ramirez**
- 28
- 29 Staff Present:
- Chris Ormsby, Interim Planning Official 30
- Claudia Manrique, Associate Planner 31
- Suzanne Bryant, City Attorney 32
- Grace Espino-Salcedo, Administrative Assistant 33
- 34
- 35
- 36

#### 37 **APPROVAL OF THE AGENDA**

- 38 CHAIR GIBA - Alright, I call for an approval on the Agenda. Has everybody 39 40 read that over? Could I have a motion?
- 41
- 42 <u>COMMISSIONER BAKER</u> – So moved
- 43 44 <u>COMMISSIONER LOWELL</u> – Second
- 45

- 1 **<u>CHAIR GIBA</u>** Moved and seconded... all in favor raise your hand and say aye.
- 2 3

7

#### 5 PUBLIC ADVISED OF THE PROCEDURES TO BE FOLLOWED IN THE 6 MEETING

8 <u>CHAIR GIBA</u> – The public is advised of the procedures to be followed in the 9 meeting which are on display at the rear of the room. Comments by any member 10 of the public on any matter which is not listed on the Agenda and which is within 11 the subject matter jurisdiction of the Commission. The City of Moreno Valley 12 complies with the Americans with Disabilities Act of 1990 and if you need special 13 assistance to participate in this meeting please contact Mel Alonzo, ADA 14 Coordinator at 951-413-3027 at least 48 hours prior to the meeting.

15 16

17

19

21 22

23

#### 18 NON-PUBLIC HEARING ITEMS

#### 20 Approval of Minutes

- May 22<sup>nd</sup>, 2014
- June 26<sup>th</sup>, 2014
- July 24<sup>th</sup>, 2014
- 24 25

<u>CHAIR GIBA</u> – Has everybody reviewed the May 22<sup>nd</sup>, 2014 minutes? Chris
 Ormsby did you want to make any comment on those minutes?

28

29 **INTERIM PLANNING OFFICIAL ORMSBY** - I can make one comment with regard to the May 22<sup>nd</sup> minutes. I know there was one question with regard to 30 the discussion pertaining to a presentation of an annual report to the City Council 31 and just to clarify that, that particular annual report that was discussed at the May 32 meeting is actually required by State Law. It is not the report that is presented at 33 34 City Council, so the report... there will be a report most likely later in the year or within the next few months. It is a Board and Commission report. The City 35 Council will provide direction as to the scheduling of the report through the City 36 Clerk's Office. 37

- 38
- 39 **<u>CHAIR GIBA</u>** Thank you. I just wanted clarification on that.
- 40
- 41 **<u>COMMISSIONER VAN NATTA</u>** I have a correction on the minutes.
- 42
- 43 **CHAIR GIBA** Sure go ahead
- 44

- <u>COMMISSIONER VAN NATTA</u> On the minutes of May 22<sup>nd</sup>, on page 5, line 44,
   it quotes me as saying I believe that is a correct number and actually what I said
   is I don't believe that is a correct number.
- 4
- 5 <u>**CHAIR GIBA**</u> Yeah it looks like they left everything but the "t". Any other 6 corrections, observations or comments?
- 8 <u>COMMISSIONER VAN NATTA</u> I move that we accept the minutes as 9 corrected.
- 10

14

16

18

22

24

7

- 11 **<u>CHAIR GIBA</u>** Do we have a second?
- 13 COMMISSIONER LOWELL I'll second
- 15 **<u>CHAIR GIBA</u>** Moved and seconded. Is this a roll call vote Suzanne or just...?
- 17 COMMISSIONER VAN NATTA Yes
- 19 <u>COMMISSIONER LOWELL</u> Yes
- 21 COMMISSIONER BAKER Abstain
- 23 <u>COMMISSIONER BARNES</u> Yes
- 25 CHAIR GIBA Yes

26
 27 <u>CHAIR GIBA</u> – That's four yes, one abstain and two missing from the... Okay,
 28 let's review the approval of the minutes for June 26<sup>th</sup>, 2014. Do we have any
 29 corrections, comments? I have only one. On page 8, I got demoted to Vice
 30 Chair... just a point of interest, so I go from Chair to Vice Chair, so that's all. Is
 31 there anything else? Is there a motion to approve those minutes?

- 33 COMMISSIONER BAKER I so move
- 35 CHAIR GIBA Second?
- 36
  37 COMMISSIONER BARNES Second
- 38

- 38
   39 CHAIR GIBA A motion and a second... vote?
- 40
- 41 <u>COMMISSIONER BARNES</u> Yes
- 43 <u>COMMISSIONER BAKER</u> Yes
- 44 45 <u>COMMISSIONER VAN NATTA</u> – Yes
- 46

4

#### **COMMISSIONER LOWELL** - Yes

#### 3 CHAIR GIBA – Yes

5 <u>**CHAIR GIBA**</u> – That's five yes and two not here. And then the approval of the 6 minutes for July 24<sup>th</sup>, 2014. Review those? Do you have any comments or 7 changes, corrections, adjustments? If not do we have a motion to approve?

- 9 **<u>COMMISSIONER VAN NATTA</u>** So moved
- 10

14

16

18

20

22

24

11 **COMMISSIONER BAKER** – Second

- 13 CHAIR GIBA A motion and a second... vote?
- 15 **<u>COMMISSIONER LOWELL</u>** I was not present so I'll abstain
- 17 COMMISSIONER BAKER Yes
- 19 COMMISSIONER VAN NATTA Yes
- 21 **COMMISSIONER BARNES** Yes
- 23 CHAIR GIBA Yes
- 25 **<u>CHAIR GIBA</u>** That's four yes, one abstention and two not here.
- 26 27
- 28
- 29

31

#### 30 **PUBLIC HEARING ITEMS**

# 321.Case Description:PA14-0025Conditional Use Permit33Case Planner:Claudia Manrique

34
 35 <u>CHAIR GIBA</u> – Okay Public Hearing Item, Case Description, PA14-0025, CUP.
 36 The Applicant is Verizon Wireless; the Representative is Smart Link and
 37 presented by the Case Planner Claudia and I'm not going to say it because I'll
 38 probably... Manrique... close enough. Thank you Claudia.

- 39
- 40 **ASSOCIATE PLANNER MANRIQUE** Good evening. The proposal is a 41 Conditional Use Permit for the modification of an existing wireless 42 telecommunications facility. The proposed facility is located at 27905 John F. 43 Kennedy Drive which is the Moreno Valley Golf Course maintenance yard, which 44 is next to the City park fairway and there is a neighboring 55 foot monopalm with 45 a co-carrier on the site that will remain. The yellow dot on the arrow shows the 46 proposed site and west of it is the other monopalm that I just mentioned. The

1 proposed facility will replace an existing 60 foot monopalm with a 75 foot monopine. The equipment shelter will include mission style tile roofing, which is 2 required in the Moreno Valley Ranch Specific Plan SP193 and will be painted to 3 4 match the existing equipment shelter with the other carriers on site. The proposed 75 foot monopine will fill in a significant gap in the cell coverage 5 capacity and allow for future co-location. The design of the monopine blends in 6 7 with existing tree species around the site. Planning Staff has reviewed this project and determined that there would be no significant impact on the 8 9 environment and therefore exempt under CEQA, Section 15301 Minor 10 Modification to an Existing Facility. Public notice was sent to residents within 300 feet of the project, as well as posted on the site, and published in the Press 11 12 Enterprise and Staff recommends that the Planning Commission recognize that 13 the item is exempt under CEQA, Section 15301 and approve PA14-0025. Thank 14 you.

- 15
- 16 **<u>CHAIR GIBA</u>** Okay do we have any questions for Staff?
- 17
- 18 <u>COMMISSIONER BARNES</u> No questions
   19

20 <u>CHAIR GIBA</u> – Alright, in that case we're going to open up the public hearing 21 and we'll call forth the Applicant's testimony.

22

23 **APPLICANT REYES** – Hi, good evening. My name Shauna Reyes. I'm with Smart Link. I'm here on behalf of Verizon Wireless; the applicant, here about 24 25 Case PA14-0025. Thank you for your time and consideration of our project. We did everything possible to co-locate and so we are. The only way to do that was 26 27 to swap it out to a pine tree. Putting antennas onto an existing palm just doesn't work, so we did everything possible to meet the needs of the community and also 28 29 the network. So again, I want to thank you for your time and your support of our 30 project.

31

32 <u>CHAIR GIBA</u> – Thank you. Any questions for the applicant? No questions. 33 Then in this case we'll also open this up to public testimony. Are there any...I'm 34 probably in wrong field here right... the public testimony. I normally see it on 35 here so I didn't see it, so I'm just double checking. Okay so there are no public 36 comments so then we'll go to...I'll close the public testimony portion and go to 37 Commissioner Discussion. Are there any discussions on this?

38

39 <u>**COMMISSIONER VAN NATTA**</u> – The only thing I have to say is that they 40 certainly have made great strides on the appearance of these from a number of 41 years ago. Sometimes you have to look a couple of times before you realize that 42 oh that's an antenna there and not just a tree. They don't stand out as badly as 43 they used to.

1 **COMMISSIONER LOWELL** – I agree. I think the palm tree kind of sticks out like a sore thumb in this instance, but the new pine tree is going to blend in 2 3 seamlessly. 4 5 **COMMISSIONER BARNES** – Technically this is pretty straightforward, so no 6 comments. 7 8 **COMMISSIONER BAKER** – I just think this is a great location for this and I agree with the other Commissioners that they've really come a long way on these 9 10 monopines on camouflaging the antennas. You're right, you can't even hardly tell they are there any more so it's a great deal. I think we need to move forward 11 12 with it. 13 **<u>COMMISSIONER VAN NATTA</u>** – Would you like a motion? 14 15 16 CHAIR GIBA – Yes ma'am that's what I was going to ask for. Can we have a motion? 17 18 COMMISSIONER VAN NATTA - I move that we APPROVE Resolution No. 19 20 2014-22 and thereby; 21 22 1. RECOGNIZE that this item is exempt from provisions of the California 23 Environmental Quality Act (CEQA) as provided in Section 15301 for a 24 Minor Modification to an Existing Facility; and, 25 26 2. APPROVE PA14-0025, CUP based on the findings contained in the 27 Resolution and subject to the conditions of approval included as Exhibit A of the resolution. 28 29 30 CHAIR GIBA - Can we have a second? 31 32 **COMMISSIONER LOWELL** – I'll second 33 34 CHAIR GIBA – We have a motion and a second. Can we take a roll call vote? 35 36 **COMMISSIONER VAN NATTA** – Yes 37 38 **COMMISSIONER LOWELL** – Yes 39 40 **COMMISSIONER BAKER** – Yes 41 42 **COMMISSIONER BARNES** – Yes 43 44 **CHAIR GIBA** – Yes 45 CHAIR GIBA – That's five yes and 2 absent. It passes. Wrap up? 46

1 2 2	<b>INTERIM PLANNING OFFICIAL ORMSBY</b> – This action will be final unless an appeal is filed within 15 calendar days.
3 4 5 6	<u>CHAIR GIBA</u> – Thank you Chris.
7 8 9	OTHER BUSINESS
10 11 12	<ol> <li>Discussion of PC Rules and Procedure (This item was continued from July 24<sup>th</sup>, 2014)</li> </ol>
13 14 15	<b><u>CHAIR GIBA</u></b> – The next item on our Agenda is Other Business and this is discussion of PC Rules and Procedure. I believe that is yours Suzanne.
16 17 18	<b><u>COMMISSIONER VAN NATTA</u></b> - I think once again we're in a situation where we are missing two out of the seven Commissioners.
19 20 21 22 23	<b><u>CHAIR GIBA</u></b> – But it is only one of them that we had the two that we had last time missing were new Planning Commissioners. We only have one missing and Carlos was here the last time we had this so I felt it would be prudent to just move forward with it with only one missing.
24	COMMISSIONER VAN NATTA – Okay
25 26	COMMISSIONER LOWELL – Do you want to push it back till everybody is here?
27 28 29 30	<b><u>CHAIR GIBA</u></b> – How about if we just take an impromptu vote on that. Who would like to continue with this again until the next time around is up to you folks.
31 32 33 34 35 36	<u>COMMISSIONER VAN NATTA</u> – I would prefer to do it when all seven of us are here, even if someone has been in on the briefing before. It was well over a year ago the last time we had a briefing and I think it is appropriate to do it when everyone is here. Now is anybody who is currently here not planning on being here for the next meeting?
37	COMMISSIONER LOWELL – I'm planning on being here
38 39 40	COMMISSIONER BARNES - I will be here
41 42	<u>CHAIR GIBA</u> – I will be here
43	COMMISSIONER BAKER – I'll be here
44 45 46	<b><u>COMMISSIONER LOWELL</u></b> – We have a 30 percent attendance gap this time, so I think it would behoove

- 1 **CHAIR GIBA** – Fair enough, so do we have a motion? Yes Suzanne?
- 2

4

**CITY ATTORNEY BRYANT** – Maybe I'm not hearing correctly, but you're talking about we haven't done this in a year. This is the review of the rules of

5 procedure. 6

- 7 CHAIR GIBA - Yes 8
- 9 **CITY ATTORNEY BRYANT** – So this is what we do every July.
- 10

18

20

23

11 CHAIR GIBA – It is supposed to have been 12

13 CITY ATTORNEY BRYANT - Right and there haven't been any changes since 14 what, 2002. 15

- **CHAIR GIBA** That's true, but in this document also gives the option for the 16 Planning Commission to review it and maybe make changes. 17
- 19 <u>CITY ATTORNEY BRYANT</u> – Correct and that's to be done...
- 21 **CHAIR GIBA** – But they can't do that till they learn what it is about, so that's why 22 we're having a Study Session on that.
- 24 **COMMISSIONER LOWELL** – Just as an informational piece, Mr. Jeffrey Sims and myself, this is the first time we've seen these rules. They were not 25 26 presented to us last July. 27
- 28 CHAIR GIBA - We have three Planning Commissioners that have never 29 reviewed these rules personally with you.
- 30 **CITY ATTORNEY BRYANT** – I wasn't planning any sort of presentation. This 31 was a chance for the Planning Commission if they wanted to... 32
- 33 34 CHAIR GIBA – Ask questions or review...

35 36

- **COMMISSIONER LOWELL** I was under the impression you had a two hour 37 power point presentation. 38
- 39 CHAIR GIBA – She told me it was two and a half with a smart board
- 40
- 41 <u>CITY ATTORNEY BRYANT – Okay, yeah that'll happen when the smart board</u> 42 arrives. 43
- 44 CHAIR GIBA – I keep asking

1 **<u>COMMISSIONER VAN NATTA</u>** – I think we need to postpone this until we have 2 a full schedule so that we can be doing it at 11:30 at night.

3 4

CHAIR GIBA - What do you think Chris?

INTERIM PLANNING OFFICIAL ORMSBY – Just another note. I mean I did
take a look at the rules in detail. I mean just so you know from a Staff standpoint.
All the information as far as references to State Law and the Roberts Rules of
Order, nothing really has changed in that regard, so it is really going to be more
discussion among the Planning Commissioners. So everything content wise
looks good as far as what I could see in terms of the Planning Law and that kind
of thing.

14 **<u>COMMISSIONER VAN NATTA</u>** – I think we should just commit to making sure 15 that we read through it thoroughly before the next meeting and hopefully 16 everybody will here, so if there is any discussion then everybody will be part of it.

17

19

- 18 **CHAIR GIBA** We've all spoken I think. Do we do a motion to continue?
- 20 **INTERIM PLANNING OFFICIAL ORMSBY** We should do a motion; right, right 21
- <u>CHAIR GIBA</u> Can we get a motion then Meli for a continuance until next
   month?
- 25 **<u>COMMISSIONER VAN NATTA</u>** Okay since I was the one who motioned to 26 continue it to this month, I think when we do that, we just motion to take it off of 27 the Agenda or...
- 28
- INTERIM PLANNING OFFICIAL ORMSBY Just to continue it to the
   September meeting. I believe it is September 25<sup>th</sup>.
- 32 <u>COMMISSIONER VAN NATTA</u> Okay I move that we continue this item; the
   33 Discussion of the Planning Commission Rules of Procedure to our subsequent
   34 meeting; the one in September.
- 35
- 36 **<u>COMMISSIONER BAKER</u>** I'll second that
- 37
- 38 <u>CHAIR GIBA</u> We have a second along with that motion. All in favor say aye 39 and raise your hand. Okay that passed, so we're going to continue that then until 40 the next month. I kind of wondered if you folks wanted to do that, so just throw it 41 out there for argument.
- 42
- 43
- 44 45
- 45 46
- DRAFT PC MINUTES

#### 1 STAFF COMMENTS

2

<u>CHAIR GIBA</u> – Alright, then that's it for this evening. We kind of got done wind
 side of 30 minutes, so our next Planning Commission meeting is when?

6 INTERIM PLANNING OFFICIAL ORMSBY – September 25<sup>th</sup> would be the next
 7 meeting.

- 9 <u>CHAIR GIBA</u> Do we tentatively have anything that is really heavy or is that
   10 really a good month for this?
- 11

12 **INTERIM PLANNING OFFICIAL ORMSBY** – Yeah it is still a good month for 13 this. There are two items and I was just going to highlight those. We have 14 Transportation Engineering who will be presenting a Staff Report on the City's 15 Bicycle's Master Plan Update and then we will also be reviewing a Plot Plan for a 16 52,000 square foot office building on Heacock Street between Sunnymead and Eucalyptus. And then also just a note for October, we did ask the Planning 17 Commissioners to see if they could reserve October 9th as a possible second 18 19 meeting. We do have a large industrial warehouse project in the south part of 20 town that would be on the Agenda or we expect it to be on the Agenda for the 21 regular meeting in October which would be the fourth Thursday. 22

- 23 **<u>COMMISSIONER LOWELL</u>** So pencil in the 9<sup>th</sup>?
- 24 **CHAIR GIBA** So the 9<sup>th</sup> and the  $23^{rd}$ ?
- 26
  27 INTERIM PLANNING OFFICIAL ORMSBY Yeah it would be the
- 28
- 29 **<u>COMMISSIONER BARNES</u>** The 9<sup>th</sup> and the 23<sup>rd</sup>...right
- 30

34

37

39

<u>CHAIR GIBA</u> – Right, the 9<sup>th</sup> and the 23<sup>rd</sup>... right. Are you sending out an email
 to the other Commissioners who weren't here this evening and remind them of
 that?

INTERIM PLANNING OFFICIAL ORMSBY – Yes, I believe we already did, but
 I'll follow up.

- 38 **CHAIR GIBA** Thank you very much. Anything else Chris?
- 40 **INTERIM PLANNING OFFICIAL ORMSBY** I believe that was it.

- 42
- 43 44
- 45
- 46

down for the night?	rom the Planning Commissioners before we s
COMMISSIONER BARNES - I h	nave nothing to add.
us Planning Commission cards s touch with us, we'll be able to t	Thank you to Staff for taking care of us in gett so that when people want to know how to ge ell them how to do just that, so thank you v ie for looking out after us. We appreciate
ADJOURNMENT	
CHAIR GIBA – Call for adjournm	nent
COMMISSIONER VAN NATTA -	- Move we adjourn
COMMISSIONER BARNES - Se	econd
CHAIR GIBA – Okay all in favor	say aye and raise your hand. We're adjourne
Chris Ormsby Interim Planning Official Approved	Date

This page intentionally left blank.



#### PLANNING COMMISSION STAFF REPORT

Case:	PA13-0056
Date:	September 25, 2014
Applicant:	City of Moreno Valley, Public Works Department
Representative:	Michael Lloyd, Senior Engineer, P.E.
Location:	Citywide
Proposal:	General Plan Amendment to update the Bikeway Plan, Adopt the Bicycle Master Plan Update, and Rename the Aqueduct Trail as the Juan Bautista de Anza Trail
Redevelopment Area:	N/A
Recommendation:	Approval

#### SUMMARY

The City received a Caltrans Community Based Transportation Planning grant to update the Bicycle Master Plan. Three workshops have been held seeking input from stakeholders and the community. A Draft Bicycle Master Plan has been prepared along with a proposed facilities map. The proposed facilities map would replace the current General Plan Bikeway Plan with this General Plan Amendment. Along with the adoption of the Bicycle Master Plan Update, City staff will be seeking City Council approval of the renaming of the Aqueduct Trail as the Juan Bautista de Anza Trail.

#### PROJECT DESCRIPTION

The Bicycle Master Plan Update includes the following information:

- General bicycling information
- Analysis of existing bicycle facility conditions
- Recommended goals, policies, and objectives
- Recommended facilities
- Improvements to existing facilities
- Recommended programs
- Cost estimates
- Potential funding sources

The Bicycle Master Plan Update includes approximately 21 miles of Class I paths, 81 miles of Class II lanes, 15 miles of Class III routes, and 12 miles of bicycle boulevards. Recommended programs include suggestions on encouragement, marketing, enforcement, and education.

#### ANALYSIS

There were three primary reasons the City of Moreno Valley received the Community Based Transportation Planning grant to update the Moreno Valley Bicycle Master Plan. The first purpose of the grant was to bring the City's plan into conformance with the WRCOG Non-motorized Transportation Plan and other regional plans. The WRCOG plan is a component of the region's efforts to assist the Southern California Association of Governments (SCAG) to address regional reductions of greenhouse gases as required by SB 375. Other regional plans include Compass Blue Print Plans and adjacent jurisdiction plans. The second purpose was to bring the City's plan up to date with the current State of the Practice in terms of buffered bicycle lanes, bicycle boulevards, enhanced traffic signal detection, bicycle boxes at destinations/modal transfer points, and other ongoing research. Furthermore, the current City plan does not represent the best strategies to integrate all of the other modes of transportation such as Metrolink, Amtrak California bus service, Riverside Transit Agency (RTA) bus service, etc. The third purpose was to identify deficiencies within the existing network. The identification of missing links, needed extensions among residential areas and schools/parks and employment centers/retail centers, and needed connections to regional/adjacent jurisdiction facilities would enable the City to improve mobility and accessibility within the City as well as the region. Furthermore, it would allow the City to enhance the utilization of the existing network of bicycle lanes by making bicycling a more viable option as a modal choice. Identification of deficiencies would allow the City to address potential safety concerns that are discovered. The Bicycle Master Plan Update and associated recommended facilities fulfill the grant's objectives and provides the City a plan to move forward in the development of bicycle facilities within the City. The Bicycle Master Plan is consistent with the Goals, Objectives, Policies, and Programs of the General Plan as defined in the Circulation Element.

City staff is also seeking to rename the Aqueduct Trail. The Aqueduct Trail is a partially completed Class I bike path planned to extend from Eucalyptus Avenue near Arbor Park Lane and Fire Station 6 in the Towngate area, to Lake Perris. The bike path generally follows the right of way easement for the East Branch of the California

Aqueduct that terminates at Lake Perris. Within Moreno Valley, the aqueduct is part of the 28 mile Santa Ana Tunnel connecting the Devil Canyon Powerplant located on the north side of San Bernardino to Lake Perris. The bike path that follows the aqueduct easement has become known unofficially as the Aqueduct Trail.

In addition to the aqueduct, Moreno Valley is home to a part of the Juan Bautista de Anza National Historic Trail. The trail corridor extends from Nogales, Arizona to San Francisco. Renaming of the trail would acknowledge the historical significance of the Juan Bautista de Anza expedition through Moreno Valley and provide opportunities for the trail to be recognized as a part of a larger trail system that extends from Nogales, Arizona to San Francisco. The trail corridor consists of trail segments maintained by local, regional, state, and/or Federal agencies. There are also automobile routes that generally follow the trail corridor. In Moreno Valley, there are two routes. The 1774 expedition headed by Juan Bautista de Anza followed the route that is today bound by Alessandro Boulevard and Brodiaea Avenue from Theodore Street to I-215. The 1776 expedition followed a route from the Bernasconi Pass through the valley that is now Lake Perris towards March Air Reserve Base up towards the I-215/SR-60 interchange.

The Aqueduct Trail generally follows the Juan Bautista de Anza National Historic Trail corridor from Lake Perris to the Towngate area. By renaming the trail as the Juan Bautista de Anza Trail, the City would be better positioned in the future to receive Federal trail and active transportation grant funding. The renaming of the trail in no way would affect development, control, or maintenance of the trail. The trail will continue to be developed by the City on City controlled property or right of way and would continue to be maintained by the City. The

The proposed Bicycle Master Plan Update would have no impact to the General Plan, except for amending the Bikeway Plan. The following text summarizes the consistency of the Bicycle Master Plan Update with the current General Plan.

#### 9.5.1 Circulation Element Goals

Goal 5.2 "Maintain safe and adequate pedestrian, bicycle, and public transportation systems to provide alternatives to single occupant vehicular travel and to support planned land uses."

The Bicycle Master Plan Update is consistent with this goal. The plan is consistent with the State's classification of bicycle facilities and the safety provisions contained within the design standards. The plan proposes bicycle facilities that connect residential neighborhoods to schools, bus stops, a new Metrolink stations east of I-215, parks, commercial centers, and places of employment. Furthermore, the plan proposes connections to planned regional bicycle facilities and trails.

Objective 5.10 "Encourage bicycling as an alternative to single occupant vehicle travel for the purpose of reducing fuel consumption, traffic congestion, and air pollution. The Moreno Valley Bikeway Plan is shown in Figure 9-4."

The Bicycle Master Plan Update encourages bicycling as an alternative to single occupant vehicle travel through the planned facilities connecting residential neighborhoods to schools, bus stops, light rail stops, parks, commercial centers, and places of employment. Furthermore, the Bicycle Master Plan Update includes program and outreach recommendations intended to increase bicycle ridership. These program and outreach recommendations include education programs and events at schools as well as enforcement strategies for the police department.

Policy 5.10.1 "Bikeways shall link residential neighborhood areas with parks, employment centers, civic and commercial areas, and schools."

The Bicycle Master Plan Update includes proposed facilities that link residential neighborhoods to schools, bus stops, light rail stops, parks, commercial centers, and places of employment. A primary focus of the plan update was connectivity among these land uses via bicycle facilities.

Policy 5.10.2 "Integrate bikeways, consistent with the Bikeway Plan, with the circulation system and maintain Class II and III bikeways as part of the City's street system."

The Bicycle Master Plan Update is consistent with the City's General Plan Roadway Cross-sections and proposes a significant amount of Class II and III facilities. The proposed bicycle facilities are integrated with the City's Circulation Element.

Policy 5.10.3 "Support bicycle safety programs, and active enforcement of laws relating to the safe operation of bicycles on City streets."

The Bicycle Master Plan Update includes programs and outreach recommendations such as education programs and events at schools as well as enforcement strategies for the police department.

Policy 5.10.4 "Link local bikeways with existing and planned regional bikeways."

The Bicycle Master Plan Update includes facility connections to either existing or planned facilities in adjoining jurisdictions that include the Lake Perris State Recreational Area, County of Riverside, City of Riverside, City of Perris, and CA Department of Fish and Wildlife property.

Furthermore, the Bicycle Master Plan Update does not conflict with the intended land uses of the Community Development Element, does not affect the Parks, Recreation and Open Space Element, does not impact the Safety Element, and has no bearing on Environmental Safety or the Housing Element. The proposed bicycle facilities provide appropriate and feasible classifications along roadway segments that can be accommodated within the planned street right-of-way, aqueduct easements, and storm drain channel right of way. Therefore, the proposed revision would not impact the Circulation Element.

The Transportation Engineering Division recommends that the City's General Plan be amended such that the Bikeway Plan is updated per the Bicycle Master Plan Update recommended facilities.

#### **REVIEW PROCESS**

The proposed Bicycle Master Plan was presented to the Recreational Trails Board on July 23, 2014. The Board supports the Bicycle Master Plan Update. The Traffic Safety Commission reviewed the Bicycle Master Plan Update on August 6, 2014. The Commission supports the Bicycle Master Plan Update. The proposed renaming of the Aqueduct Trail as the Juan Bautista de Anza Trail was presented to the Environmental and Historical Preservation Board on September 8, 2014 and the Recreational Trails Board on September 24, 2014. Both Boards support the renaming of the trail.

#### **ENVIRONMENTAL**

The activity is within the scope of the program Environmental Impact Report (EIR) approved for the citywide Comprehensive General Plan Update in 2006. The program EIR adequately describes the project for the purposes of the California Environmental Quality Act (CEQA) in accordance with Section 15168(c) (2) and 15168 (e) (1) and (2) of the California Environmental Quality Act Guidelines. None of the conditions described in Section 15162 of the Guidelines that call for preparation of a subsequent EIR or Negative Declaration have occurred.

#### NOTIFICATION

The public hearing notice for this project was posted at City Hall and published in the local newspaper within a 1/8 page ad on September 12, 2014.

#### **REVIEW AGENCY COMMENTS**

Not applicable.

#### STAFF RECOMMENDATION

Staff recommends that the Planning Commission:

- 1. **RECOGNIZE** that PA13-0056 is within the scope of the program Environmental Impact Report (EIR) approved in 2006 for the citywide Comprehensive General Plan Update in accordance with CEQA Guidelines, Section 15168(c) (2) and 15168 (e) (1) and (2).
- 2. **APPROVE** Planning Commission Resolution No. 2014-25, recommending that the City Council approve PA13-0056 General Plan Amendment to revise the City Bikeway Plan, adopt the Bicycle Master Plan Update, and rename the Aqueduct Trail as the Juan Bautista de Anza Trail.

Prepared by:

Michael Lloyd Senior Engineer, P.E.

ATTACHMENTS:

Approved by:

Richard J. Sandzimier Planning Official

- 1. Public Hearing Notice
- Planning Commission Resolution No. 2014-25, including Exhibit A for a proposed Bikeway Plan
- 3. Bicycle Master Plan Update



# NOTICE OF PLANNING COMMISSION PUBLIC HEARING

BICYCLE MASTER PLAN UPDATE TO IDENTFY PROPOSED FUTURE CLASS I, II AND III BICYCLE FACILITIES CITYWIDE

The proposed Bicycle Master Plan Update identifies citywide bicycle facilities and programs that are consistent with and carry out the goals and objectives of the General Plan and amends the General Plan Bikeway Plan Map.

The project is within the scope of the program environmental impact report (EIR) approved earlier for the citywide Comprehensive General Plan Update approved in 2006. The program EIR adequately describes the project for the purposes of the California Environmental Quality Act (CEQA) in accordance with Section 15168(c) (2) and 15168 (e) (1) and (2) of the California Environmental Quality Act Guidelines. None of the conditions described in Section 15162 of the Guidelines that call for preparation of a subsequent EIR have occurred. The Planning Commission may consider any appropriate modifications or alternatives to the environmental determination.

Any person interested in the proposed project may contact Mark Gross, AICP, Senior Planner at (951) 413-3215 at the Community & Economic Development Department at 14177 Frederick Street, Moreno Valley, California, during normal business hours (7:30 a.m. to 5:30 p.m., Monday – Thursday and 7:30 a.m. to 4:30 p.m. on Friday) or may telephone (951) 413-3206 for further information.

If you challenge any of these items in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the Planning Commission on or before the following meeting date:

> Thursday, September 25, 2014 7:00 P.M. City Hall Council Chamber 14177 Frederick Street. Moreno Valley, CA 92552-0805

#### ATTACHMENT 1

This page intentionally left blank.

#### PLANNING COMMISSION RESOLUTION NO. 2014-25

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF MORENO VALLEY RECOMMENDING THAT THE CITY COUNCIL APPROVE APPLICATION NO. PA13-0056: AN AMENDMENT TO THE GENERAL PLAN BIKEWAY PLAN, ADOPTION OF THE BICYCLE MASTER PLAN UPDATE, AND RENAMING OF THE AQUEDUCT TRAIL AS THE JUAN BAUTISTA DE ANZA TRAIL

WHEREAS, the applicant, City of Moreno Valley Public Works Department filed Application No. PA13-0056, requesting an amendment to the Moreno Valley General Plan as attached Exhibit A, adoption of the Bicycle Master Plan Update, and renaming of the Aqueduct Trail as the Juan Bautista de Anza Trail as described in the title of this resolution.

**WHEREAS,** on September 25, 2014, the Planning Commission of the City of Moreno Valley held a public hearing to consider the subject application and environmental determination for the project.

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred.

WHEREAS, the activity is within the scope of the Program Environmental Impact Report (EIR) approved for the citywide Comprehensive General Plan Update in 2006. The Program EIR adequately describes the project for the purposes of the California Environmental Quality Act (CEQA) in accordance with Sections 15168(c) (2) and 15168 (e) (1) and (2) of the California Environmental Quality Act Guidelines. None of the conditions described in Section 15162 of the Guidelines that call for preparation of a subsequent EIR have occurred. The Planning Commission may consider any appropriate modifications or alternatives to the environmental determination.

**NOW, THEREFORE, BE IT RESOLVED**, it is hereby found, determined and resolved by the Planning Commission of the City of Moreno Valley as follows:

A. This Planning Commission hereby specifically finds that all of the facts set forth above in this Resolution are true and correct.

B. Based upon substantial evidence presented to this Planning Commission during the above-referenced meeting, including written and oral staff reports, and the record from the public hearing, this Planning Commission hereby specifically finds as follows:

> 1. **Conformance with General Plan Policies** – The proposed general plan amendment is consistent with the General Plan, and its goals, objectives, policies and programs. ATTACHMENT 2

**FACTS**: The adoption of the proposed General Plan Amendment and the Bicycle Master Plan Update for the various modifications of the Bikeway Plan will be consistent with the goals, objectives, policies and programs of the General Plan. The plan is consistent with the State's classification of bicycle facilities and the safety provisions contained within the design standards. The plan proposes bicycle facilities that connect residential neighborhoods to schools, bus stops, light rail stops, parks, commercial centers, and places of employment. Furthermore, the plan proposes connections to planned regional bicycle facilities and trails.

2. **Health, Safety and Welfare** – The proposed general plan amendment will not be detrimental to the public health, safety or welfare.

**FACTS:** The proposed amendment to the Bikeway Plan and adoption of the Bicycle Master Plan Update would not be detrimental to the public health, safety or welfare. The plan is consistent with the State's classification of bicycle facilities and the safety provisions contained within the design standards. Furthermore, the plan contains programs and outreach recommendations such as education programs and events at schools as well as enforcement strategies for the police department.

**BE IT FURTHER RESOLVED** that the Planning Commission **HEREBY RECOMMENDS** that the City Council:

1. **RECOGNIZE** that the Bicycle Master Plan Update is within the scope of the Program Environmental Impact Report approved for the citywide Comprehensive General Plan Update in 2006 in accordance with Sections 15168 (c) (2) and 15168 (e) (1) and (2) of the California Environmental Quality Act Guidelines; and

2. **APPROVE** General Plan Amendment Application No. PA13-0056, adopt the Bicycle Master Plan Update, and rename the Aqueduct Trail as the Juan Bautista de Anza Trail, based on the findings contained in this resolution.

**APPROVED** this 25<sup>th</sup> day of September, 2014.

Jeffrey Giba Chair, Planning Commission

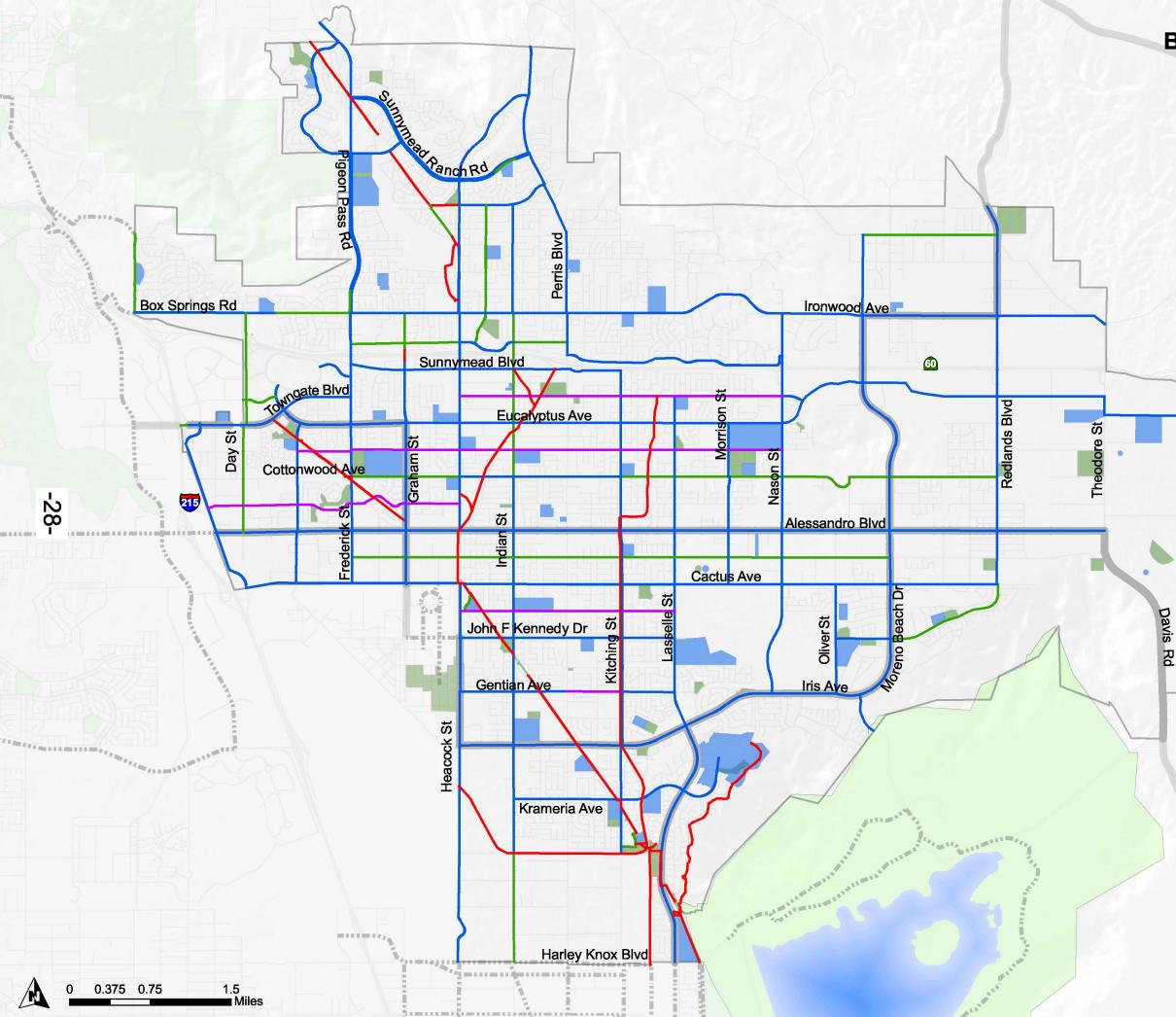
ATTEST:

Richard J. Sandzimier, Planning Official Secretary to the Planning Commission

APPROVED AS TO FORM:

City Attorney

Exhibit: Exhibit A Proposed Bikeway Plan



# **Bicycle Facilities Classifications Map City of Moreno Valley**

EXHIBIT A

#### Bicycle Facilities Classification

Gilman Springs Rd

N N N N N 1000

Class 1: Multi-Use Path Class 2: Bike Lane Class 3: Bike Route **Bicycle Boulevard** WRCOG Route Other Regional Routes



Waterbodies State Parks

Schools

**City Parks** 

Roads

City Boundary

# Bicycle Master Plan

# **City of Moreno Valley**



-29-

#### Acknowledgements



This Bicycle Master Plan was prepared for the City of Moreno Valley under the guidance of:

Senior Engineer/Project Manager Michael Lloyd, P.E. City Traffic Engineer Eric Lewis, P.E., T.E.

Additional input was provided by participants at three community workshops and respondents via the project online survey.

Prepared by KTU+A Planning + Landscape Architecture



Principal Mike Singleton, AICP-CTP, ASLA, LEED AP Project Manager/Planner John Holloway, ASLA, LEED Green Associate, LCI Mobility Planners Joe Punsalan, GISP, PTP, LCI Alison Moss



Facility planning and transportation engineering support provided by IBI Group Inc.

Associate/Transportation Planner Bill Delo, AICP Transportation Planner Matt Redmond



This project was funded by a California Department of Transportation (Caltrans) Community Based Transportation Planning (CBTP) Grant.

# **Table of Contents**

# **Executive Summary**

iii

2
2
4
6
7
16
18
2 4 6 7 1

# **2** Existing Conditions and Analysis

2.1 Existing Plans	21
2.2 Existing Facilities and Programs	26
2.3 Trip Origins and Destinations	28
2.4 Transit Connections	34
2.5 Safety Analysis	39
2.6 Opportunities and Constraints Summary	47

# 3Recommended Goals, Policies and Objectives533.1 Recommended Goals, Policies and Objectives533.2 Recommended Facilities543.3 Future Opportunities713.4 Improvements to Existing Facilities723.5 Other Bicycle Facilities753.6 Common Issues and Solutions773.7 Recommended Programs83

4	Bikeway Funding	
	4.1 Cost Estimates 4.2 Funding Sources	99 116

ppendices	
A: Design Guidelines	129
B: Suitability Model and Project Prioritization	152
C: Community Input Summary	156
D: Count Summary	159
E: BTA Compliance (In final submittal)	169

# **Figures**

## Introduction

**1: Regional Setting** 

# **2** Existing Conditions

2: Existing Bicycle Facilities	27
3: Land Use	29
4: 2000 Population Density	30
5: 2000 Employment Density	31
6: Activity Centers	32
7a: RTA Bus Routes in Moreno Valley	35
7b: Bus Stops in Moreno Valley	36
8: Public Transportation to Work Density	38
9: Bicycle-Related Collisions	42
10: Average Daily Vehicle Trips (ADVTs)	44
11: Speed Limits	45
12: Bicycle Suitability Model Analysis	49
13: Level of Traffic Stress (LTS) Model	51

3

1: Bus Route Details	37
2: Bicycle Collisions by Day of Week	39
3: Bicycle Collisions by Time of Day	40
4: Bicycle by Light Conditions	40
5: Bicycle Collisions by Year	40
6: Bicycle Collisions by Severity	40
7: Bicycle Collisions by Road Segment	40
8: Bicycle Collisions by Intersection	40
9: Bicycle Collisions by Age	41
10: Bicycle Collisions by Time of Day and Age	41
11: Bicycle Collisions by Vehicle Code Violation	41

## Recommendations

14: Recommended Class 1 Multi-use Paths	55
15: Recommended Class 2 Bicycle Lanes	61
16: Recommended Class 3 Bicycle Routes	67
17: Recommended Bicycle Boulevards	69
18: Typical Issues	77

# 12: Recommended Class 1 Multi-use Paths5613: Recommended Class 2 Bicycle Lanes6214: Recommended Class 3 Bicycle Routes6815: Recommended Bicycle Boulevards7016: Typical Issues7817: Potential Solutions78

# **4** Bikeway Funding

18: Federal Funding Sources	121
19: State Funding Sources	125
20: Local Funding Sources	127
21: Private Funding Sources	128





# **Importance of Bicycle Planning**

Many American cities were built on a foundation of autocentric infrastructure, programs and policies, but across the nation, many of those same cities are embracing cycling as never before. Some of them are making minor improvements to support cycling, while others are trying to undo the work of decades of planning that privileged the motor vehicle and speed above all else.

Reasons to undertake the significant task of retrofitting American cities to make them bicycle-friendly include environmental, health and economic benefits. The movement to make cycling a viable transportation option is also supported by several recent pieces of California legislation.

Lastly, American cities are embracing cycling in support of becoming places worth visiting and even moving to. Well thought-out bicycle facilities can be an important component of place-making and bicycle friendly cities are increasingly seen as desirable places, places chosen by people who have a choice. To stay competitive, American cities must embrace cycling.

City of Moreno Valley • Bicycle Master Plan

# Background

# **Approach and Goals**

This bicycle master planning project was funded by a California Department of Transportation (Caltrans) Community Based Transportation Planning (CBTP) Grant. This plan updates Moreno Valley's Bicycle Transportation Plan to conform to Western Riverside Council of Governments' (WRCOG) *Non-motorized Transportation Plan*, as well as other regional plans. In addition, this update identifies deficiencies and opportunities in the existing bicycle facility system within Moreno Valley and in terms of connectivity with adjacent jurisdictions. This bicycle master plan will guide design and implementation of infrastructure, programs and policies as Moreno Valley grows and facilities are planned and sited. The overall approach for this master plan is summarized in the following paragraphs:

It is imperative that a "cyclist's perspective" guide bicycle planning. Their unique characteristics, needs and priorities must be taken into account when making facility, policies or program decisions.

Cycling is a fundamental component of transportation planning, which addresses bicycle facilities on and off streets, as well as modal integration at transit centers and parking facilities.

Planning for cycling should not be focused on any particular facility type so much as it should be focused on the safe and efficient travel of cyclists of all ages and abilities, while addressing pedestrians' needs where shared use is appropriate. This will generally require both the use of the existing transportation infrastructure and the construction of special facilities for cyclists.

The coexistence of cyclists and vehicle drivers on roadways requires that all are sensitive to and recognize a common set of rules. Training, education and enforcement, for both drivers and cyclists, are as important as physical planning and design.



# **Understanding User Needs**

Facility maintenance, monitoring and performance assessment are critical for ensuring safe and efficient travel for cyclists. Planning for them is an ongoing process.

Land use and transportation planning should support projects that reduce automobile dependence. This study acknowledges and supports future land use and population projections with facility and program recommendations to continue to reduce auto reliance.

This bicycle master plan specifically recommends programs and policies designed to make the Moreno Valley a more bicycle friendly place and to encourage more residents to ride rather than drive. Its emphasis on new facilities, programs and policies reflects the fact that Moreno Valley has some bicycle lanes and paths in place, and is likely to achieve increased bicycle usage with the implementation of suggested improvements and initiatives. This bicycle master plan was developed by planners who routinely commute by bicycle and fully understand the implications of "alternative" travel. For example, potential bicycle routes were ridden to experience them firsthand, particularly routes or locations noted in community comments as forbidding to some users due to high motor vehicle speeds or volumes.

Where residents and visitors choose to go and how they move about Moreno Valley will be influenced by the perceived completeness and safety of bicycle facilities. Improved connections with the overall regional bicycle network will become increasingly valuable as more people choose to commute by bicycle.



# **Significant Findings**

Bicycles can play a significant intra-city travel role since Moreno Valley is large enough to make cycling convenient, but not so large that destinations are beyond a reasonable riding range.

Moreno Valley is also relatively flat, which makes regular cycling feasible for most riders. Along with level terrain, its grid street system and weather support year round cycling. There are also several flood control channels with the potential to provide relatively lengthy off-street routes more appealing to casual cyclists.

While some of Moreno Valley's arterials already have bicycle lanes, some of their posted speed limits and traffic volumes create uncomfortable conditions for many would-be regular cyclists. In addition, within the larger blocks created by the arterial network, many streets do not connect, impeding connectivity and forcing cyclists to go out of their way via these high speed, high volume arterials.

Quality facilities, including clear wayfinding and convenient bicycle parking, can make the difference between riding and not riding. Support programs can also help to encourage bicycle use, such as a centralized web portal where users can access information on bicycle facilities, suggested routes, parking, training, classes and other services to make cycling more convenient.

Linking bicycle improvements with other mobility modes, such as bus and rail service, enhances the effectiveness of all since some intra-city trips and many commuting trips involve more than one mode. Connections with surrounding communities and the overall region are of paramount importance for enabling bicycle circulation as a viable commuter mode. This will require close coordination with Caltrans and WRCOG, Southern California Association of Governments (SCAG), the Riverside County Transportation Commission (RCTC) and the Riverside Transit Agency (RTA) to ensure that planned improvements are implemented in a timely manner and that they connect with Moreno Valley's improvements in a way that will make commuters seriously consider riding instead of driving.

This includes the coming MetroLink extension of RCTC's 91 Line, specifically the Moreno Valley/March Field Station on Alessandro Boulevard immediately west of Interstate 215. Making connections between modes as seamless as possible will do much to encourage residents and visitors to travel via other modes than driving their own vehicle.



# **Cycling Benefits**



Reduced greenhouse gas (GHG) emissions and traffic congestion are community benefits attributable to cycling. Increasing levels of cycling also has positive impacts on local and regional air quality, rider finances and community health.

# **Environmental Benefits**

Although vehicle emissions have been dramatically reduced in recent decades due to regulations and technological improvements, they still impact air quality and human health. Motor vehicles are a significant contributor to air pollution, which can cause asthma, bronchitis, pneumonia and decreased resistance to respiratory infections. Fewer people per capita cycle in the United States than in most other countries and the nation is a leader in petroleum consumption.

In California, 40 percent of carbon dioxide ( $CO_2$ ) emissions are produced by the transportation sector. While  $CO_2$  is not the most harmful greenhouse gas, it is the most abundant. Even after accounting for the global warming potentials of other greenhouse gases (comparing them in terms of  $CO_2$ ), 95-99 percent of vehicle emissions are  $CO_2$ . The EPA found that the average vehicle emits just under a pound of  $CO_2$  per mile. Therefore, almost 10 pounds of carbon dioxide emissions could be avoided each day if an individual with a five mile (each way) commute switched from driving to an active transportation mode like cycling.

#### Greenhouse Gas (GHG) Reduction Estimates due to Cycling

Employing the EPA's latest vehicle emissions data, the following table illustrates current estimated GHG reductions (pounds/year) attributable to commuter bicycling in Moreno Valley, and the potential for additional future reductions (approximately 20 percent) resulting from increased commuter bicycling to replace driving due to plan implementation:

GHG Component	Current	Future	Change
Carbon Dioxide	8,226,179	9,953,337	1,727,158
Carbon Monoxide	248,186	300,295	52,109
<ul> <li>Hydrocarbons</li> </ul>	27,220	32,936	5,716
<ul> <li>Nitrous Oxide</li> </ul>	19,014	23,006	3,992
Inhalable Particles	202	245	43

# **Economic Benefits**

Cycling is a low cost activity that can be easily incorporated into an individual's daily life, such as commuting to work or running errands. In mild climates like Moreno Valley's, cycling can occur year round. Residents can benefit financially from improved cycling infrastructure. Cycling to and from work can save money and people who regularly drive pay higher costs than those who bicycle. Beyond the up-front cost of their vehicle, there is maintenance, insurance and often parking. According to the American Automobile Association, daily driving now costs more than \$9,000 annually. Based on an example wage of ten dollars an hour, a vehicle owner must work 900 hours per year to pay for his or her commute by car. By comparison, a cyclist only has to work about 30 hours per year to pay for commuting by bicycle.

# **Health Benefits**

A significant percentage of Americans are overweight or obese, and while the epidemic has shown signs of leveling off, recent projections indicate that 42 percent of the population will be obese by 2030. To combat this trend and prevent a variety of diseases, the Center for Disease Control (CDC) suggests a minimum of 30 minutes of moderate intensity physical activity five days per week, such as cycling. An average adult can ride 6.25 miles in 30 minutes, which burns roughly 130 calories.

Outdoor activities that encourage cycling are great ways to help lose weight since they burn fat, which helps individuals feel and function better. Exercise improves heart and lung fitness, as well as strength and stamina. Regular exercise reduces the risk of high blood pressure, heart attacks and strokes. In addition to heart disease, regular exercise can also help to prevent other health problems such as non-insulin dependent diabetes, osteoarthritis and osteoporosis. Exercise also relieves symptoms of depression, improves mental health, and decreases anxiety and stress levels. Cycling on a regular basis can be a fun way to exercise and takes advantage of its stress-reducing capabilities.

# **State Compliance**

# **Proposed Facilities and Programs**

Bicycle master plans in California are specifically intended to encourage bicycle usage as regular transportation and a city's plan must therefore be approved by the Caltrans for the city to be eligible for Bicycle Transportation Account (BTA) funding, administered by Caltrans. Accordingly, this plan addresses the items within the *California Streets and Highways Code Section 891.2*, which lists specific bicycle master plan content requirements needed for Caltrans approval. To facilitate Caltrans review, the specific sections relating to code compliance are compiled in the final appendix as the last page of the document. Moreno Valley has some on-street bicycle lanes and off-street paths, as well as some cycling support programs, but this master plan recommends a significant increase in facilities to improve overall connectivity, as well as programs and policies to further encourage bicycle usage as regular transportation.

The range of facilities proposed in this bicycle master plan encompass all three State-designated bikeway classes, as well as recommendations for additional facility types already in use elsewhere, including in California.

The recommended facility types were chosen as the best solutions to address site-specific conditions in locations across Moreno Valley. The majority are bicycle lanes that, wherever possible, take advantage of the City's existing policy of repurposing small amounts of street width to wider bicycle lanes in the normal course of resurfacing maintenance.

Signed bicycle routes are also proposed on narrower, less traveled streets, including enhanced versions called bicycle boulevards, especially where connections can be made with schools and parks. These often parallel busy arterials, allowing users to access their desired destinations, but avoid riding on busy, high speed roadways.

A number of paved multi-use paths are recommended along aqueducts and flood control channels as low-stress routes separated from roadways and vehicular traffic. These bicycle boulevards and multi-use paths are intended to form a functional network of off-street routes more attractive to families and to people who ride less frequently, but may have been considering riding more.

Finally, a number of suggested education and training programs is included to support bicycling because a combination of facilities and support programs has been found to work best to encourage more people to try riding their bicycles, instead of driving their cars, the ultimate goal of this plan.

T

# Introduction

The City of Moreno Valley wants to provide a safe, convenient and efficient environment for bicycle travel to and across the City. This bicycle master plan supports this goal by identifying and prioritizing bicycle infrastructure projects, as well as education and training programs intended to improve safety for all roadway users.

This bicycle master planning project was funded by a California Department of Transportation (Caltrans) Community Based Transportation Planning (CBTP) Grant. This plan provides a vision for cycling in Moreno Valley and updates the City's 2006 *Bicycle Transportation Plan* to conform to Western Riverside Council of Governments' (WRCOG) *Non-motorized Transportation Plan*, as well as other regional plans. In addition, this update identifies deficiencies and opportunities in the existing bicycle facility system within Moreno Valley and in terms of connectivity with adjacent jurisdictions.

The study vision is a community where more of its residents and visitors commonly bicycle to get around, instead of automatically reaching for their car keys. Many other communities are pursuing a similar vision, but this study proposes a mobility blueprint tailored for Moreno Valley's unique mix of layout, topography, transportation infrastructure and climate. The expected benefits include physical, social and mental health improvements for those who choose to bicycle, as well as reduced transportation costs and, in some cases, time savings. This will also benefit those who do not bicycle, including reduced traffic and parking congestion, safer streets, improved air quality and reduced green house gas emissions. The three primary purposes in updating the Moreno Valley Bicycle Transportation Plan are as follows:

- Bring Moreno Valley's plan into conformance with WRCOG's Non-motorized Transportation Plan and other regional plans. The WRCOG plan is a component of the region's efforts to assist the Southern California Association of Governments (SCAG) in addressing regional greenhouse gas reductions as required by SB-375. Other regional plans include the Compass Blueprint Plan for the Alessandro Boulevard corridor, as well as adjacent jurisdiction plans.
- 2. Bring Moreno Valley's bicycle planning up to date with current state of the practice to take advantage of the latest innovations, such as buffered bicycle lanes, bicycle boulevards, enhanced traffic signal detection, bicycle boxes and other ongoing research. This plan identifies the best strategies to integrate cycling with other transportation modes, such as Metrolink, and Amtrak California and RTA bus service.
- 3. Identify deficiencies within the existing network. Identifying missing links, extensions to residential areas, schools/parks and employment centers/retail centers and required connectivity to regional/adjacent jurisdictions will enable Moreno Valley to improve internal and regional mobility.

This updated plan is anticipated to help increase ridership through facility improvements and recommended programs. Identifying deficiencies would allow Moreno Valley to address potential safety concerns. Enhancing the overall bicycle network should support greater utilization by making cycling a more viable transportation option.

# 1.1 Scope

# 1.2 Study Area

This plan is intended to provide a vision for bicycle circulation through understanding current conditions, identifying cyclists' needs throughout the City and examining potential improvement options. The study also addresses opportunities to connect and integrate existing and proposed facilities and to prioritize implementation strategies in accordance with viable funding sources. Since this study provides a framework for the City's bicycle network development, it also supports eligibility for local, State and federal funding for bicycle projects. Adoption of this plan makes Moreno Valley eligible for such funding.

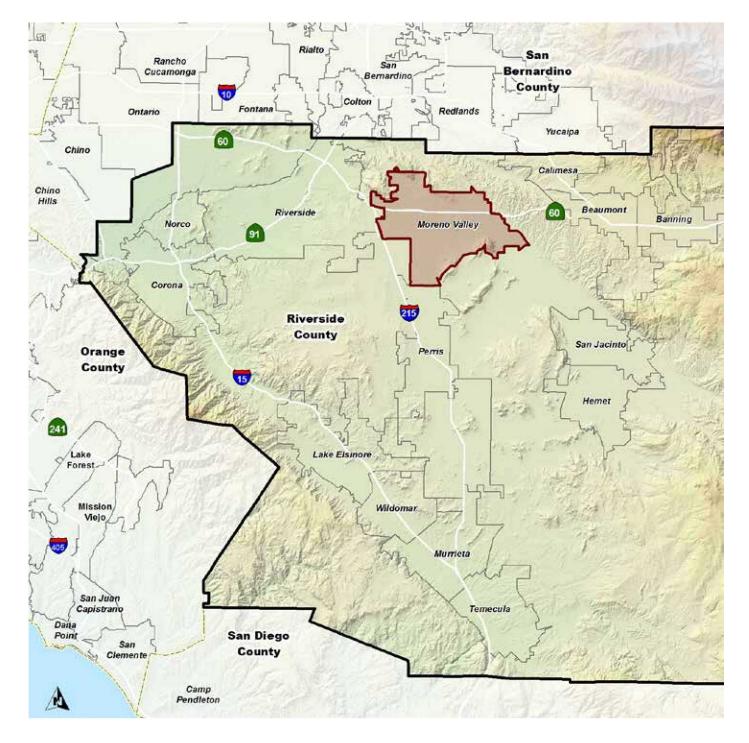
With the implementation of this study's recommendations, the resulting network will create a more bicycle-friendly community, especially if supported by vehicle driver and cyclist education, enforcement and promotional programs and policies. The anticipated result is an increase in residents and visitors choosing to ride a bicycle to and from Moreno Valley destinations. This plan sets the foundation for decisions and identifies a blueprint for future bicycle development so that opportunities are not missed in the course of other infrastructure, land use and facility development decisions. Precise alignments and details will be developed during subsequent implementation phases.

The study area was the City of Moreno Valley in western Riverside County. Also considered were adjacent communities and unincorporated areas where existing and proposed cycling connections offered opportunities for increased regional connectivity. Strengthening regional connections, in addition to being a standard planning goal, is required for State approval of a city's bicycle master plan. Among the regional connections are those with the City of Riverside, University of California-Riverside, the Lake Perris State Recreation Area and the planned Metrolink station immediately west of Moreno Valley.

A local and regional route development goal was to foster low-stress and comfortable facilities to entice more people to consider cycling for everyday trips and recreation. Within Moreno Valley, special consideration was therefore given to increased connectivity to schools, parks, shopping centers and the transit network.







#### Figure 1: Regional Setting

# **1.3 Benefits of Cycling**

Numerous environmental, health and economic benefits are attributable to cycling, especially as a substitute for driving a vehicle.

# **Environmental Benefits**

Increased cycling reduces fossil fuel emissions. In California, 40 percent of carbon dioxide ( $CO_2$ ) emissions are produced by the transportation sector. While  $CO_2$  is not the most harmful greenhouse gas, it is the most abundant. Even after accounting for the global warming potentials of other greenhouse gases (comparing them in terms of  $CO_2$ ), 95 to 99 percent of vehicle emissions are  $CO_2$ . The EPA found that the average vehicle emits 0.95 pounds of  $CO_2$  per mile. Therefore, almost 10 pounds of carbon dioxide emissions could be avoided each day if an individual with a five mile (each way) commute switched from driving to an active transportation mode like cycling.

## **Health Benefits**

Despite dramatic strides in recent decades through regulations and technological improvements, vehicle emissions still pose a significant threat to air quality and human health. Vehicle generated air pollution contains harmful greenhouse gas emissions including carbon dioxide, carbon monoxide, methane, nitrous oxide and volatile organic compounds. These pollutants and irritants can cause asthma, bronchitis, pneumonia and decreased resistance to respiratory infections. Taking steps to reduce these emissions is particularly important in the United States, which leads the world in petroleum consumption. The conversion of vehicular trips to cycling trips offers a great opportunity to reduce emissions and improve public health.

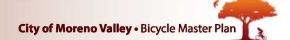
In addition to the universal public health benefit, such as improved air quality described above, cycling has the potential to positively impact personal health. A significant percentage of Americans are overweight or obese and recent projections indicate that 42 percent of the population will be obese by 2030. To combat this trend and prevent a variety of diseases and their associated societal costs, the Center for Disease Control (CDC) suggests a minimum of 30 minutes of moderate intensity physical activity five days per week. Not only does cycling qualify as "moderate intensity activity," it can also be seamlessly integrated into daily routine, especially if chosen for utilitarian purposes like commuting or running errands. Other health benefits associated with moderate activity, such as cycling, include improved strength and stamina through better heart and lung function. Regular exercise reduces the risk of high blood pressure, heart attacks and strokes. In addition to heart disease, regular exercise can also help to prevent other health problems such as non-insulin dependent diabetes, osteoarthritis and osteoporosis. Lastly, exercise has been shown to improve mental health by relieving symptoms of depression, anxiety and stress.

# **Economic Benefits**

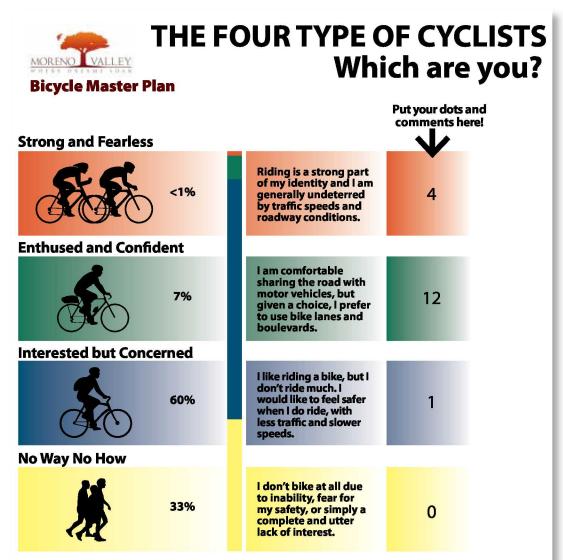
Cycling infrastructure and programs has increasingly been shown to deliver economic benefit to both individuals and society at large. The benefits of cycling may, in fact, outweigh its costs. Cycling, and utilitarian cycling in particular, offers somewhat obvious cost savings to individuals. Beyond the up-front cost of operating a vehicle are additional maintenance, insurance and often parking costs. According to the American Automobile Association, the annual cost of owning a car and driving 15,000 miles a year is now just over \$9,000.

Converting even a fraction of automobile trips to bicycle trips can create significant transportation-related savings as a result of reduced vehicle traffic congestion. Increased cycling also translates to health-related savings, for both individuals and taxpayers, in the form of less need for preventative care. More cycling has also been tied to increases in commercial and residential property values and retail sales. Shoppers who reach their destination by bicycle have been shown to make smaller purchases, but shop more often and spend more money overall. Shoppers who arrive by bicycle, by virtue of their more limited range, are also more likely to support local businesses, and do not require a vehicle parking spot.

Perhaps more compelling than reducing GHG emissions or combating the obesity epidemic is the benefits cycling has to offer in terms of quality of life. Cycling, and especially utilitarian cycling, is increasingly seen as a fun, low-cost, healthy and sustainable way of getting around. How then, can we make it easier for any person to choose a bicycle for his or her daily trips?



In an effort to re-position cycling as a safe and common mode of transportation and increasing the number of people cycling, attention needs to be shifted away from creating "cyclists" and toward making it easier for any person to chose cycling for their everyday trips. Research shows a strong latent interest in cycling among those who identify as "interested, but concerned." (See public workshop graphic below.) These individuals do not identify themselves as "cyclists," but they do not necessarily need to do so to benefit from programs to encourage cycling. While all segments of the population may be encouraged to ride, it is through the encouragement of this "interested, but concerned" segment of the population that the greatest gains in mode share will be made. The field of bicycle planning is being redefined toward this end.



These are commonly used planning descriptions of cyclists.\* How well do they describe you?

\* "Four Types of Cyclists" - Roger Geller, Bicycle Coordinator - Portland Office of Transportation

# 1.4 Methodology

Project methodology depended on local familiarity through field work and community input, as described in the following sections.

## **Field Work**

Initial field work conducted during the spring and summer of 2013 consisted of driving and then cycling to obtain firsthand experience. Subsequent field work later in the year involved examining specific areas of opportunity identified by the community and through existing conditions analysis. Field work, by car, by bicycle and on foot afforded planners a more accurate picture of existing conditions, and included important observations, such as typical user behavior on and in the vicinity of potential bicycle facilities.

## **Community Input**

Community involvement was instrumental in analyzing existing conditions and formulating plan recommendations. Several techniques were employed to gather as much information and as many perceptions as possible, including the development of a website with an on-line survey, stakeholder outreach, comment maps at bicycle shops, press releases, as well as three community workshops.

The community workshops held during the course of this master plan's development were part of an effort to reach out to unique communities of interest, including cyclists, pedestrians and transit users, as well as an initial workshop held on a weekday afternoon to draw participation from regional transportation agency stakeholders. These workshops offered an opportunity to provide educational materials and outreach to attendees. The planning team included two League Certified Instructors (LCIs) to assist those wanting more information and education regarding safe cycling and Spanish translation was made available at all of the workshops.

Two initial public workshops were held on the same day, one for public officials and one for the rest of the community, to address the development of project vision, goals and objectives. Existing facilities, opportunities and constraints were presented to solicit feedback on improvements needed for these facilities and for developing new ones. High-resolution aerial plots of the entire City were placed on tables on which participants could draw and write comments about their knowledge of the local cycling environment. Public comments on the aerial maps and other project boards were gathered to assist in developing recommendations, identifying potential projects and determining the level of community awareness.

The second public workshop presented the results of the data collection effort and needs assessment. Public comments were solicited regarding issues, concerns and recommendations concerning existing and proposed bicycle facilities. Recommended programs and policies were also presented to gather feedback on what the community would like to see to improve Moreno Valley's cycling environment.

The third workshop was held during the final stage of the planning process to present the recommended projects to the public to ensure that the final plan truly reflected community desires and to solicit any final comments for incorporation into the document. In addition, a map of the recommended facilities was displayed at a local bicycle shop between the second and third workshops with an invitation to comment.

A plan website was maintained through the draft phase of the project, on which meeting products and notices were posted. An online survey on the website, was the site's most important contribution to the project. Such surveys have proven valuable because they allow respondents to compose their thoughts at their leisure, often resulting in more comments overall and with more in-depth insight about specific locations than generally provided at public meetings alone. (A summary of community input is included in Appendix C.)





# **1.5 Bikeway Facility Types**

The State of California recognizes three types of bikeway facilities. Also included in this section is information on other "nonstandard" innovative facility types that can be tested by local jurisdictions with Federal Highway Administration (FHWA) and California Traffic Control Device Committee (CTCDC) approval (See "Other Facility Types" on following pages).



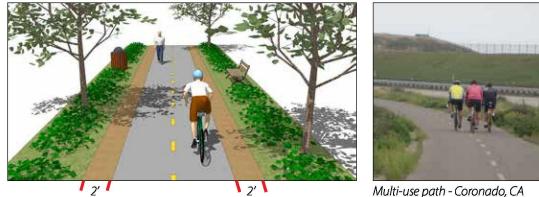
Path connecting Eucalyptus Avenue and Towngate Memorial Park

## **Class 1: Multi-use Paths**

Class 1 multi-use paths (frequently referred to as "bicycle paths") are physically separated from motor vehicle routes, with exclusive rights-of-way for non-motorized users like cyclists and pedestrians and with motor vehicle cross flows kept to a minimum. Where there is the potential for motor vehicles to encroach onto a Class 1 facility from a parallel roadway, a barrier should be provided. Any separation of less than five feet from the pavement edge requires a physical barrier.

Class 1 facilities are often important commuter connections and any proposed paths must be designed for multipurpose use. Paths should be wide enough to accommodate multiple user types. Caltrans requirements call for eight feet minimum paved width with two feet of clear space on each side. Adding two feet of additional width to these facilities to make them 10 feet wide helps prevent pavement edge damage from maintenance or patrol vehicles and accommodates higher use volumes. Depending on anticipated use levels, Class 1 facilities can be built even wider.

Finally, unlike on-street facilities that already have defined minimum design speeds, this is a factor to consider for Class 1 facilities. On relatively flat routes, the minimum design speed is 25 mph.



Edge

Edge 8'- 12' Path



Example protective barriers for Class 1 paths along roadways

## **Class 2: Bicycle Lanes**

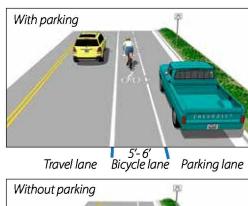
Bicycle lanes provide an exclusive roadway space for cyclists, demarcated through pavement marking and signage. Bicycle lanes must be one-way facilities and carry bicycle traffic in the same direction as the adjacent motor vehicle traffic. They are typically located along the right side of the street, between the adjacent travel lane and curb, road edge or parking lane. This facility type may be located on the left side of one-way streets, or buffered from parked cars or the adjacent travel lane, where space permits. Lastly, contra-flow bicycle lanes may be permitted along one-way streets where two-way bicycle access is desired. Where this occurs, the lane should be marked with a solid, double yellow line and width increased by one foot.



Bicycle lane - Indian Street

Bicycle lanes enable cyclists to ride at their preferred speed, with limited interference from prevailing traffic conditions. These facilities have no barriers or grade separation, which gives cyclists the freedom to leave the facility to avoid debris or overtake a slower cyclist, but offers less protection from moving vehicles and vehicles parking within the lane than other separated facilities. The prohibition of parking within a bicycle lane actually requires regulatory signage and may be further enhanced with colorful lane markings.

Minimum bicycle lane width is four feet where there is no vehicle parking. However, even where roadway width is available, Class 2 bicycle lanes should be no wider than six feet to prevent the appearance of a travel lane that could encourage drivers to drive or park within them. Instead, residual width should be striped as a buffer. A buffer on the travel lane side offers greater separation (distance) from moving traffic and is recommended where there is no vehicle parking. Where there is parking, a buffer between the bicycle lane and the parking offers protection from colliding with suddenly opened car doors, known as "dooring." If parking volume is substantial or turnover is high, an additional one or two feet of buffer width is desirable.





Travel lane Bicycle lane



Buffered bicycle lane - Nason Street



-46-

Finally, in actual practice, bicycle lane placement and widths have been undergoing substantial change as many planners and advocates have come to agree that the current minimums may be inadequate for some situations. Many municipalities now convert extra travel lane space into wider bicycle lanes and associated buffering. Moreno Valley, for example, as streets are resurfaced, has been improving its bicycle lanes on streets without parallel parking by striping them at six feet wide measured from the edge of the gutter pan rather than the accepted standard of measuring five feet from the curb face, which encourages cyclists to ride further away from the seam created by the gutter pan/paving interface.



Bicycle route - Ironwood Avenue



14'-16' shared travel lane

Sign R4-11

Sign D11-1





# **Class 3: Bicycle Routes**

A Class 3 facility is a suggested bicycle route marked by signs designating a preferred route between destinations. They are recommended where traffic volumes and roadway speeds are fairly low (35 mph or less). The designation of a roadway as a Class 3 facility should be based primarily on the advisability of encouraging bicycle use on that particular roadway. While roadways chosen for Class 3 facilities may not be free of problems, they should offer the best balance of safety and convenience of the available alternatives.

Bicycle route guide signs are provided at decision points along designated bicycle routes, including signs to inform cyclists of bicycle route direction changes and confirmation signs for route direction, distance and destination. These signs are repeated at regular intervals so that cyclists entering from side streets will know they are on a bicycle route.

Shared lane markings (SLMs or "sharrows") are an optional signage method to alert drivers to the expected presence of cyclists, as well as to direct cyclists to the proper roadway riding position to avoid "dooring." They are used where posted speed limits are 35 mph or less, with the exception being where there is no other bicycle facility and the right-most travel lane is too narrow to allow drivers to safely pass cyclists.

Sharrows are placed at least 11 feet from the curb, but may be placed farther out, including in the center of the right lane if it is too narrow to accommodate this minimum. On streets without on-street parking and with a right lane less than 14 feet wide, sharrows must be centered four feet from the curb face or pavement edge and at intervals of no more than 250 feet, including immediately after intersections. Sharrows are commonly combined with "Bicycles May Use Full Lane" (BMUFL) signs. (See applicable section on following page for more information.)



Shared lane marking ("Sharrow" or "SLM")

# **Other Facility Types**

There are a number of other "non-standard" facilities that the City may find useful in specific situations.

According to the Federal Highway Administration (FHWA), any treatment intended to regulate, warn or guide traffic (vehicle drivers and cyclists) that serves more than just an aesthetic purpose is considered a traffic control device and regulated at the federal level by the FHWA and are codified in the *Manual* on Uniform Traffic Control Devices (MUTCD). California also has its own version (CA MUTCD), which is overseen by Caltrans and the California Traffic Control Devices Committee (CTCDC). Both MUTCDs are responsible for defining the standards used to install and maintain traffic control devices on all public and private roads open to public traffic. In California, anything not in the CA MUTCD is considered not approved for use on roadways.

For bikeway facilities not yet included in the CA MUTCD, the City should consult Caltrans for locations within State rightof-way or when utilizing BTA funding. For other locations or funding sources, a FHWA request for experimentation is recommended (http://mutcd.fhwa.dot.gov/condexper.htm).

The CA MUTCD states that traffic control devices must conform to California Vehicle Code (CVC) Section 21401, which requires Caltrans to adopt uniform standards and specifications for traffic control devices. Although Caltrans does not control local traffic control devices (unless they are on State facilities) or enforce compliance with the California MUTCD (except indirectly through funding), any agency that installs a noncompliant device, contrary to the CVC, potentially exposes itself to liability. However, the CA MUTCD does provide a means for Caltrans and local agencies to experiment with non-approved devices. The agency can request CTCDC approval prior to experimentation, which is defined as "...research involving testing, evaluating, analyzing or discovering the effect of a specific device, principle, supposition, etc., usually carried out in an operational context." The CTCDC may either approve the device for limited use on an experimental project, approve the device for limited use in a formal research project, disapprove it until further justification is submitted, or disapprove it altogether.

The CA MUTCD provides specific guidelines for experimental proposals, including a detailed description of the experimentation, locations, number of projects, a proposed plan of study, time periods, CTCDC approved-evaluation criteria and reporting. If the experiment results in a proposed change to the CA MUTCD, recommended text should be included.

All proposals must list the agency sponsoring and conducting the study and the name and titles of principal researchers. There must be proof of professional traffic engineering capabilities and other related professional expertise to perform the experimentation and related evaluation processes.

At the end of the experimental period, all installations must be removed, unless the CTCDC grants an extension or permission for continued operation.

Caltrans policy is that all experimental proposals that involve bicycle-related issues are referred to the California Bicycle Advisory Committee (CBAC) for discussion before consideration by the CTCDC. This procedure is not part of the California MUTCD, and CBAC approval is not a condition for CTCDC approval. The State of California recently approved what are essentially embellishments to existing facility types, some of which may prove useful in future recommended projects.

#### **Green Transition Lanes**

One significant change is the FHWA's interim approval for the use of green colored pavement within bicycle lanes in mixing or transition zones, such as at intersections and in other potential conflict zones where motor vehicles may cross a bicycle lane. They are intended to warn drivers to watch for and to yield to cyclists when they encounter them within the painted area. The FHWA found that both drivers and cyclists have a favorable impression of green colored bicycle lanes. Cyclists felt safer while riding on green bicycle lanes, while drivers felt that green bicycle lanes helped increase their awareness of bicycles in the area. FHWA studies have also shown that green bicycle lanes improve cyclist positioning as they travel across intersections and other conflict areas.

Jurisdictions within the State must notify Caltrans before proceeding with green bicycle lane projects because the agency is required to maintain an inventory, but since Caltrans has requested to participate in this interim approval, the process has been streamlined because FHWA experimental treatment protocol is no longer required.



Green transition lane - Alpine Road at I-280, San Mateo, CA



Green transition lane (Simulation with recommended signage) -College Boulevard at I-8, San Diego, CA



#### "Bicycles May Use Full Lane" Sign

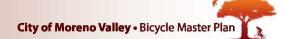
Another important change is a new sign for use along streets designated as Class 3 routes that notify all users that cyclists are allowed to use travel lanes. These read "Bicycles May Use Full Lane" (BMUFL) and are generally placed in conjunction with Shared Lane Markings ("sharrows" or SLMs). These black and white regulatory signs will generally replace the yellow and black "Share the Road" placard, which were merely advisory. These signs, in conjunction with SLMs, allow cyclists to legally "control the lane" (avoid the "door zone") within what the Uniform Vehicle Code (UVC) defines as a substandard width lane, or a "*lane that is too narrow for a bicycle and a vehicle to travel safely side by side within the same lane.*" According to the MUTCD, a BMUFL sign may be used in addition to or instead of a SLM to inform all road users that cyclists may occupy the travel lane.



#### "Shared Road" Sign

While the BMUFL sign is commonly accepted and generally conveys the intended message, recent discussion suggests the use of stronger language ("Shared Road") and accompanying education where appropriate. This phrasing is more powerful because it is a statement of fact and implies legal consequence for violators, while "Bikes May Use Full Lane" and "Share the Road" sound more like cautions. Regardless of the exact language, this type of sign should accompany SLMs. Both education and marketing should be provided to explain any signage and roadway markings new to the community.





#### **Cycle Tracks**

Cycle tracks are exclusive bicycle facilities that combine the user experience of a separated path with the on-street infrastructure of a conventional bicycle lane. A cycle track is both separated from vehicular traffic and from the sidewalk. While there are many different forms of cycle tracks, they all share separation from vehicular travel lanes, parking lanes and sidewalks. Should parking be permitted along a cycle track route, the cycle track is located on the curb side rather than the travel side so that parked vehicles protect cyclists from traffic. Additionally, this design may reduce "dooring" incidences since many trips are drive-alone and the driver will be exiting on the far side of the parking lane away from the cycle track.

Cycle tracks may be one-way or two-way and may be at street level, sidewalk level or an intermediate level. Depending on grade, different design treatments may be required to demarcate a cycle track from the adjacent sidewalk, travel or parking lanes. The physical separation from the roadway can employ parked vehicles, planting areas, bollards, raised lanes or a combination of these elements. These treatments reduce the risk of conflicts between cyclists, pedestrians and parked vehicles. By providing physical separation from traffic, cycle tracks can offer a higher degree of security and are attractive to a broader spectrum of the public.

Cycle tracks may be installed on urban streets with high vehicular volumes and speeds, but to minimize conflicts, selected streets should have long blocks with few to no driveways or other mid-block vehicles access points. Additional signage, traffic control treatments and pavement markings may be needed to direct cyclists along the cycle track and through intersections. Cyclist safety through intersections must be carefully addressed, especially for two-way cycle tracks.



Cycle track (Signage informs left-turning vehicle drivers that cyclists and pedestrians have priority) - Montreal, Quebec

#### **Cycle Tracks in California?**

California law defines "bikeway" to mean all facilities that provide primarily for bicycle travel, and categorizes them into three classes; paths, lanes and routes. At the time of this bicycle master plan preparation, Assembly Bill-1193 (Bikeways), which would designate cycle tracks as Class IV bikeways, had cleared several key assembly and senate committees and appeared to be on its way to passing. If so, cycle tracks are much more likely to be proposed and implemented in California. (See Section 1.7 for more details.)

#### **Bicycle Boulevards**

Bicycle boulevards provide a convenient, low-stress cycling environment for people of all ages and abilities. Bicycle boulevards are installed on streets with low vehicular volumes and speeds and often parallel higher volume, higher speed arterials as an alternative to them. By intention and design, these routes give travel priority to cyclists and they are usually streets with inherently "low-stress" cycling environments that may also provide additional speed and volume management measures to discourage motor vehicle through traffic and promote it for cyclists.

Bicycle boulevards give priority to bicycle traffic by discouraging cut-through vehicle traffic while allowing local access. They improve cyclist comfort and safety by assigning rightof-way to the bicycle boulevard at intersections, with traffic controls to help cyclists cross major roadways, and an overall distinctive look to make cyclists more aware of the existence of the bicycle boulevard that also helps alert vehicle drivers that the street is a priority route for cyclists.

Bicycle boulevards further augment their existing low-stress environments with enhancements such as traffic calming, where speeds are higher than desired, and traffic diversion, where volumes are higher than desired. Bicycle boulevards are intended to support relatively light motor vehicle traffic volumes due of the traffic calming devices often installed to slow or divert vehicle drivers to other more appropriate routes. Traffic diversion and calming have impacts not only on vehicular travel, but can also provide preferential corridors for cyclists and pedestrians through semi-permeable design.

Intersections may have physical diverters with bicycle cutouts that allow cyclists to pass through unimpeded, while allowing vehicle drivers to enter to park or access a property, but without being able to continue. Bollards, raised medians or even miniature parks can be positioned in the roadway to allow for cyclist through traffic while prohibiting it for motor vehicles. Similarly, there are traffic calming devices that slow motor vehicles, but do not significantly affect cyclist speed, including speed humps and speed tables with cut-outs for cyclists, chicanes and traffic circles. Most bicycle boulevards are not striped, but many employ distinctive pavement markings to help identify them. Bicycle boulevards often have higher road surface standards than other streets, and most encourage riders to use the full lane to support parity between cyclists and vehicle drivers. Signage and pavement markings help to identify the route and provide wayfinding, and bicycle-specific signals and detection provide for safe and convenient crossing where the facility crosses high volume roadways.

Consistent with this practice, most employ distinctive pavement markings such as sharrows or other bicycle symbols, and signage to help identify them. The signage and markings not only convey route information and announce the facility as a bicycle priority corridor, they offer the opportunity for placemaking. For maximum convenience and connectivity, bicycle boulevards tend to work best as a part of a network. If the network is dense enough and includes the cyclistprioritizing design elements previously described, it provides a viable alternative transportation network.

Finally, because their traffic calming features improve pedestrian safety, as well as encourage cycling, some cities de-emphasize the bicycle specificity of these routes by designating them as "calmed, green or quiet" streets, or "neighborhood byways or parkways."



Bicycle boulevard - San Luis Obispo, CA

-52-

#### Hybrid (Context-sensitive) Facilities

Hybrid facilities blend components of established facility types to optimize facility design given certain specific existing conditions such as topography, limited right-of-way, traffic volumes and speeds.

For example, where there is insufficient roadway width for Class 2 lanes in both directions, but where one direction clearly requires a higher class facility than the other due to grade, a hybrid facility may offer the best solution. This is generally a Class 2 bicycle lane uphill, where the speed differential between cyclists and motorists is greater, and a Class 3 downhill, where the speed differential is often minimal. (While the speed differential is an important factor in determining the acceptability of a Class 3 facility, the overall posted speed limit is of greater importance. Class 3 facilities are generally not recommended on roadways with posted speed limits higher than 35 mph.)

#### **Paved Paths and Wide Walkways**

Other paved paths and wide walkways are not officially Class 1 facilities. They occur primarily in developed parks and vary in width, but are generally asphalt or concrete up to eight feet wide. Some can be critical connections for current and future bicycle facilities.



Hybrid facility - Class 3 with "Sharrows"/Class 2 lane



Paved path - John F. Kennedy Park

# **1.6 Bicycle Facility State of Practice**

Particularly in the last five years, the state of practice for bicycle facilities in the United States has undergone a significant transformation. Much of this may be attributed to cycling's changing role in the overall transportation system. Once viewed as an "alternative" mode, it is increasingly viewed as a legitimate transportation mode and one that should be actively promoted as a means to achieve air quality targets and provide a more equitable transportation system, among other goals. While connectivity and convenience remain essential bicycle facility quality indicators, recent research indicates that the increased acceptance and practice of daily cycling will require low-stress bicycle facilities. Facility types and specific design interventions intended to encourage ridership among the "interested, but concerned" demographic tend to be those that provide separation from high volume and high speed vehicular traffic. Other measures required to mainstream cycling include seamless bicycle-transit integration, convenient and secure bicycle parking and other end-of-trip facilities that address the "last mile," where many systems fail.

Bicycle facility state of practice is in flux and new and innovative facility details are constantly being refined. The amount of guidance regarding innovative facilities at the local, regional, State and national levels varies. In the case of Californian cities, best practice guidance comes primarily from national organizations such as the American Association of State Highway and Transportation Officials (AASHTO) and the National Association of City Transportation Officials (NACTO), and through the efforts of other cities within California and elsewhere, which have planned, implemented and evaluated such facilities. While bikeway design guidance has traditionally come from the State, especially Caltrans and the California Manual on Uniform Traffic Control Devices (CAMUTCD), this agency and this manual currently offer little in the way of support for innovative facilities. Fortunately, Californian cities may apply for experimental designation from the FHWA for projects not in conformance with the CAMUTCD.

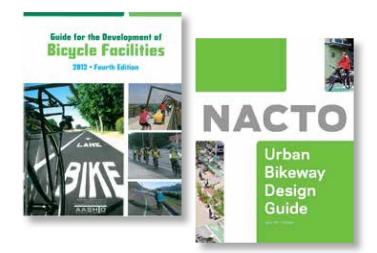
The following section provides a review of the state of practice for bicycle facilities, drawing on the AASHTO and NACTO guides, as well as experiences from California cities and elsewhere. It is followed by a section on the state of practice for Complete Streets at the local, regional, State and national levels.

#### **AASHTO Guide to Bikeway Facilities**

This memorandum expresses the Federal Highway Administration's (FHWA) support for taking a flexible approach to bicycle and pedestrian facility design. The AASHTO bicycle and pedestrian design guides are the primary national resources for planning, designing, and operating bicycle and pedestrian facilities. The NACTO *Urban Bikeway Design Guide* and the Institute of Transportation Engineers (ITE) *Designing Urban Walkable Thoroughfares* guide builds upon the flexibilities provided in the AASHTO guides, which can help communities plan and design safe and convenient facilities for pedestrian and cyclists. FHWA supports the use of these resources to further develop non-motorized transportation networks, particularly in urban areas.

#### NACTO Urban Bikeway Design Guide

The NACTO Guide represents the industry standard for innovative bicycle facilities and treatments in the United States. In April 2014, Caltrans followed AASHTO and officially endorsed the NACTO Guide. It is important to note that virtually all of the design treatments contained (with two exceptions) are permitted under the Federal MUTCD. The NACTO Guide is organized into six sections: Bicycle Lanes, Cycle Tracks, Intersections, Signals, Signing and Marking and Bicycle Boulevards. For each section, it offers three levels of guidance: Required Features, Recommended Features and Optional Features. The following section introduces the broad facility types included in the NACTO Urban Bikeway Design Guide. Further categorization and design details are included in Appendix A: Design Guidelines.





#### Intersections

Complaints about problematic intersections usually rank high in surveys about existing cycling conditions. Specific problems include the disappearance of facilities at intersections, ambiguous right-of-way, poor visibility, difficult turning movements and inadequate signal timing. The NACTO Guide chapter on intersection treatments offers solutions to increase cyclists' comfort by reducing conflicts between cyclists and vehicles. These solutions achieve these goals by heightening visibility between all modes and by denoting clear right-ofway. Specific designs may employ a combination of color, signage, medians, signal detection and pavement markings. Exact designs require a thorough analysis of existing and anticipated use by all modes, as well as consideration of the bicycle facility type used. For example, the treatment of a cycle track at an intersection will be very different than that of a Class 3 bicycle route.

#### Signals

Bicycle signals and beacons facilitate cyclist crossings of roadways and are especially important at large intersections with multiple lanes and turning motions. They make such crossings safer by clarifying when to enter an intersection and by restricting turning movements when appropriate. Bicycle signals are traditional three lens signal heads, with green, yellow and red (bicycle symbol) stenciled lenses. They can be employed at standard signalized intersections and at hybrid beacon crossings. They may be enhanced with signage and pavement markings and activated through either push buttons or in-ground sensors. As with intersection treatments, signal design and timing should address existing and anticipated use and should be appropriate given the facility type and overall roadway context.



#### **Signing and Marking**

Appropriate signing and marking should accompany any treatment or infrastructure intended for bicycle use.

Bicycle signage categories include wayfinding and route signage, regulatory signage and warning signage. Wayfinding signage, for example, is particularly important for navigating bicycle boulevards or other Class 3 routes that may meander or connect to other facilities within a network. Another essential use of regulatory signage is to designate the presence of a Class 2 bicycle lane, because such a bicycle lane, even if marked by roadway stencils, may be used for motor vehicle parking if regulatory signage prohibiting it is not provided. Warning signage is also important where bicycle facilities end, change or expose the cyclist to potential hazards, such as freeway interchanges, rail crossings or rough pavement.

Bikeway markings are any device applied to the pavement surface to designate a specific right-of-way, direction, potential conflict area or route option. The choice of material and its application must be carefully considered for both safety and legibility for all roadway users. For durability and long-term visibility, markings must take into account both driver and cyclist movements in relation to the markings.

#### **Complete Streets and Routine Accommodation**

An adopted bicycle master plan provides a roadmap to support planning and implementing a bicycle network, can help to integrate bicycle planning into broader planning efforts and is required for State funding of bikeway projects.

For many cities, however, a bicycle plan alone is not enough to ensure the implementation of the plan's goals and projects. A hurdle that many cities face is that their various plans are not well integrated. Despite many cities' attempts to support a "Complete Streets approach," entrenched and often contradictory policies can make implementation difficult. For instance, a bicycle master plan, an ADA transition plan and a specific plan may address the same area, but ignore each other's recommendations. One plan may identify a certain project, but it may not be implementable due to prevailing policies and practices that prioritize vehicular flow and parking over other modes.

Bicycle signal heads - Tucson, AZ

# **1.7 Applicable Legislation**

An adopted Complete Streets policy has the potential to address these shortcomings through the designation of some important corridors as Complete Streets, accommodating all roadway users, and other corridors as priority corridors for a certain modes. A system that creates priority corridors for each of the modes, offset from one another, is referred to as a layered network.

Efforts to implement Complete Streets policy often highlight other significant obstacles, chief among them documents defining "significant impacts" to traffic, acceptable vehicular "Level of Service" thresholds and parking requirements. Drafting a Complete Streets policy often means identifying roadblocks like these and ultimately mandating increased flexibility to allow for the creation of a more balanced transportation system. In the case of a bicycle master plan, the network identified could become the bicycle layer. Identification in such a plan, reiteration within a Complete Streets policy framework and exemption from traditional traffic analyses can make implementation of the network more likely and much more affordable.

Legislative support for Complete Streets can be found at the State level (AB-1358) and is currently being developed at the national level (HR-2468). SCAG has announced it will develop a Regional Complete Streets Plan in FY 2014-2015. As explained in further detail in the following section on applicable legislation, AB-1358 requires cities and counties to incorporate Complete Streets in their general plan updates and directs the State Office of Planning Research (OPR) to include Complete Streets principles in its update of guidelines for general plan circulation elements.

Examples of best practices in Complete Streets Policies from around the United States can be found at: *http://www.smart-growthamerica.org/complete-streets-2013-analysis*.

Several pieces of legislation support increased cycling in the State of California. Much of the legislation concerns greenhouse gas (GHG) reduction and employs cycling as a means to achieve GHG reduction targets. Other legislation highlights the intrinsic worth of cycling and treats the safe and convenient accommodation of cyclists as a matter of equity. The most relevant legislative acts for bicycle policy, planning, infrastructure and programs are described below.

# **State Legislation and Policies**

#### **AB-32 Global Warming Solutions Act**

AB-32 calls for the reduction of greenhouse gas emissions and codifies the 2020 emissions reduction goal. This act also directs the California Air Resources Board to develop specific early actions to reduce greenhouse gases while also preparing a scoping plan to identify how best to reach the 2020 limit.

# SB-375 Redesigning Communities to Reduce Greenhouse Gases

This bill seeks to reduce vehicle miles traveled through land use and planning incentives. Key provisions require the larger regional transportation planning agencies to develop more sophisticated transportation planning models, and to use them for the purpose of creating "preferred growth scenarios" in their regional plans that limit greenhouse gas emissions. The bill also provides incentives for local governments to incorporate these preferred growth scenarios into the transportation elements of their general land use plans.

#### **AB-1358 Complete Streets Act**

AB-1358 requires the legislative body of a city or county, upon revision of the circulation element of their general plan, to identify how the jurisdiction will provide for the routine accommodation of all users of the roadway including motorists, pedestrians, cyclists, individuals with disabilities, seniors and users of public transportation. The bill also directs the OPR to amend guidelines for the development of general plan circulation elements so that the building and operation of local transportation facilities safely and conveniently accommodate everyone, regardless of their mode of travel.

# AB-1581 Bicycle and Motorcycle Traffic Signal Actuation

This bill defines a traffic control device as a traffic-actuated signal that displays one or more of its indications in response to the presence of traffic detected by mechanical, visual, electrical or other means. Upon the first placement or replacement of a traffic-actuated signal, the signal would have to be installed and maintained, to the extent feasible and in conformance with professional engineering practices, so as to detect lawful bicycle or motorcycle traffic on the roadway. Caltrans has adopted standards for implementing the legislation.

#### AB-1371 Passing Distance/Three Feet for Safety Act

This statute, widely referred to as the "3 Foot Passing Law," requires drivers to provide at least three feet of clearance when overtaking cyclists. If traffic or roadway conditions prevent drivers from giving cyclists three feet of clearance, they must "slow to a speed that is reasonable and prudent" and wait until they reach a point where passing can occur without endangering the cyclist. Violations are punishable by a \$35 base fine, but drivers who collide with cyclists and injure them in violation of the law will be subject to a \$220 fine. The law is slated to take effect September 14, 2014.

#### SB-743 CEQA Reform

Just as important as the aforementioned pieces of legislation that support increases in cycling infrastructure and accommodation is one that promises to remove a longstanding roadblock to cycling infrastructure and accommodation. That roadblock is vehicular Level of Service (LOS) and the legislation with the potential to remove it is SB-743.

For decades, vehicular congestion has been interpreted as an environmental impact and has often stymied bicycle projects. Projections of degraded Level of Service have, at a minimum, driven up project costs and, at a maximum, precluded projects altogether. SB-743 could completely remove LOS as a measure of car traffic congestion that must be used to analyze environmental impacts under the California Environmental Quality Act (CEQA).

This is extremely important because adequately accommodating cyclists, particularly in built-out environments, often requires reallocation of right-of-way and the potential for increased vehicular congestion. The reframing of Level of Service as a matter of motorist inconvenience, rather than an environmental impact, will allow planners to assess the true impacts of transportation projects and will help support cycling projects that improve mobility for all roadway users.

#### AB-1193 Bikeways

This act would amend various code sections, all relating to bikeways in general, specifically by recognizing a fourth class of bicycle facility, cycle tracks. However, the remaining text may be even more significant to future bikeway development.

Existing law requires Caltrans, in cooperation with county and city governments, to establish minimum safety design criteria for the planning and construction of bikeways, and requires the department to establish uniform specifications and symbols regarding bicycle travel and traffic related matters. Existing law requires all city, county, regional and other local agencies responsible for the development or operation of bikeways or roadways to utilize all of those minimum safety design criteria and uniform specifications and symbols.

This bill would revise these provisions to require the department to establish minimum safety design criteria for each type of bikeway by January 1, 2016, and would also authorize local agencies to utilize different minimum safety criteria if adopted by resolution at a public meeting.

## **Caltrans' Deputy Directive 64-R1**

Deputy Directive 64-R1 is a policy statement affecting Caltrans mobility planning and projects requiring the agency to:

"...provide for the needs of travelers of all ages and abilities in all planning, programming, design, construction, operations, and maintenance activities and products on the State highway system. The Department views all transportation improvements as opportunities to improve safety, access, and mobility for all travelers in California and recognizes bicycle, pedestrian, and transit modes as integral elements of the transportation system."

The directive goes on to mention the environmental, health and economic benefits of more Complete Streets.

# Federal Legislation Safe Streets Act (S-2004/HR-2468)

HR2468 encourages safer streets through policy adoption at the state and regional levels, mirroring an approach already being used in many local jurisdictions, regional agencies and states governments. The bill calls upon all states and metropolitan planning organizations (MPOs) to adopt Safe Streets policies for federally funded construction and roadway improvement projects within two years. Federal legislation will ensure consistency and flexibility in road-building processes and standards at all levels of governance.



# Existing Conditions and Analysis

# 2.1 Existing Plans

This bicycle master plan finds ample support for its facilities and program recommendations in existing adopted plans. The following goals, policies, objectives, programs and facilities establish the framework City staff and decision makers will use to enhance and improve cycling in Moreno Valley. The plans and excerpts included are those most relevant to the bicycle master plan.

## **City of Moreno Valley General Plan**

The General Plan's goals are to achieve a community which:

V. Provides recreational amenities, recreation services and open space, including, but not limited to, parks, multi-use trails, community centers and open space.

VI. Enjoys a circulation system that fosters traffic safety and the efficient movement of motor vehicles, bicycles and pedestrians.

VII. Emphasizes public health and safety, including, but not limited to, police, fire, emergency and animal services and protection from floods and other hazards.

V3. Recognizes the need to conserve natural resources while accommodating growth and development.

#### **Community Development Element**

The Community Development Element of the General Plan sets forth the goal of fostering:

"...an organized, well-designed, high quality and functional balance of urban and rural land uses that will meet the needs of a diverse population, and promote the optimum degree of health, safety well-being and beauty for all areas of the community, while maintaining a sound economic base." To accomplish this balance of urban and rural lands, the plan calls for the provision of:

"...adequate land for present and future urban and economic, while retaining the significant natural features and the rural character and lifestyle of the northeastern portion of the community."

The Community Development Element also states that the City shall:

"...discourage costly 'leap-frog' development patterns by encouraging in-fill development wherever feasible, thereby reducing overall housing costs."

#### Parks, Recreation and Open Space Element Goals, Objectives, Policies and Programs

#### Goal 4.2

To retain an open space system that will conserve natural resources, preserve scenic beauty, promote a healthful atmosphere, provide space for outdoor recreation, and protect the public safety.

#### **Objective 4.2**

Provide safe, affordable and accessible recreation facilities and programs to meet the current and future needs of Moreno Valley's various age and interest groups and promote the provision of private recreational facilities.

#### **Policies:**

4.2.1 Neighborhood parks shall serve as the day-to-day recreational areas of the City; Neighborhood parks should be within a reasonable walking distance of the population served. Community parks may also serve day-to-day recreation needs. That portion of the community and/or regional facilities that provide similar amenities to those found in neighborhood parks shall also be considered as meeting this objective. 4.2.5 Work in conjunction with private and public school districts and other public agencies to facilitate the public use of school grounds and facilities for recreational activities. The City shall also encourage the development of park sites adjacent to school facilities to maximize recreational opportunities in Moreno Valley.

4.2.13 Provide recreation programs and access to facilities at reasonable costs.

4.2.14 Establish linear parks in agreement with public and private utilities, including the State of California along the California Aqueduct, for the use and maintenance of utility corridors and rights-of-way for recreational purposes.

4.2.15 Work closely with Riverside County Parks Department in its open space program to ensure that trail systems within Moreno Valley effectively link open space components.

#### **Objective 4.3**

Develop a hierarchical system of trails which contribute to environmental quality and energy conservation by providing alternatives to motorized vehicular travel and opportunities for recreational equestrian riding, bicycle riding, and hiking, and that connects with major regional trail systems.

#### **Policies:**

4.3.1 The City's network of multiuse trails, including regional trails, community trails, and local feeder trails, shall (1) be integrated with recreational, residential and commercial areas, schools and equestrian centers; (2) provide access to community resources and facilities, and (3) connect urban populations with passage to hillsides, ridgelines, and other scenic areas.

4.3.2 The City shall establish an agreement with public and private utilities for the use and maintenance of utility corridors and rights-of-way for trail purposes.

4.3.8 The City should facilitate the development of a multiuse regional trail system.

4.3.14 Where feasible, use drainage courses, utility rights-ofway and other such opportunities to incorporate trail and open space elements in the design of major development projects.

4-10 Prepare a comprehensive plan of trails that clearly defines the routing of city trails and is part of the General Plan.

# Circulation Element Goals, Objectives, Policies and Programs

#### Goal 5.2

Maintain safe and adequate pedestrian, bicycle, and public transportation systems to provide alternatives to single occupant vehicular travel and to support planned land uses.

#### **Policy 5.3.5 Transportation Demand Management**

The region cannot build its way out of congestion; it has neither the financial resources nor the willingness to bear the environmental impacts of such a strategy.

#### **Objective 5.10**

Encourage bicycling as an alternative to single occupant vehicle travel for the purpose of reducing fuel consumption, traffic congestion, and air pollution. (*The Moreno Bikeway Plan is shown in Figure 9-4.*)

#### **Policies:**

5.10.1 Bikeways shall link residential neighborhood areas with parks, employment centers, civic and commercial areas, and schools.

5.10.2 Integrate bikeways, consistent with the Bikeway Plan, with the circulation system and maintain Class 2 and 3 bikeways as part of the City's street system.

5.10.3 Support bicycle safety programs, and active enforcement of laws relating to the safe operation of bicycles on City streets.

5.10.4 Link local bikeways with existing and planned regional bikeways.

#### **Objective 5.12**

Promote efficient circulation planning for all school sites that will maximize pedestrian safety, and minimize traffic congestion and neighborhood impacts.

#### **Policy:**

5.12.1 Coordinate with school districts to identify suggested pedestrian routes within existing and new subdivisions for school children to walk to and from schools and/or bus stops.

#### **Programs:**

5-10 Support regional projects that improve access to Moreno Valley.

5-11 Work with RCTC, Caltrans, County of Riverside, adjacent jurisdictions and other affected agencies to plan and develop a multi-modal transportation system.



5-12 Coordinate with Caltrans to redesign and reconstruct the SR-60 interchanges with Day Street, Perris Boulevard, Nason Street, Moreno Beach Drive, Redlands Boulevard, Theodore Street and Gilman Springs Road.

5-13 Implement Transportation Demand Management (TDM) strategies that reduce congestion in the peak travel hours.

5-16 Implement programs that mitigate on-street hazards for bicyclists.

5-17 Pursue regional, State and federal grant opportunities to fund design and construction of the City bikeway system.

5-18 Pursue grant funding that supports traffic safety at and in the vicinity of school facilities.

5-19 Work with school districts and private schools to identify school site locations and designs that will minimize traffic impacts and promote traffic safety.

5-21 Work with school districts and private schools to develop and promote traffic safety education programs.

#### **Objective 6.6**

Promote land use patterns that reduce daily automotive trips and reduce trip distance for work, shopping, school, and recreation.

#### **Policies:**

6.6.1 Provide sites for new neighborhood commercial facilities within close proximity to the residential areas they serve.

6.6.2 Provide multi-family residential development sites in close proximity to neighborhood commercial centers in order to encourage pedestrian instead of vehicular travel.

6.6.3 Locate neighborhood parks in close proximity to the appropriate concentration of residents in order to encourage pedestrian and bicycle travel to local recreation areas.

#### **Objective 7.5**

Encourage efficient use of energy resources.

#### **Policies:**

7.5.2 Encourage energy efficient modes of transportation and fixed facilities, including transit, bicycle, equestrian, and pedestrian transportation.

#### **Bicycle Transportation Plan**

The 2006 plan does not overtly state goals, policies and objectives, but does demonstrate implicit support for bicycle programs in Moreno Valley. It begins with a reference to Section 890 of *California Streets and Highway Code*:

"It is the intent of the Legislature, in enacting this article, to establish a bicycle transportation system. It is the further intent of the Legislature that this transportation system shall be designed and developed to achieve the functional commuting needs of the employee, student; business person, and shopper as the foremost consideration in route selection, to have the physical safety of the bicyclist and bicyclist's property as a major planning component, and to have the capacity to accommodate bicyclists of all ages and skills."

It also states that the main purpose of the plan to ensure eligibility for State funding:

"The State has provided a funding program to help implement the bicycle transportation system called for by the above legislation. The program is called "AB1020" for the assembly bill in which it was passed. The AB1020 fund pays a maximum of 90 percent of the cost of an eligible project and each jurisdiction is eligible to receive up to 25 percent of the funds available for any given year. To be eligible to apply for the fund, a jurisdiction must have an approved regionally consistent, Bicycle Transportation Plan. This is the City of Moreno Valley's Bicycle Transportation Plan."

Bicycle Mode Share: Though not stated as a goal, the plan states that "upon completion of the bikeway system and build-out of the General Plan, staff estimates that there will be approximately 13,000 daily bicycle commute trips in Moreno Valley," based on projections from 1998 commute data. The General Plan's Community Development – Land Use Element estimates that by build-out, Moreno Valley's population will have increased to more than 304,000, roughly a 52 percent increase. The current mode share (0.12 percent, which considers only commuters) was calculated from the following Moreno Valley census data:

Total commuters: 37,355

Estimate of cycling commuters: 45

Margin of Error: 38

Considering a consistent commute rate and the projected commute share 6,500 (half of 13,000 trips), the plan estimates a projected commute mode share of approximately 11.45 percent.

C	Current	"At Build Out" (Projected)
Number of Bicycle Commuters	45	6,500
Commute Share	37,355	56,780
Total Population	200,00	0 304,000
	0 1 2 0/	11 450/

Bicycle Commute Mode Share 0.12% 11.45%

The City's 2006 *Bicycle Transportation Plan* also states several objectives related to bicycle programming. It calls for the shared use of "Safe Moves City" in Van Nuys, a training facility for bicycle/pedestrian knowledge and skills. It also directs the school district to incorporate bicycle and pedestrian safety into its curricula and law enforcement to provide bicycle training, including bike rodeos and helmet giveaways. These policies are aligned with this plan's program recommendations. (See Chapter 3: Recommendations.)

#### Non-Motorized Transportation Plan, Western Riverside Council of Governments (WRCOG)

WRCOG's Non-Motorized Transportation Plan calls for the agency to support local jurisdictions in updating their General Plans to ensure compliance with AB-1358, California's Complete Streets Act. More concretely, it states that such updates must:

"...address the provision of a balanced, multimodal transportation network that meets the demand of all users (including pedestrians, bicyclists, children, seniors, and public transit riders) in a manner that is tied to the context (rural, urban, and suburban)."

The Non-Motorized Transportation Plan emphasizes connections of regional significance and lends support for implementing a "sub regional back bone" by 2035. It does so through policies to maximize opportunities to fund bicycle and pedestrian improvements and by encouraging local jurisdictions to use their Measure A Local Streets and Road Funds for bicycle and pedestrian improvements. All jurisdictions in western Riverside County have plans and policies in place for development of a system of routes for bicycling and walking throughout their communities. The *Sub-Regional Non-Motorized Transportation Plan* is intended to provide a framework for key routes and facilities that will ensure connections between communities, major transportation facilities, and nodes of activity. Several WRCOG routes of regional significance go through the City of Moreno Valley, specifically Alessandro Boulevard, Davis Road, Eucalyptus Avenue, Graham Street, Heacock Street, Iris Avenue, Ironwood Avenue, Lasselle Street, Moreno Beach Drive, Redlands Boulevard and Theodore Street.

#### March JPA - Lifecare Campus Specific Plan No. 7

This specific plan represents a comprehensive approach to the planning and development of a sustainable and integrated health care campus on approximately 236 acres within a portion of the former March Air Force Base now under the jurisdiction of the March Joint Powers Authority (JPA). The plan provides text and exhibits describing the proposed campus, including guidance on land use, urban design, multimodal circulation and parking. The plan calls for providing for the convenient and safe movement of private and transit vehicles, pedestrians and cyclists within the campus.

This includes a bicycle circulation element, predicated on accommodating a diversity of users, and a bicycle circulation system based on a two-tiered approach. Experienced cyclists and bicycle commuters may share the travel lane with slow moving vehicular traffic on internal streets.

North of Meyer Drive where a higher volume of traffic is anticipated, a multi-use trail provides an off-street loop for recreational cyclists and those less comfortable riding on the street. Class 1 off-street paths will be provided on the north side of Meyer Drive, east side of March LifeCare Drive, and the west sides of 'CC' Drive and 6th Street. These will connect to Moreno Valley's proposed trails on the south side of Cactus Avenue and on the west side of Heacock Street.

#### **Bicycle Master Plan, City of Riverside**

This plan's objectives and policies were developed from existing bicycle-related objectives and policies contained in the Riverside General Plan 2025 and reflect public input. The goals, objectives and policies cover bicycle facility development, bicycle education and encouragement, system maintenance and regional connections.

Relevant existing and planned bicycle facilities in the City of Riverside include those that make direct connections and those adjacent to Moreno Valley including Alessandro, Sycamore Canyon and Van Buren Boulevards, Eucalyptus and Central Avenues, Meridian Parkway, Box Springs Road and Watkins Drive.

#### **City of Perris Trail Master Plan**

This plan was developed to implement the City's General Plan goals, in particular, Goal IV in the Circulation Element:

"Safe and convenient pedestrian access and non-motorized facilities between residential neighborhoods, parks, open space and schools that service those neighborhoods."

In support of this goal, the plan established objectives, policies and actions.

Relevant existing and planned bicycle facilities in Perris include those that make direct connections and those adjacent to Moreno Valley, such as Evans Road, N. Perris and Harley Knox Boulevards, Redlands, Patterson, Webster and Indian Avenues, Markham and Rider Streets, and Lake Perris Drive. Other relevant planned facilities include flood control paths just west of Lasselle Street, just north of Harley Knox Boulevard and adjacent to Lake Perris Drive.

#### **Alessandro Boulevard Corridor Vision Plan**

This plan provides a blueprint for a mixed use, mixed income, multi-modal corridor, with special emphasis on activity nodes. It states that streets are multi-modal and that the corridor is designed for both efficient traffic flow and pedestrian and commercial activity. The study area included the Alessandro corridor and the properties within a half mile between the Interstate 215 and Nason Street. The plan vision is as follows:

"Alessandro Boulevard is a thriving multi-modal boulevard that connects neighborhoods and employment centers with regional, community and neighborhoodserving retail and services spaced along the corridor in activity nodes. Residents, employees and visitors can walk to the corridor for a variety of needs ranging from personal services to restaurants and groceries."

# **2.2 Existing Facilities and Programs**

## **Roadway System**

Moreno Valley's roadway system is primarily an arterial grid defining "superblocks" of residential streets that rarely connect across the surrounding arterials. Instead, these residential streets often form loops or terminate as cul-de-sacs. In addition, State Highway 60 cuts east-west through the northern portion of Moreno Valley with crossing points limited to a few north-south arterials. Interstate 215 runs along a portion of the western City limit.

# **Existing Bikeway Facilities**

There are substantial east-west Class 3 bicycle route segments and Class 2 bicycle lanes on some arterials, as well as some segments of Class 1 multi-use paths along flood channels. Buffered bicycle lanes have been installed on a portion of Nason Street and the City has been upgrading its lanes when resurfacing streets. Instead of measuring five feet from the curb face, newly repainted lanes are six feet wide measured from the edge of the gutter pan, with the additional width converted from adjacent vehicle travel lanes. Even so, the existing system provides limited connectivity since the facilities are relatively piecemeal (See Figure 2).

# **Bicycle Programs**

26

A Safe Routes to School (SRTS) program is in place at seven elementary and three middle schools in Moreno Valley. The program consists of walking school buses, parent and community volunteers posted along walking paths and volunteer crossing guards. The City also provides suggested route maps online for all elementary schools. According to the school district website, this program has encouraged almost 9,000 students and their parents to walk or bicycle to school.

The City of Moreno Valley provides flexible work schedules, as well as Inland Empire Commuter Incentives through the Riverside County Transportation Commission (RCTC) to reward those switching from single occupancy vehicle trips to other modes, such as bicycling.

Finally, the City and the Inland Empire Biking Alliance's (IEBA) inaugural "Ride MoVal" event in the fall of 2013 consisted of four routes, ranging in distance from five miles to a metric century (62 miles), with proceeds going to Moreno Valley Unified School District sports programs. Organizers plan to make this an annual event along with a possible cyclocross race series. The IEBA also recently initiated a Bicycle Ambassador program.

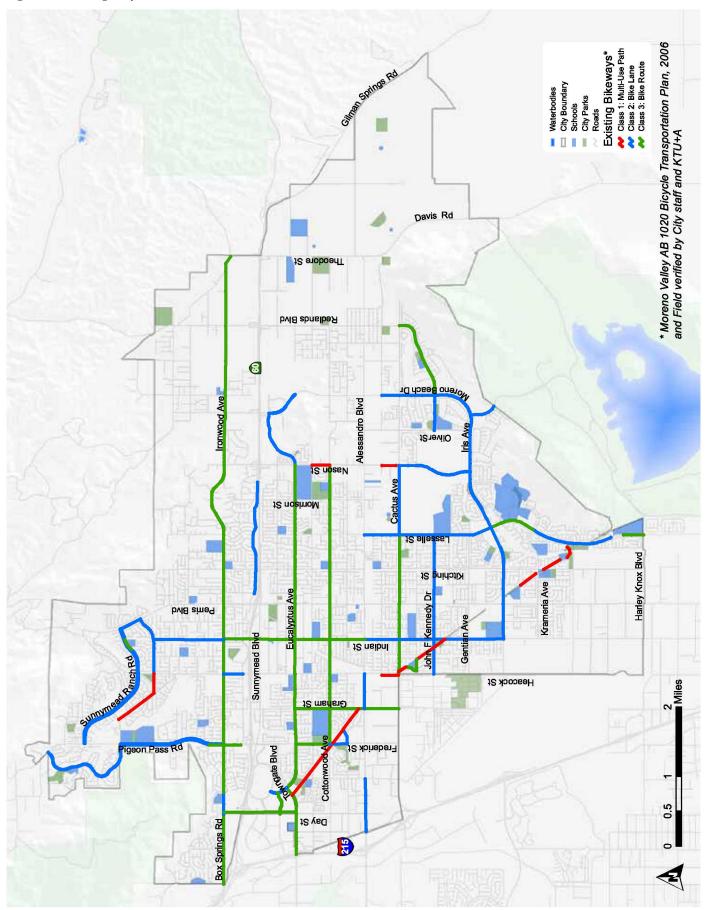
# **Regional Bikeways**

WRCOG maintains a regional bikeway system plan that includes routes within Moreno Valley and connections between it and the surrounding communities and unincorporated areas of Riverside County. Within Moreno Valley, designated WRCOG routes include Davis Road, Alessandro Boulevard, Iris Avenue, Moreno Beach Drive, and segments of Heacock, Graham and Lassalle Streets, Ironwood and Eucalyptus Avenues and Redlands Boulevard.

City of Moreno Valley • Bicycle Master Plan

2

#### **Figure 2: Existing Bicycle Facilities**



# 2.3 Trip Origins and Destinations

*California Streets and Highways (S&H) Code* Section 891.2 specifies the required components of a city's bicycle transportation plan that make it eligible for the Caltrans approval needed before the city may apply for federal grant funding for bikeway projects. Among the required items is:

"(b) A map and description of existing and proposed land use and settlement patterns which shall include, but not be limited to, locations of residential neighborhoods, schools, shopping centers, public buildings, and major employment centers."

These components are described further in the following paragraphs and accompanying maps on the following pages.

## Land Use

Moreno Valley's land use follows a typical pattern, with most office, commercial and retail functions focused along major arterial corridors and freeways. Single family residential development occupies the bulk of the superblocks between the arterials, but this is interspersed with substantial multi-family zoning. In general, residential density is lower in the eastern reaches of the City compared to the western, where there are significant areas zoned for 15 and 20 dwelling units per acre. There is also a swath of medium density residential zoning of primarily 10 units per acre along the southern City boundary adjacent to open space bordering Lake Perris State Recreation Area (See Figure 3).

There are large swaths of business park/light industrial zoning immediately north and east of March Air Reserve Base in the southwest portion of the City, as well as along the eastern City limit and adjacent to SR-60 on the south side of the freeway. There is also a substantial amount of office zoning immediately north of the freeway in this area.

Open space is concentrated around the outskirts of the City, with the largest area bordering Lake Perris State Recreation Area to the south, as well as an area to the northeast. Other open space areas are scattered across the City, including one in close proximity to Riverside County's Box Springs Mountain Park to the northwest. Parks are distributed across the City.

Planned land use is not expected to change in the near future, but it should be noted that in an eastern portion of Moreno Valley zoned for business park/light industrial uses, a distribution complex is being planned that will occupy an area large enough to drive localized street reconfiguration.

# **Population and Employment Density**

Moreno Valley's relatively low overall population density reflects its largest land use of single family residential distributed fairly evenly across the City. However, the western half has higher density than the eastern half and contains substantial multi-block areas with densities exceeding 15 persons per acre (See Figures 4 and 5).

Employment density is more variable, but concentrated within the western half of the City, particularly between March Air Reserve Base and State Route 60. There are a few small employment pockets scattered across the eastern half of the City, but these are very limited compared to the concentrations within the western half.

# **Activity Centers**

The California Streets and Highways Code Section 891.2 requirement to account for "...schools, shopping centers, public buildings..." is addressed in most plans as "activity centers," since these are all entities that currently or could potentially draw and supply bikeway system users.

Activity centers are defined as a community's major employers, office buildings, industrial sites, government sites, retail centers, hospitals, major attractions, colleges, universities, schools or parks and open space. The commercial and retail activity centers can also be regarded as employment centers because, in addition to the customers that constitute typical activity center users, they also represent significant numbers of employees. The civic activity centers include Moreno Valley's parks and schools (See Figure 6).

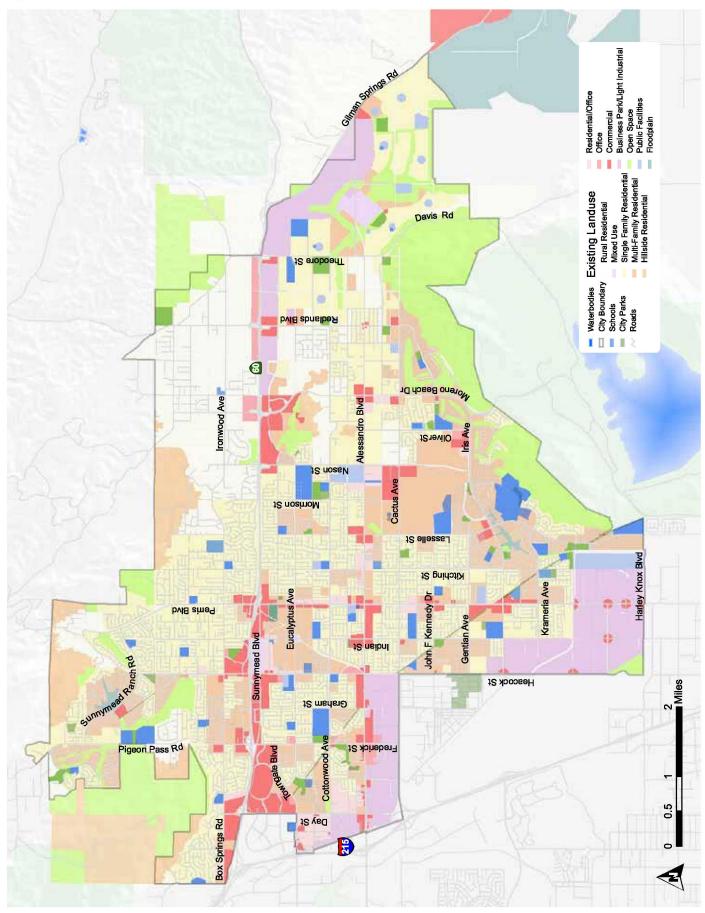
These centers particularly define trip origins and destinations, and generally include residential areas, employment centers, parks, schools and civic centers.

Within Moreno Valley, most retail and other consumer service centers, major employers, office complexes and industrial sites are clustered in specific areas generally associated with major thoroughfares. In relation to this, employment density can be an indicator of bikeway facility demand in terms of commuting trips, but it is also an indicator for shopping trips, especially to areas with concentrations of retail and service businesses. Taken as a whole, activity centers are fairly evenly distributed across the City.

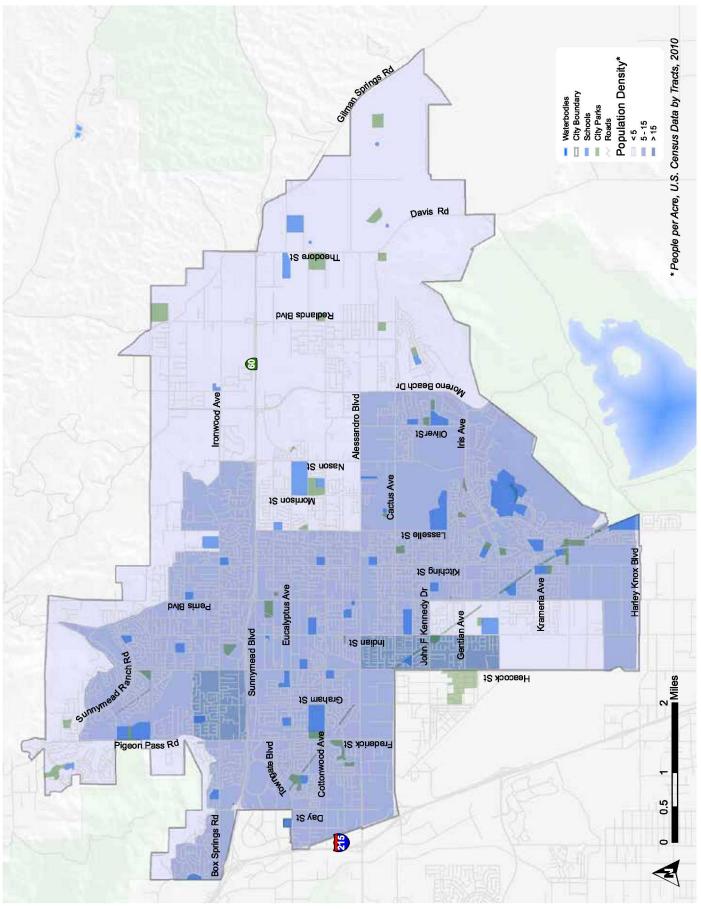
City of Moreno Valley • Bicycle Master Plan

2

#### Figure 3: Land Use



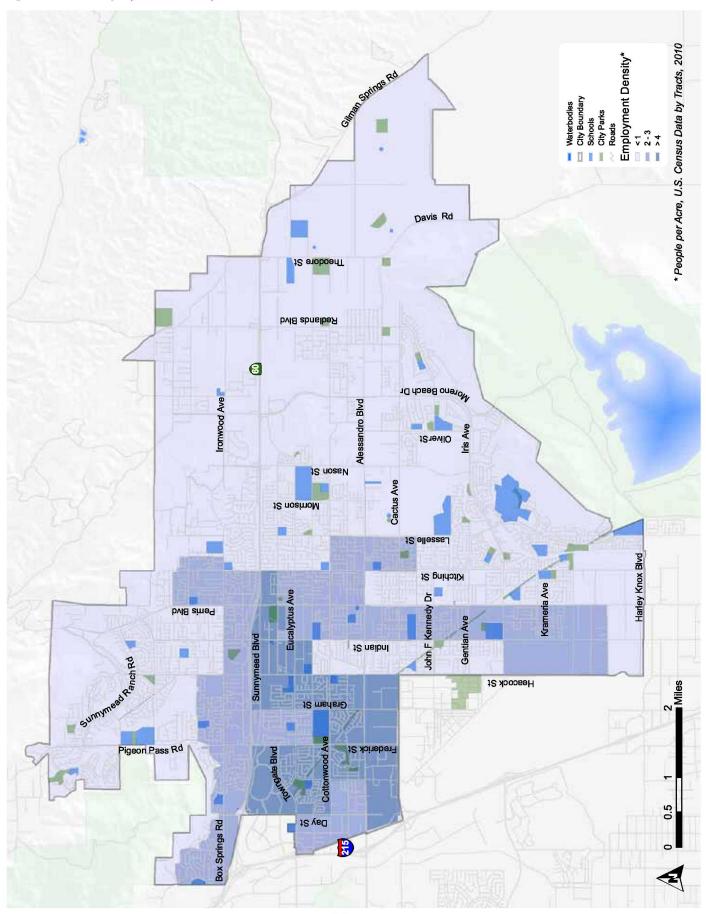
#### Figure 4: 2000 Population Density



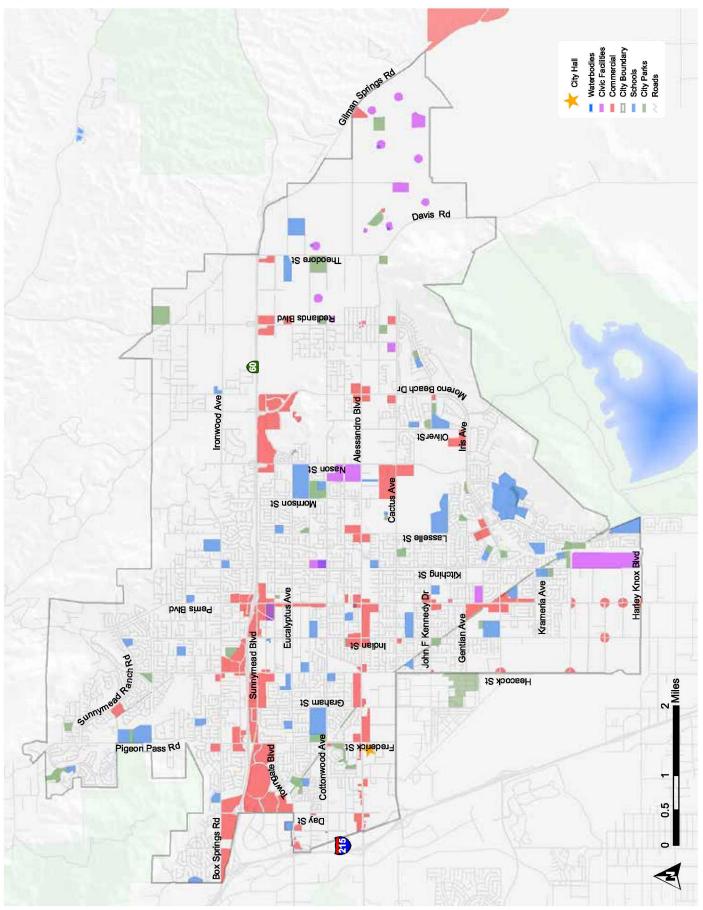
City of Moreno Valley • Bicycle Master Plan

2

#### Figure 5: 2000 Employment Density



#### **Figure 6: Activity Centers**





#### **Employment Centers**

Employment centers include the retail complexes along major arterials and the office and commercial complexes primarily along State Route 60. Other employment centers include the education sites such as Moreno Valley College campus, and medical complexes such as the Riverside County Regional Hospital on Nason Street near the City center and the Moreno Valley Community Hospital on Iris Avenue.

Though not within the City limits, another significant employment center is March Air Reserve Base at the southwest corner of Moreno Valley abutting the City of Perris and Interstate 215. Another potentially significant employment center is planned for the eastern edge of the City just north of the San Jacinto Wildlife Area. The World Logistics Center development will encompass almost 4,000 acres. According to the project website:

"Vehicles will be directed to utilize specific lanes and access points, and will use the dedicated internal streets, minimizing overlap with existing streets."

#### Parks/Schools/Civic Centers

The Moreno Valley Parks and Community Services Department maintains 30 park facilities distributed across the City, from small neighborhood parks to large sports parks with lighted fields.

Lake Perris State Recreation Area borders the City on the southeast. Other open space areas within and immediately adjacent to Moreno Valley may represent opportunities for expanded bikeway connections. In particular is the Lake Perris State Recreation Area's paved route that nearly encircles the lake and plans to complete the loop that will make this even more popular as a recreational and training route. A number of natural surface trails crisscross the recreation area, ranging from wide equestrian-oriented paths on the lower slopes to challenging singletrack trails further up the sides of the hills.

Moreno Valley supports 23 elementary schools, six middle schools, five high schools, six alternative schools and a community college. These make up a significant portion of the overall activity center mapping, second in total acreage to the commercial category.

## **Origin and Destination Summary**

A number of factors drive bikeway facility recommendations and this chapter's maps illustrate factors analyzed for this plan and required by the bicycle master planning statute, California Streets and Highways Code Section 891.2. Besides required factors such as land use, existing and future population and employment density and activity centers, this plan's analysis also addressed public transit availability and overall safety (See following sections).

In general, Moreno Valley represents a typical southern California suburban development pattern since it is primarily made up of fairly low density single family development on generally discontinuous residential streets within an overlay of arterial superblocks, as well as two freeways.

Overall, the locally generally flat topography that probably drove development of the conventional suburban street grid also provides opportunities for multiple routes between typical destinations, such as housing and employment. However, within the current system, not all activity centers are within a reasonable distance of bicycle facilities.



Popular destinations: Schools and parks

# 2.4 Transit Connections

Physically linking bicycle infrastructure and transit services helps to expand travel options and mobility for cyclists, extending potential trip distances beyond a typical cycling range. These connections also enhance overall mobility and can encourage residents to make more trips using alternative modes of transportation. Recognizing the mobility benefits that come from improving connections between bicycles and transit, this section details a series of recommendations and best practices to encourage and improve active transportation connections to transit.

Improving these connections, and in turn local and regional mobility, is a key objective in the 2012 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) prepared by the Southern California Association of Governments (SCAG). SCAG has also placed a specific focus on improving active transportation access to and from transit stations and stops, focusing on extending the access shed for transit services. As part of the bicycle master plan, Moreno Valley is focused on improving access to local and regional transit opportunities in the community as the City looks to contribute its fair share towards regional goals for reducing vehicle miles traveled (VMT) and greenhouse gas (GHG) emissions. Linking bicycle routes and infrastructure to transit services expands the potential travel distance for cyclists and can help to encourage increased cycling and transit usage for commute and non-commute trips.

There are a range of local, regional and inter-regional transit services available to Moreno Valley residents, providing connections between attractions and destinations within the City and into adjacent communities in western Riverside County. Existing and planned transit services include the following:

- The Riverside Transit Agency (RTA) is responsible for providing local and regional bus service within the City.
- The Southern California Regional Rail Authority (SCRRA) operates Metrolink commuter rail services currently to downtown Riverside. SCRRA plans to extend commuter rail service from its existing location in downtown Riverside to Perris by 2015 and this extension will include a Moreno Valley station.
- Amtrak thruway bus service provides long-distance travel services with a stop in Moreno Valley along a route connecting Bakersfield and Hemet.

# **Riverside Transit Agency**

RTA is the local and regional bus provider for Western Riverside County, responsible for operating 36 fixed routes, eight CommuterLink express bus routes, and Dial-A-Ride services using 266 vehicles. In 2013, the agency served 9.3 million riders. RTA routes 11, 16, 18, 19, 20, 35, 41, 208 and 210 service Moreno Valley. Figure 7a depicts the RTA routes that currently operate in Moreno Valley. Figure 7b shows the bus stops locations, as well as major transfer points between routes. Table 1 identifies the frequency, span of service, and key destinations served by these bus routes.

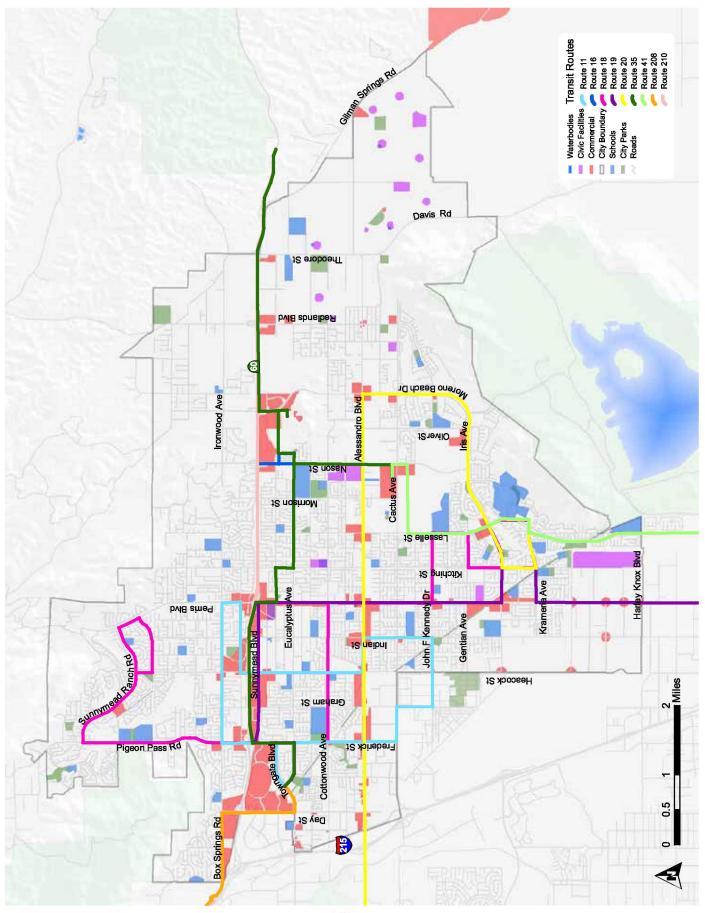
The following list presents the total monthly ridership by route for the month of February 2014. Note that this information is for the full route, and many routes include sections outside Moreno Valley:

- Route 11 Moreno Valley Mall, March ARB, Alessandro and Ellsworth: 15,861 riders monthly
- Route 16 Riverside Downtown Terminal to Moreno Valley Mall: 62,335 riders monthly
- Route 18 Sunnymead Ranch to Moreno Valley College: 17,714 riders monthly
- Route 19 Moreno Valley Mall to Perris Station Transit Center, Trumble Road: 45,751 riders monthly
- Route 20 Magnolia Center, RCR Med Center, Moreno Valley Community Hospital, Moreno Valley College: 25,647 riders monthly
- Route 35 Beaumont/Banning to Moreno Valley Mall: 5,623 riders monthly
- Route 41 Mead Valley Community Center to Moreno Valley College and RCRMC: 9,382 riders monthly
- Route 208 (Commuter Link) Temecula, Murrieta, Sun City, Perris, Moreno Valley, Riverside-Downtown Metrolink Station, Downtown Riverside: 3,846 riders monthly
- Route 210 (Commuter Line) Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside: 598 riders monthly

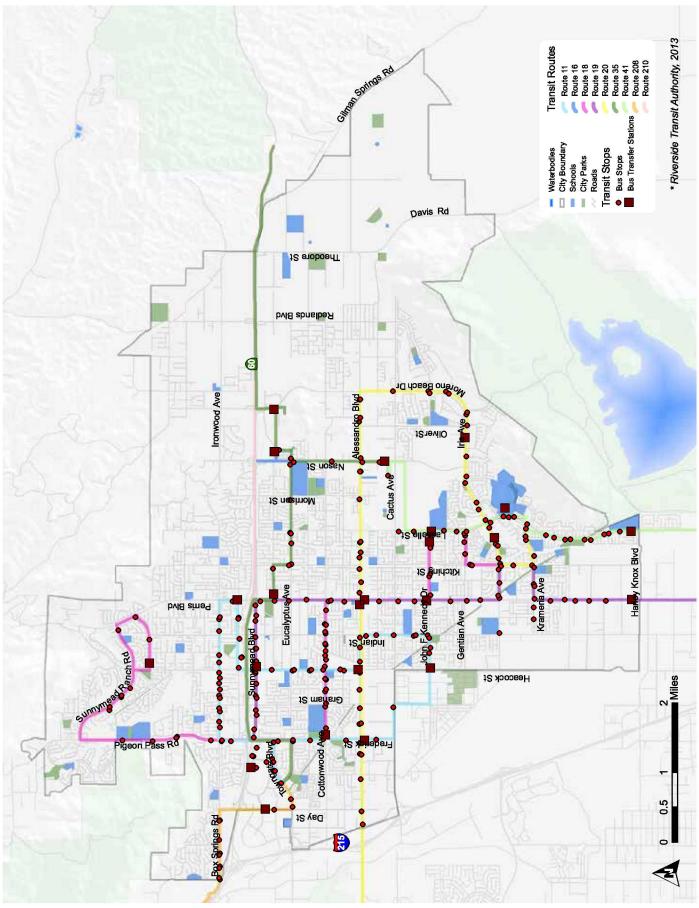
Figure 8 illustrates the level of public transportation to work based on responses from the 2010 U.S. Census.

2

### Figure 7a: RTA Bus Routes in Moreno Valley



### Figure 7b: Bus Stops

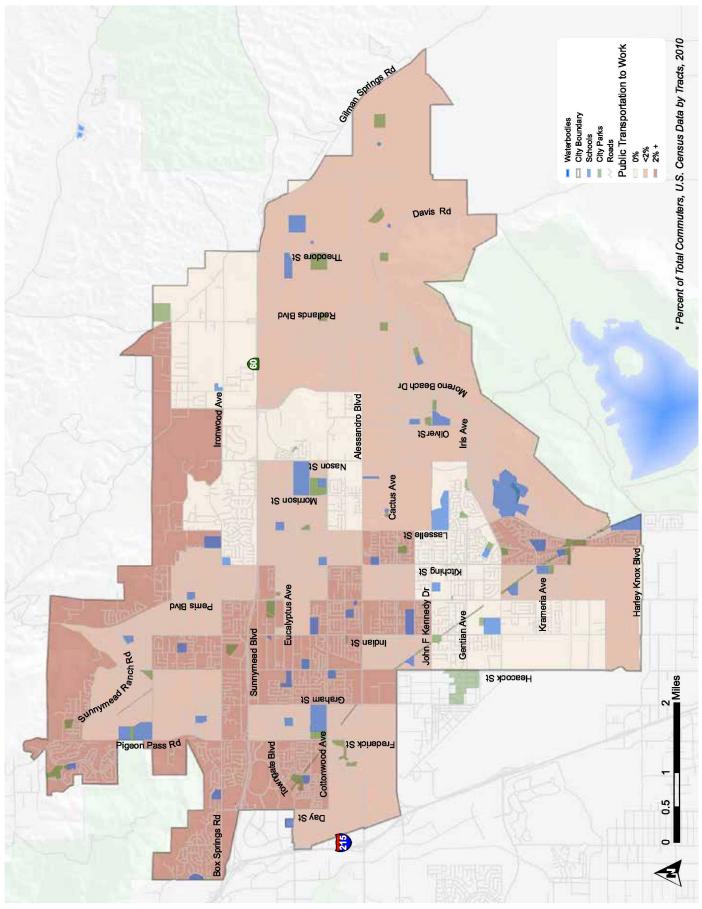


1

#### **Table 1: Bus Route Details**

Route #	Route Name		Weekday	Weekend	Transfer Stops
11		Frequency (min)	60	60	Moreno Valley Mall
	Moreno Valley Mall, March ARB,	Span of Service	5:30am - 10pm	8:30am - 7:45pm	Perris & Hemlock
	Alessandro & Elsworth				Alessandro & Heacock
					Meyer Dr & 6th St
					Frederick & Alessandro
					Moreno Valley Mall
		Farmer and Zerlay	20	20	Diverside Deverteure Terminal
40	Riverside Downtown Terminal to Moreno	Frequency (min)	30	30	Riverside Downtown Terminal
16	Valley Mall	Span of Service	4:15am - 11:15pm	6:30am - 9:00pm	Riverside-Downtown Metrolink Station
	Construction - Sourcessar				UCR at Campus Dr Moreno Valley Mall
		Frequency (min)	60	60	Moreno Valley College
		Span of Service	6:00am - 10pm	7:45am - 7:45pm	asselle & IEK
18	Sunnymead Ranch to Moreno valley		0.000iii 10piii	7touin 7topin	Alessandro & Perris
	college				Cottonwood & Frederick
					Moreno Valley Mall
					Heacock & Manzanita
		Frequency (min)	50	50	Trumble Rd at Exceed
		Span of Service	4:00am - 10:45pm	6:15am - 8:45pm	Perris Station Transit Center
		Sunday span of service			Ross/Lowe's/Starcrest
19	Moreno Valley Mall to Perris Station Transit				Perris & Ramona Exp.
	Center – Trumble Road				Moreno Valley College
					Alessandro & Perris
					Sunnymeade & Heacock
					Moreno Valley Mall
		Frequency (min)	50		Magnolia & Elizabeth
	Magnolia Center, RCR Med Center,	Span of Service	5:20am - 9:45pm		Mission Grove at Social Security
20	Moreno Valley Comm Hospital, Moreno	Sunday span of service		7:15am - 8:00pm	Alessandro & Frederick
20	Valley College				Alessandro & Perris
	Valiey College				RCRMC (nason and Brodiaea)
					Iris at Kaiser Permanente Hospital
					Moreno Valley College
					Iris & Peninsula
		Frequency (min)	65	N/A	Moreno Valley Mall
		Span of Service	6:15am - 7:30pm	N/A	Moreno Valley Senior Center
35	Beaumont/Banning to Moreno Valley Mall				RCRMC Moreno Valley
					Super Walmart at Moreno Beach Dr
					Banning Kmart Sun Lakes
		Francisco (mla)	60	45	Maad Valley Community Conter
		Frequency (min) Span of Service	60 5:00am - 7:00pm		Mead Valley Community Center Ross/Lowe's/Starcrest
		Span of Service	5.00am - 7.00pm	6.00am - 7.00pm	Perris & Ramona Expressway
41	Mead Valley Community Center to Moreno				Lasselle & Via DeAnza
	Valley College and RCRMC				Moreno Valley College
					JFK College
					JFK & Lasselle
					RCRMC Moreno Valley
			Northbound		Promenade Mall
		Frequency (min)	60	70	Los Alamos & Whitewood
		Span of Service	- 6:45am & 2:30pm -		Cherry Hills & Bradley
	(Commuter Link) Temecula, Murrieta, Sun City, Perris, Moreno Valley, Riverside- Downtown Metrolink Station, Downtown Riverside	Span of Service	- 0.45am & 2.50pm -	5.00am = 6.15pm	Perris Station Transit Center
208					Moreno Valley Mall
200					Sycamore Canyon & Eastridge
	Kiversiae				UCR Lot 30 & Canyon Crest
					Riverside-Downtown Metrolink Station
					Riverside Downtown Terminal
	Polm Doport Theward Policy Mars		60	20	Beaumont Walmart
	Palm Desert, Thousand Palms, Morongo	Frequency (min)	60	20	
210	Casino, Banning, Beaumont, Moreno	Frequency (min) Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown				Moreno Valley Mall
210	Casino, Banning, Beaumont, Moreno				Moreno Valley Mall UCR Lot 30 & Canyon Crest
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown				Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Statior
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown				Moreno Valley Mall UCR Lot 30 & Canyon Crest
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown				Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Statior
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown				Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore
	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo
210	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo Beaumont Walmart
	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm 15 5:15pm - 9:00pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo Beaumont Walmart Fir & Nason
	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm 15 5:15pm - 9:00pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo Beaumont Walmart Fir & Nason Moreno Valley Mall
	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm 15 5:15pm - 9:00pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo Beaumont Walmart Fir & Nason Moreno Valley Mall UCR Lot 30 & Canyon Crest
	Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown Metrolink Station, Downtown Riverside Palm Desert, Thousand Palms, Morongo Casino, Banning, Beaumont, Moreno Valley, UCR, Riverside-Downtown	Span of Service	3:45am - 6:15am	6:00pm - 7:30pm 15 5:15pm - 9:00pm	Moreno Valley Mall UCR Lot 30 & Canyon Crest Riverside-Downtown Metrolink Station Riverside Downtown Terminal Town Center Way & Hahn Monterey & Dinah Shore Casino Morongo Beaumont Walmart Fir & Nason Moreno Valley Mall

### **Figure 8: Public Transportation to Work Density**



## 2.5 Safety Analysis

### Metrolink

Metrolink plans an extension of the Riverside 91 Line commuter rail service from its current terminus in Downtown Riverside to Perris, via Moreno Valley. This 24 mile addition will connect Perris to the Downtown Riverside Metrolink station with four new stations located at Riverside Hunter Park, Moreno Valley/March Field, Downtown Perris and South Perris. Completion of this extension is expected in late 2015.

The planned stop at the Moreno Valley/March Field Station will provide service to the Meridian Business Park, UC Path Center and March Air Reserve Base. The station is planned to be located at Alessandro Boulevard just west of Interstate 215.

### **Amtrak Bus Service**

Amtrak provides an intercity thruway bus service in Moreno Valley connecting Bakersfield and Hemet. The Moreno Valley stop is located on Alessandro Boulevard west of Interstate 215.

### **Bicycle Collisions**

Bicycle collision data were obtained from the City of Moreno Valley for reported bicycle/vehicle-related and bicycle/ pedestrian-related collisions from 2007 through 2012. Collisions on off-street paths are not included in the data. Collisions involving cyclists, whether they involve vehicles, other cyclists, or pedestrians, are generally under-reported, so bicycle collisions are likely to have occurred that were not included as part of this data.

There were 226 bicycle/vehicle-related collisions during this five year period. Of these reported collisions, five were fatal. The data were reviewed in terms of collision volume at intersections and on road segments. This data was used to assist in prioritizing projects in later phases. Cycling collisions were also summarized to identify other trends that may help to determine where and what type of physical treatment or education program can be recommended.

Bicycle collision history was considered when developing both infrastructure and programmatic recommendations. While the official causes of bicycle collisions are almost always attributed to the behavior of either the cyclist or another roadway user (typically a vehicle driver), both physical roadway changes and educational programs can have a corrective influence over the behavioral causes of bicycle collisions. In the following chapter, infrastructure improvements are recommended at high collision intersections and roadway segments wherever possible. In other cases, improvements to the citywide bicycle network will provide cyclists with alternatives to problematic intersections or roadway segments.

#### **Table 2: Bicycle Collisions by Day of Week**

Day	Collisions
Monday	42
Tuesday	45
Wednesday	33
Thursday	22
Friday	38
Saturday	28
Sunday	18

#### **Table 3: Bicycle Collisions by Time of Day** Weekday Weekend Collisions **Time of Day** 12am - 3am 2 0 2 3am - 6am 0 1 1 2 37 6am - 9am 35 15 13 28 9am - Noon 40 48 8 Noon - 3pm 9 3pm - 6pm 49 58 11 44 6pm - 9pm 33 9pm - Midnight 6 2 8

Note: There is a higher rate of bicycle collisions during the week and during commuting hours. This may correlate with higher vehicular traffic, as well as higher numbers of cyclists on the road. In either case, this may indicate commuter cyclists should be the focus of safety efforts.

### Table 5: Bicycle Collisions by Year

Year	Collisions
2007	29
2008	33
2009	31
2010	30
2011	47
2012	52

Note: There has been a generally steady increase in bicycle collisions in the six years studied.

### Table 7: Bicycle Collisions by Road Segment

Road Segment	Collisions
Perris Blvd	24
Alessandro Blvd	23
Lasselle St	19
Heacock St	14
Eucalytpus	12
Sunnymead Blvd	12
Iris Ave	10
Dracaea Ave	7
Hemlock Ave	7

#### **Table 4: Bicycle Collisions by Light Conditions**

Lighting	Collisions	
Dark - Street Lights	39	
Daylight	177	
Dusk - Dawn	10	

#### Table 6: Bicycle Collisions by Severity

Severity	Collisions	
Fatal	5	
Injury - Complaint of Pain	95	
Other Visible Injury	94	
Property	23	
Severe Injury	8	

### Table 8: Bicycle Collisions by Intersection

Intersection	Collisions
Lasselle St and Iris Ave	7
Alessandro Blvd and Graham St	6
Perris Blvd and Sunnymead Blvd	4
Alessandro Blvd and Alessandro Plaza	3
Alessandro Blvd and Indian St	3
Alessandro Blvd and Perris Blvd	3
Dracaea Ave and Perris Blvd	3
Hemlock Ave and Pigeon Pass Rd	3
Iris Ave and Lasselle St	3
Sunnymead Blvd and Graham St	3
Sunnymead Blvd and Perris Blvd	3

Note: 89 percent of bicycle collisions occurred at intersections.

### Table 9: Bicycle Collisions by Bicyclist Age

Age Group	Collisions
0-9	10
10-14	58
15-18	54
19-64	80
65+	10
Unknown	14

Note: 58 percent of all cyclists involved in collisions were 18 or under.

### Table 10: Bicycle Collisions by Time of Day and Age

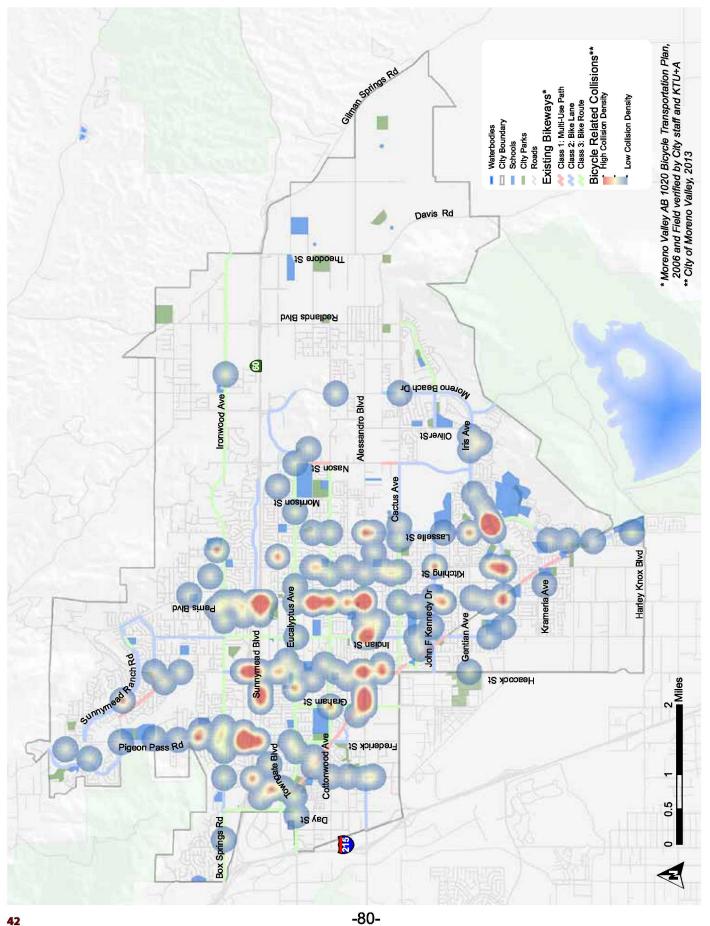
Time of Day	< 18	19 +	Collisions
12am - 3am	-	2	2
3am - 6am	-	1	1
6am - 9am	25	11	37
9am - Noon	11	16	28
Noon - 3pm	23	25	48
3pm - 6pm	28	30	58
6pm - 9pm	28	16	44
9pm - Midnight	2	6	8

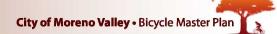
Primary Collision Factor	Collisions
Wrong Side of Road	56
Auto R/W Violation	44
Improper Passing	25
Other Improper Driving	23
Traffic Signals and Signs	21
Other	16
Unknown	14
Driving Under Influence	7
Unsafe Speed	4
Other Hazardous Movement	4
Unsafe Starting or Backing	2
Pedestrian Violation	2
Pedestrian R/W Violation	2
Other Than Driver	2
Unsafe Lane Change	1
Pedestrian or Other Under Influence	1
Other Equipment	1
Impeding Traffic	1

#### Table 11: Bicycle Collisions by Vehicle Code Violation

Note: Many of these violations occurred due to incorrect roadway positioning or drivers and cyclists not following the rules of the road.

### **Figure 9: Bicycle-Related Collisions**





## **Typical Constraints to Cycling**

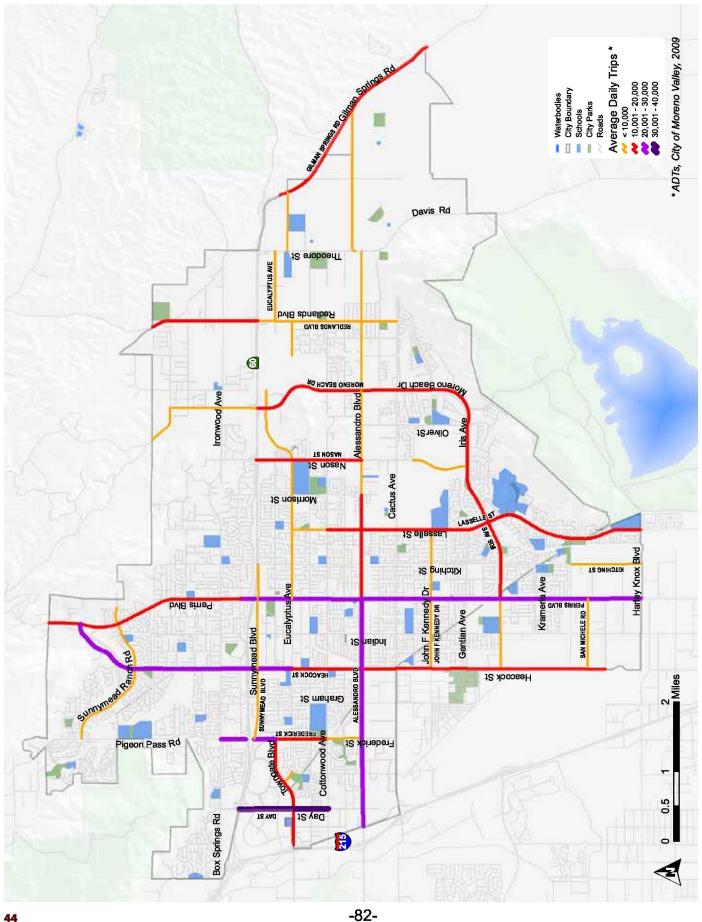
Studies show that most cyclists tend to prefer roadways with relatively low motor vehicle traffic volumes and speeds. Regular bicycle commuters are probably the least likely to be deterred from using more heavily traveled routes, especially if they are the most direct available. However, when given a choice, even these riders are likely to choose quieter, less traveled routes as long as they do not take them too far out of their way. Recent studies have also shown that women, in particular, are more likely to go somewhat out of their way to avoid uncomfortably high vehicle volumes and speeds.

For this reason, average daily vehicle trips (ADVTs) and posted speed limits are routinely mapped for bikeway planning purposes and were also analyzed for Moreno Valley and illustrated on the next two pages.

Within the context of bicycle and pedestrian facility planning, the FHWA defines high traffic volumes as more than 12,000 vehicles per day. In addition, it is generally discouraged to have cyclists share the roadway with vehicles where posted speed limits exceed 35 mph.

Some of the Moreno Valley's major roadways have both the highest volumes and posted speed limits, but do not have bicycle facilities. While experienced cyclists are generally not deterred by adjacent motor vehicle speeds and volumes where bicycle lanes are available, having to share the roadway becomes a concern where facilities do not exist. Less experienced cyclists are more likely to find such conditions very uncomfortable and may be less likely to use high volume streets. They will tend to ride on alternative streets, preferably adjacent to and parallel with the more heavily trafficked routes they are trying to avoid, provided such routes are available.

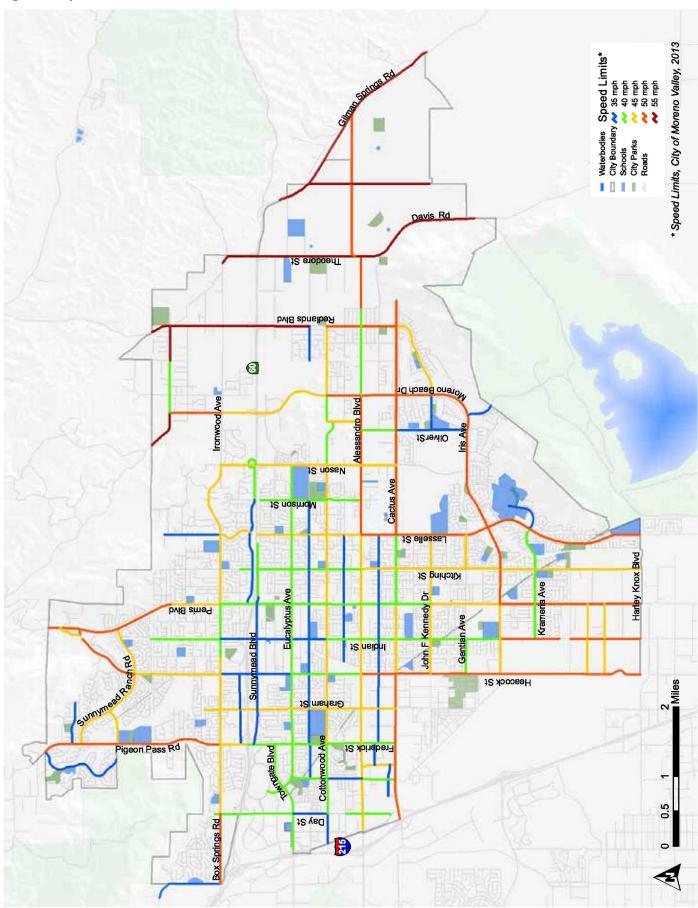
### **Figure 10: Average Daily Vehicle Trips**



City of Moreno Valley • Bicycle Master Plan

2

#### **Figure 11: Speed Limits**



### **Facility Criteria Analysis and Feasibility**

A list of proposed bicycle facilities was developed with the goal of improving connectivity and generally expanding the dedicated bicycle network. Existing conditions, field observations and public input were all considered. The proposed facilities were then assessed for feasibility and split into the four following categories:

- · Class 1 Multi-use Paths dedicated off-street facilities
- Class 2 Bicycle Lanes marked and signed lanes in roadways
- Class 3 Bicycle Routes signage (and lane markings) indicating that cyclists may share roadway space
- Bicycle Boulevards long roadway segments featuring modifications to improve bicycle flow that do not also increase vehicular flow

The facilities were assessed against criteria specific to the facility type they represented. In some cases, they were assessed against other facility types to determine if a facility could be upgraded. The criteria are described in the follow sections.

### **Class 1 Multi-use Paths**

The typical width and horizontal clearance were measured using high-resolution aerial photos for segments where there appeared to be constraining factors. This data collection was then supplemented with on-site field work. The minimum width for a Class 1 path was considered to be 10 feet for this study, with at least two feet of clearance from obstructions on each side. Crossings at streets or physical barriers were also assessed and special considerations noted.

### **Class 2 Bicycle Lanes**

Feasibility was determined by comparing the actual curbto-curb roadway width with the minimum width necessary to support the current number of lanes plus five foot bicycle lanes in each direction. For this analysis, the minimum lane widths were considered to be 10 feet for through/turn lanes, and 12 feet for lanes adjacent to curbs. Where parking was permitted, eight feet was added to the total lane width. Painted medians and two-way left turn lanes were considered to be through/turn lanes in most cases. Raised medians and curb lines were considered to be static. These analyses assume that no physical construction or demolition would occur. Through this comparison, it was determined whether bicycle lanes can be installed along a roadway segment without decreasing the number of lanes or eliminating any parking. The analysis typically broke proposed segments into smaller segments depending on changes in layout or physical characteristics. This meant that a bicycle lane may be feasible within one block and infeasible within the next block if lanes were added or total width changed.

### **Class 3 Bicycle Routes**

Bicycle routes were typically selected where connectivity could be improved by filling gaps in the system, but there was not sufficient space to install bicycle lanes. For this analysis, the total widths of the proposed bicycle route streets were compared to the minimum widths necessary for bicycle lanes (as outlined previously) to ensure that a full Class 2 facility could not be implemented instead as an upgrade.

### **Bicycle Boulevards**

Feasibility was assessed based on the number of intersections currently requiring cyclists to stop along the route. Bicycle boulevards were differentiated from standard Class 3 route facilities by having an increased flow rate for cyclists, so the number of stops or conflicts was a key factor. Since it is assumed that all bicycle boulevards would be considered Class 3 facilities, total width was also recorded to assess the feasibility of sharing the lanes.

# 2.6 Opportunities and Constraints Summary

Based on this chapter's analysis of existing conditions, survey responses and GIS data, specific factors tended to drive the recommendations in the next chapter.

An important step in the planning process for any transportation project is the assessment of needs. Existing and planned land use, current and projected traffic levels and the special needs of the area population were examined. In addition, bicycle and pedestrian counts were conducted at ten locations identified through GIS modeling and City input. There are circumstances in which a portion of the transportation need might be served by non-motorized means, as well as locations where existing bicycle demand would be better served by improved facilities. Using the following land use and location factors help to highlight the potential for nonmotorized travel and to determine cyclists' needs at the street level. The roadway may be suitable for bicycle travel if it:

- Serves an activity center, which could generate bicycle trips
- Is included on a regional, county or municipal bicycle master plan
- Provides continuity with or between existing bicycle facilities, including those of adjacent municipalities
- Is located on a roadway that is part of a mapped event or club bicycle route or utilized regularly by local bicycle clubs
- Passes within two miles of a transit center
- Passes within two miles of a high school or college
- Passes within a half mile of an elementary school or middle school
- Passes through an employment center, especially if there is a significant residential area within a three mile radius
- Provides access to a recreation area or otherwise serves a recreation purpose

If any one of these factors exists, the roadway has the potential to attract cyclists of various types and should be considered as potentially appropriate for designation as a bikeway.

This assessment also addresses other factors such as safety, public input, GIS modeling and field work. These topics all relate to one another and help identify what is needed for a complete bikeway system. For example, safety concerns were analyzed by identifying bicycle-related collision locations, frequencies and causes, and especially the frequency at a certain notable locations. Cross-referencing these collisions and locations helps to identify where it may be best to install a bicycle facility to connect with other facilities, as well as future development.

Four data-intensive exercises were conducted in the analysis phase:

- Bicycle Suitability Model
- Level of Traffic Stress
- Benefit-Cost Analysis
- Bicycle Collision Rates

These exercises are described in greater detail in the following sections.

### **Bicycle Suitability Model Overview**

As discussed in the previous section, there are many factors that can combine to create a situation where a street becomes an important bicycle connection in a community. To help facilitate and automate this analysis, a Geographic Information Systems (GIS) model was created using maps of several of these factors. The Bicycle Suitability Model was developed to determine the most likely areas within the City where cyclists are likely to be, either currently or if improvements were made. The model was created to first prioritize areas to visit during field work and consider for projects and later to assist with ranking project implementation. The Bicycle Suitability Model identifies existing and potential bicycle activity areas citywide utilizing existing data within an extensive GIS database.

The overall model is comprised of three basic models: the Attractor, Generator and Detractor Models. When these three interim models are combined, they create the Bicycle Suitability Model.

Attractors: These are cycling-related geographic features likely to attract cyclists. Examples of these features are schools, transit and shopping centers.

Generators: These are demographic data indicating potential cyclist volume based on how many people live and work within the cycling activity areas identified in the Attractor Model. Examples of generators are population and employment density, age density and primary mode of transportation to work.

Detractors: These are features likely to discourage or detract people from cycling. These are generally physical limitations such as areas with high numbers of bicycle related collisions, limited lane widths or high posted speed limits.

The model identifies the characteristics of each particular area in geographic space and assigns a numeric value for each of these characteristics. The score per area is then added to create a ranking for that particular area in geographic space. Figure 12 displays the results of the model. For details on the inputs and methodology of the model, see Appendix B: Suitability Model and Project Prioritization.

### **Benefit-Cost Analysis**

The benefit-cost analysis measures the financial benefits associated with a corridor, normalized by the number of anticipated users (in turn a product of the facility type and length), and divided by rough order of magnitude construction cost estimates.

Using NCHRP Report 552 methods, quarter, half and one mile buffers were drawn around each corridor to obtain American Community Survey (ACS), population and journey to work mode share data. An extrapolation of all bicycle trips was made and estimates of potential ridership developed based on Class 1 path or Class 2 bicycle lane attractiveness functions defined in the NCHRP research. Cost saving benefits were calculated using existing and estimated ridership, annual mobility, health, recreation and reduced auto use.

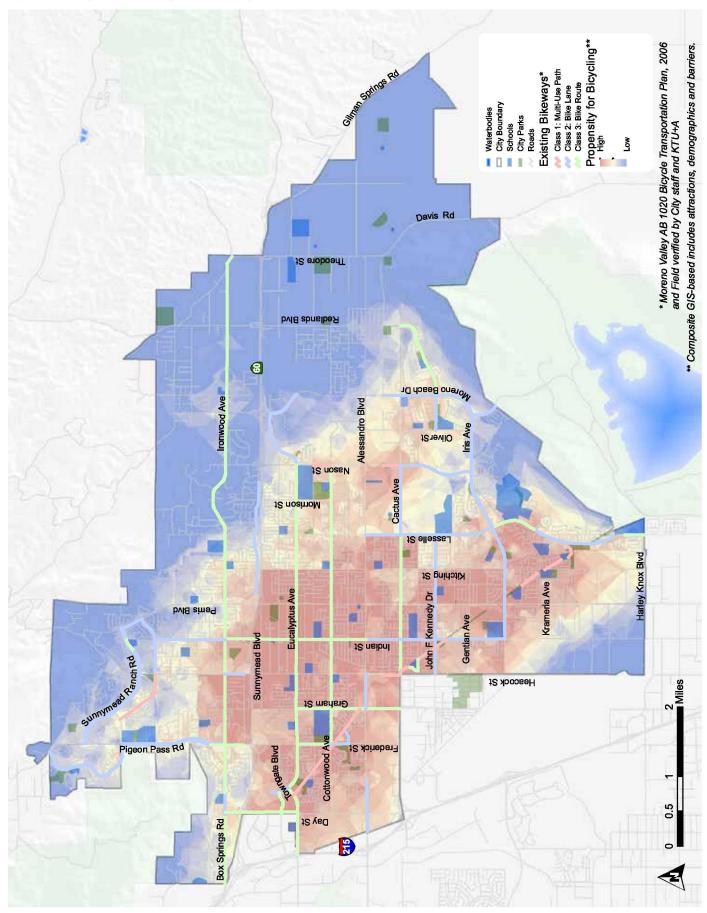
### **Bicycle Collision Rates**

Bicycle collisions rates address safety through five years of reported data, normalized by crashes per mile. Unlike automobile crashes, the lower bicycle crash volumes and lack of robust, long-term exposure data (such as the number of cyclists using each corridor) means that this dataset is not as statistically sound. However, it is still commonly reported, easily understood and useful. For each corridor, a 100 foot buffer was defined and all reported collisions for the five year period up to February 2013 counted. The total reported collisions were divided by corridor length in miles and segments with higher collisions per mile were prioritized for treatment.

City of Moreno Valley • Bicycle Master Plan

2

#### Figure 12: Bicycle Suitability Model Analysis



### **Level of Traffic Stress**

Level of Traffic Stress (LTS) is a fairly recently developed analysis method that addresses the perceived safety related to traffic speed, number of lanes and existing bikeway facility type. In addition to serving as a proxy for safety, the existing bikeway factor is a measure of existing network supply.

Stress increases with traffic speed, number of lanes and lack of existing bikeways. LTS scores can range from 1 (low stress) to 4 (high stress). The tables below are from the Mineta Transportation Institute's *Low-Stress Bicycling and Network Connectivity Report*. The first table describe the four stress level categories and the second defines what stress levels will result when bicycle lanes or routes are applied to specific roadway configurations and speed limits. The model was created using City data, including speed limits, number of lanes and the presence or absence of bicycle facilities (See Figure 13).

40+

High stress and low stress routes are prioritized for treatment, and streets with either a low stress (LTS 1) or high stress (LTS 4) were given an equal scoring value. The reasoning behind this is that both are ideal for increasing ridership based on their existing condition (LTS 1) and improvements to be made for high stress streets (LTS 4). In the case of high stress streets, many arterials are direct travel routes while local, low-stress streets tend to be residential connectors to schools and parks. For transportation purposes, arterials can better serve the needs of people who bicycle to work, providing a more direct route, and can often be improved with facility enhancements.

6+

Stress Category	Stress Indicator
LTS 1	Suitable for almost all cyclists, including children trained to safely cross intersections.
LTS 2	Suitable to most adult cyclists but demanding more attention than might be expected from children.
LTS 3	Welcome to many people currently riding bikes in American cities.
LTS 4	A level of stress beyond LTS3.

Shared Facilities (Bike Route)				
ō	Number of Lanes			
Speed Limit	2	3 (2+1)	4-5 (4+1)	
Contraction of the second s	the second s	the second se		

3

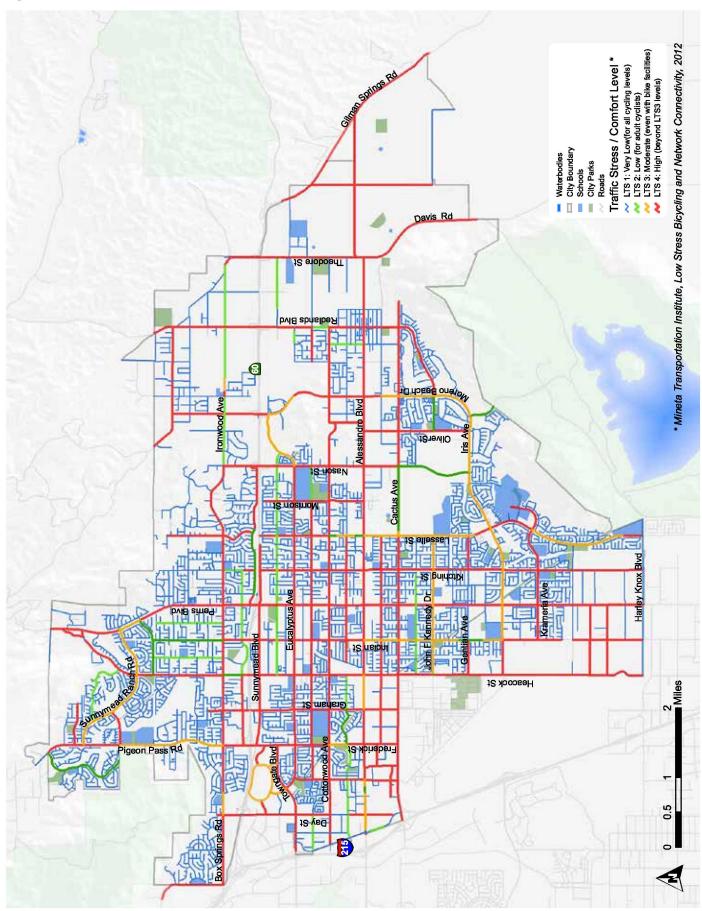
abeen muur		- (	and farmers	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
25	1	2	2 3			
30	2	3	4	4		
35+	4	4	4	4		
Bike Lanes (Wit	th On-St	reet Parking)				
		Numbe	r of Lanes			
Speed Limit		2	3	+		
25		1	1			
30		1	1			
35		2	2			
40+		3	3			
Bike Lanes (Wit	thout Or	-Street Parki	ing)			
		Number	r of Lanes			
Speed Limit	2	3	4+	Buffered		
25	1 1		1	1		
30	1 2		1	1		
35	2	3	2	2		

3

City of Moreno Valley • Bicycle Master Plan

1

#### **Figure 13: Level of Traffic Stress Model**







## 3.1 Recommended Goals, Policies and Objectives

The following goals, policies and objectives have been developed for this plan in accordance with previous planning efforts and relevant State legislation governing air quality, public health and equitable access. This plan capitalizes on many of the goals, policies and objectives included in Section 2.1: Existing Plans.

### **Increased Park Space**

The General Plan states that neighborhood parks and recreation are to be provided within walking distance and at a reasonable cost, but many Moreno Valley residences lie beyond reasonable walking distance from parks and recreation opportunities. This bicycle master plan therefore proposes facilities with the potential to help mitigate this issue, and at no cost to the user.

Bicycle facilities increase park usage by offering improved access to existing parks, and by creating new, linear parks from existing neighborhood corridors, such as paths along flood control channels. By accommodating speedier travel, bicycle facilities help to shrink space, essentially bringing parks closer to residents. Bicycle boulevards or, as they are now often called, neighborhood greenways, have the potential to calm traffic and "green" the neighborhood, providing a linear park-like atmosphere. Class 1 multi-use paths facilities are another type of facility recommended in this plan that would contribute to increased park space. The General Plan offers strong and explicit support for the use of existing drainage courses, utility rights-of-way and other areas of opportunity for multi-use paths. The Riverside County Flood Control and Water Conservation District generally supports such use, but implementation of projects located within their jurisdiction will require agency coordination.

### **Freeway Interchange Redesign**

This bicycle master plan reiterates the General Plan's call for freeway interchange redesign, but takes it a step further since interchanges often represent the "highest stress" link of a bicycle facility and, as such, require special effort to accommodate cyclists of all ages and abilities.

### Programs

This bicycle master plan calls for the implementation and expansion of many programs included in the City's 2006 *Bicycle Transportation Plan*, including the creation of a traffic garden and its integrated use by local school children, as well as the involvement of law enforcement officers in bicycle/pedestrian and traffic safety education efforts.

### Goals

- Create a network of Complete Streets.
- Make cycling an attractive and safe mode of transportation for people of all ages and abilities.
- Alternative text: Create a bicycle network and complementary menu of programs that make cycling a viable transportation option for people of all ages and abilities.

## **3.2 Recommended Facilities**

#### **Policies**

- Address AB-1358, California's Complete Streets legislation, by implementing a layered network of transportation facilities, in which the bicycle network proposed in this plan is one layer.
- Transportation planning efforts must evaluate impacts to all users and acknowledge the economic, environmental, health and social trade-offs involved in providing for each mode.
- Corridors and facilities identified by the bicycle master plan are seen to improve access for non-motorized travel. As such, and per the 2009 Proposed Guidelines Amendments for the California Environmental Quality Act, which removes vehicular Level of Service as an environmental impact and permits jurisdictions to adopt their own measures of performance, these corridors are exempt from considerations of vehicular level of service.

### **Objectives**

- Create a Bicycle and Pedestrian Working Group.
- In conjunction with City Staff, this group shall develop targets regarding the implementation of the facilities and programs proposed in the bicycle master plan. Important targets include network completion, program implementation, mode share and safe cycling/collision reduction.
- This group shall meet as much as once per month and no less than quarterly.
- Efforts should be made to assemble a group that is diverse with respect to gender, race, socioeconomic status and age. The group should include a Safe Routes to Schools delegation.



Typical flood control channel

This chapter's recommended facilities identify improvements to the existing bikeway system. These projects will have a significant impact, such as closing major gaps and extending or developing multi-use paths, bicycle lanes or routes along major transportation corridors. The numbering used to identify projects within each bikeway facility class in the following sections does not necessarily imply priority beyond the facility category. Bicycle facility implementation has no specific time line, since the availability of funds for implementation is variable and tied to the priorities of the City's capital projects.

This chapter's tables list recommended projects and the associated figures identify their locations and project ranking. If there is desire, proposed projects can be re-ranked within the five year bicycle master plan update cycle at whatever interval best fits funding cycles or to take into consideration the availability of new information, new funding sources, updated crash statistics, updated CIP lists, etc. Bikeway facility prioritization and implementation should be fine-tuned and adjusted accordingly based on future circumstances. More information regarding the ranking process can be found in Appendix B: Suitability Model and Project Prioritization. Cost estimates for these projects are included in Chapter 4: Bikeway Funding.

### **Class 1 Multi-use Paths**

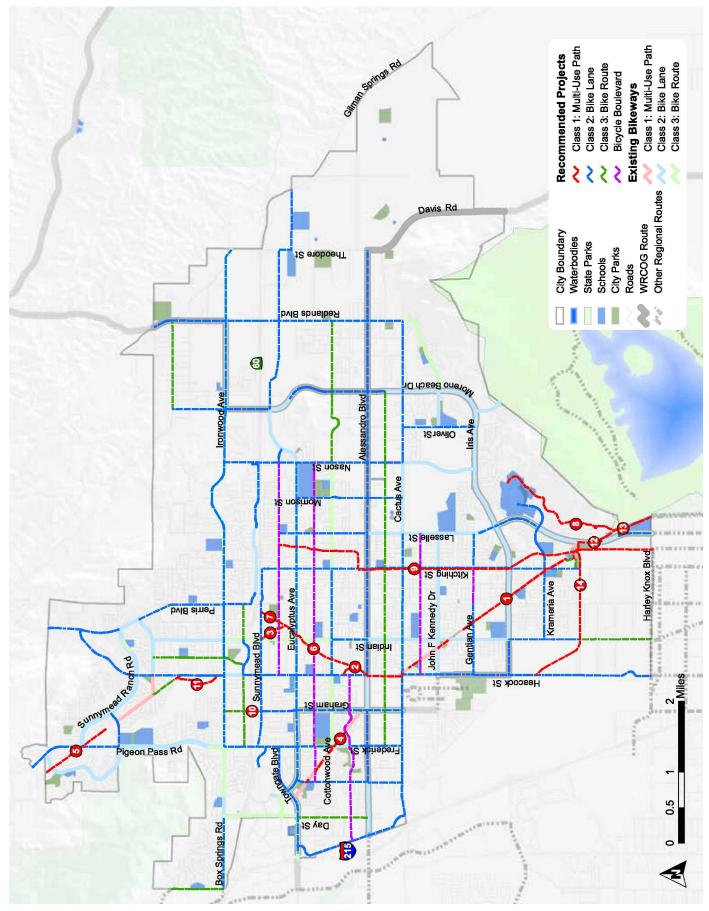
Because they are constructed independently of existing or programmed motor vehicle facilities, Class 1 paths are by far the most expensive of all bicycle facilities. Typical costs per mile can vary a great deal due to possible right-of-way acquisition, bridges and other potential major expenses such as extensive grading due to hilly topography and facility width. For example, a Class 1 facility being converted from a former rail roadbed across flat terrain will require far less grubbing, grading and structural enhancements than a facility being constructed through an undeveloped area with hilly topography and stream crossings (See Figure 14).

Additional multi-use paths are primarily recommended along the flood control channels to provide off-street connections throughout the City. These routes provide bicycle facilities separated from vehicular traffic and connect to parks, schools and other existing and proposed bicycle facilities.

City of Moreno Valley - Bicycle Master Plan

2

#### Figure 14: Recommended Class 1 Multi-Use Paths ("Bicycle Paths")



### Table 12: Recommended Class 1 Multi-Use Paths

					Recommended Improvements			
Rank	Length (Miles)	Facility	From	То	Crosswalks	Enhanced Crosswalks		
1	2.9	Juan Bautista De Anza Trail (P8)	Alessan- dro and Heacock	Portrero Park	<ul> <li>Minor crossing: Unity Ct</li> <li>Minor crossing: Sun Valley Rd</li> <li>Minor crossings: Filaree and Fay Ave</li> <li>Requires use of some enhanced Class 3 facilities (see notes)</li> </ul>	<ul> <li>Alessandro and Heacock</li> <li>Brodiaea and Heacock Ave</li> <li>Cactus and Heacock Ave</li> <li>John F Kennedy Dr</li> <li>Mid-block: at Indian Ave and Class 1</li> <li>Improve existing Home Depot crossing</li> <li>Iris Ave</li> <li>Krameria Ave</li> <li>At Kitching St</li> </ul>		
2	0.41	Juan Bautista De Anza Trail (P4)				• Connecting to Creekside Elementary School		
3	0.5	Juan Bautista De Anza Trail (P6)			• Minor crossing: Webster Ave	• Sunnymead Blvd		
4	0.67	Juan Bautista De Anza Trail (P3)	Eucalyptus	E Alessandro	<ul> <li>Balboa Ln</li> <li>Minor crossing: Baywood Dr and PanAm Blvd</li> <li>Minor crossing: Caspian Way and Bay Ave</li> </ul>	<ul> <li>Elsworth</li> <li>Cottonwood Ave and</li> <li>Frederick St intersection, esp. western and southern legs</li> <li>Alessandro</li> <li>Graham</li> </ul>		
5	1.06	Juan Bautista De Anza Trail (P1)	Hidden Springs	Class 1	<ul> <li>Three at Hidden Springs and Pigeon Pass</li> <li>Three at Pigeon Pass and Old Lake</li> <li>Minor crossing: Village Rd, Mendoza Rd</li> </ul>	• Pigeon Pass • Old Lake		
6	1.28	Juan Bautista De Anza Trail (P5)			• Minor crossings: Dracaea, Atwood, Indian, Eucalytpus and Meyers	Cottonwood Ave		
7	0.29	Juan Bautista De Anza Trail (P7)						
8	1.73	Moreno Valley College Path	Water Tower	Rancho Verde High School/ southern extent of "Segment 9"				
9	4.47	Kitching Aq- ueduct Path	Fir	Portrero Park	• Minor crossings: Fir Ave • Minor crossings: Dracaea and Bay	<ul> <li>Eucalyptus</li> <li>Alessandro</li> <li>Cactus</li> <li>John F Kennedy</li> <li>Iris &amp; Kitching</li> <li>Vista Verde Middle School</li> </ul>		

1

2

Median Refuges	Curb Extensions	Other Enhancements	Notes
<ul> <li>Alessandro and Heacock</li> <li>John F Kennedy Dr</li> <li>Mid-block: at Indian Ave and Class 1</li> <li>Iris Ave</li> <li>Krameria Ave</li> <li>At Kitching St</li> </ul>	<ul> <li>Cactus Ave and Hea- cock Ave</li> <li>John F Kennedy Dr</li> </ul>		<ul> <li>Straightening out path to better suit utilitarian use is also recom- mended</li> <li>May potentially fill gaps through enhanced Class 3 projects with Aqueduct Trail</li> <li>Wayfinding recommended throughout</li> </ul>
• Connecting to Creekside Elementary School			
Sunnymead Blvd			
• Elsworth • Alessandro • Graham	<ul> <li>Widen sidewalk to Class 1 extent northern edge of Cottonwood Ave and eastern edge of Frederick St</li> <li>Widen sidewalk along eastern edge of Fred- erick</li> </ul>		<ul> <li>Mid-block crossing</li> <li>Potentially recommend 2-way cycle track</li> <li>Use Alessandro Blvd bicycle lanes here</li> </ul>
• Pigeon Pass • Old Lake			
Cottonwood Ave			
		Through Sunnymead Blvd	
			• Requires paving, but leaving ROW for equestrian path
• Eucalyptus • Alessandro • Vista Verde Middle School			<ul> <li>May require enhance due to crossing location and orientation</li> <li>Connects with southern end of Juan Bautista de Anza trail</li> </ul>

					Recommended Improvements		
Rank	Length (Miles)	Facility	From	То	Crosswalks	Enhanced Crosswalks	
10	0.1	Graham St Bicycle/ Pedestrian Bridge	N edge of SR-60	South edge of SR-60			
11	0.73	Juan Bautista De Anza Trail (P2)	Class 1	Kernwood	• Minor crossings: un-named intersection, Sandpiper Ct and Cockatiel Dr		
12	0.53	Juan Bautista De Anza Trail (P9)	Portrero Park	Class 1 (Seg- ment 11)	• Minor crossing: Equestrian Way	• Avenida de Plata and Lasselle St	
13	0.47	Rancho Verde High School Path	Rancho Verde High School/ southern extent of Segment 9	Southern City Limit			
14	3.21	South City Aqueduct Path	Heacock	Kitching		• Heacock • Perris	

£

Median Refuges	Curb Extensions	Other Enhancements	Notes
			Future Opportunity
		• Shared Lane Markings	<ul> <li>Enhanced Class 3 recommended</li> <li>Though improved path already exists along Parkland Ave along median, several intersections present issues in terms of conve- nience and safety</li> </ul>
	• Avenida de Plata and Lasselle St		
• Perris	• Perris	<ul> <li>Improve north leg of Indian to provide network connection</li> <li>Short leg of Class 1 required to connect (N) to Plumeria</li> <li>Short leg of Class 1 required to connect (N) to Kitching</li> </ul>	• Could provide Class 1 bridge over adqueduct, to connect to south City

### **Class 2 Bicycle Lanes**

Moreno Valley has bicycle lanes on some major arterials and additional recommended lanes are primarily gap closures and traffic calming installations. The latter applies in some cases to very wide streets without bicycle facilities, where bicycle lanes and associated buffering are recommended to both perceptually narrow streets to slow vehicular traffic and to provide better facilities for cyclists (See Figure 15).

### **Class 3 Bicycle Routes**

Bicycle routes are recommended as additional gap closures and connections where the vehicular speed, geometry and traffic volumes allow cyclists to share the road with vehicles. In many cases, the gap closures are short segments that connect bicycle lanes, schools and parks in low volume, low speed residential streets. Where bicycle lanes cannot be accommodated because of available right-of-way, bicycle routes are recommended when safety criteria are met (See Figure 16).

### **Bicycle Boulevards**

Bicycle boulevards are generally shared lane facilities with prominent pavement markings. Traffic diverters, roundabouts, traffic circles and other calming measures are all amenities that can make up a bicycle boulevard. However, the priority of bicycles over vehicles is what makes a street with bicycle facilities a bicycle boulevard. The recommended bicycle boulevards primarily connect schools near the downtown district and higher density population areas.

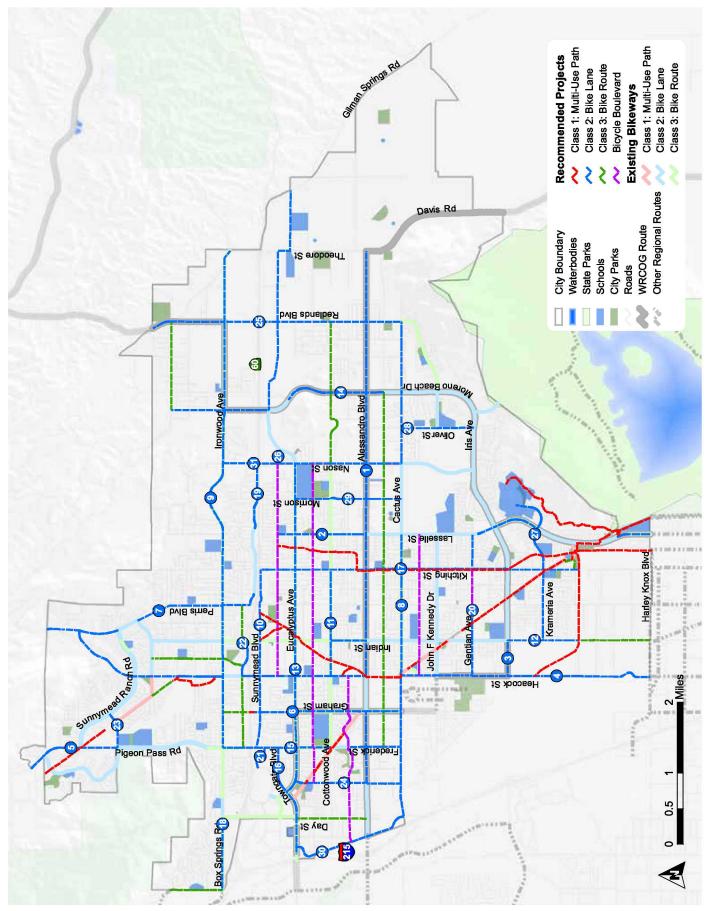
Bicycle boulevards require additional planning and engineering prior to implementation. Impacts to vehicular traffic flow, bicycle and pedestrian safety improvements at intersections and crossings, right-of-way acquisition, signage and utilities are examples of associated items that would require in-depth analysis. Education and enforcement of these facilities is also recommended to assist the community in correctly utilizing them following implementation. Examples of education programs are included in this chapter (See Figure 17). The following maps and tables describe the recommended projects developed through project analysis and input from City staff, the community and advocacy groups.

The tables show the results of the analysis along with notes about facilities and any field observations. The "Notes" column provides additional information addressing the existing condition for each segment. This may include additional constraints, guidelines or other unique factors that should be considered prior to project development. Total width was verified in the field where it was within four feet of the minimum needed. The width columns illustrate the difference between the needed width and existing width for the recommended facility type. The "Delta" column employs a color coding system to summarize improvement feasibility. Green indicates feasible, red indicates infeasible and blue indicates a value within four feet of the minimum width needed.

City of Moreno Valley • Bicycle Master Plan

2

#### Figure 15: Recommended Class 2 Bicycle Lanes



### Table 13: Recommended Class 2 Bicycle Lanes

Rank	Length (Miles)	Facility	From	То	Delta	Future Opportunity	Notes
			-215	Day St	6		<ul> <li>Opportunity for buffering</li> </ul>
			Day	Grant	6		<ul> <li>Opportunity for buffering</li> </ul>
			Grant	Frederick	16		<ul> <li>Opportunity for buffering</li> </ul>
1	8.05	Alessandro	Frederick	Graham	10		<ul> <li>Opportunity for buffering</li> </ul>
	0.05	Blvd	Heacock	Kitching	16		<ul> <li>Opportunity for buffering</li> </ul>
			Kitching	Nason	6		<ul> <li>Opportunity for buffering</li> </ul>
			Nason	Redlands	8		<ul> <li>Opportunity for buffering</li> </ul>
			Redlands Blvd	Davis	-8	X	
			Fir	Eucalytpus	-4		
			Eucalytpus	Ute Drive	10		<ul> <li>Opportunity for buffering</li> </ul>
			Ute Drive	Dracaea	18		Opportunity for buffering
2	2.63	Lasselle St	Dracaea	Alessandro	-2		<ul> <li>Road undulates</li> <li>Some places, wider than 30'</li> <li>Potentially City-owned ROW</li> </ul>
			Gentian	Krameria	6		Opportunity for buffering
			Camino Quin- tana	Harley Knox	8		<ul> <li>Opportunity for buffering</li> </ul>
		Iris Ave	Heacock	St. Croix	4		
3	3.84		St. Croix	Indian	4		<ul> <li>Road widens to 56' approach- ing Indian; becomes much wider further east</li> </ul>
			Indian	Perris	3		
			Perris	Kitching	7		<ul> <li>Opportunity for buffering</li> </ul>
			Kitching	Via del Lago	14		<ul> <li>Opportunity for buffering</li> </ul>
			Perris	Lake Summit	4		
			Lake Summit Dr	Ironwood	10		Opportunity for buffering
			Just North of Ironwood	Ironwood	4		
			Ironwood	Meyer	3		
			Meyer	Atwood	-5		
			Atwood	Alessandro	9		Opportunity for buffering
			Alessandro	Cactus	8		Opportunity for buffering
4	7.64	Heacock St	Cactus	Meyer Dr	8		Opportunity for buffering
			Meyer Dr	Poppystone	2		
			Poppystone	Gentian Ave	18		Opportunity for buffering
			Gentian Ave	Revere Pl	-2		
			Revere Pl	Iris Ave	18		Opportunity for buffering
			Iris Ave	San Michele Rd	-6		
			San Michele Rd	Nandina Ave	-12		
			Nandina Ave	Harley Knox Blvd	-8		
5	1.72	Pigeon Pass Rd	Hidden Springs Drive N	Hidden Springs Drive S	-1		

Rank	Length (Miles)	Facility	From	То	Delta	Future Opportunity	Notes
			Olivewood Plaza	Sunnymead	12		<ul> <li>Opportunity for buffering</li> </ul>
6	2.08	Graham St	Sunnymead	Cactus	-1		<ul> <li>Striped median does not run along entire length of project</li> <li>Possible road diet candidate</li> </ul>
			Heacock	Canyon Vista	5		
_	264	Damia Dhud	Canyon Vista	Sunnymead Ranch	5		
7	2.64	Perris Blvd	Manzanita	Jaclyn	18		<ul> <li>Opportunity for buffering</li> </ul>
			Jaclyn	Ironwood	-8		
			Ironwood	Elder	1		
		Cactus Ave	l-215	Veterans	15		Opportunity for buffering
			Veterans	Ellsworth	27		Opportunity for buffering
8	5.97		Elsworth	Heacock	9		
°	5.97		Heacock	Lasselle	1		
			Lasselle	Hospital	-8		
			Hospital	Nason	7		<ul> <li>Opportunity for buffering</li> </ul>
			Pigeon Pass	Perris	-4		
			Perris	Tuscola	8		<ul> <li>Opportunity for buffering</li> </ul>
9	6.15	Ironwood	Tuscola	Champlaign	0		
9	0.15	Ave	Champlaign	Vista de Cerros	31		<ul> <li>Opportunity for buffering</li> </ul>
			Vista de Cerros	Redlands	-2		<ul> <li>Roadway largely unimproved</li> </ul>
			Redlands	Theodore	-8	х	
10	2.52	Sunny- mead Blvd	Frederick St	Perris	4		
11	1.5	Cotton-	Heacock	Perris	2		
	1.5	wood Ave	Perris	Kitching	-2		

**"Delta"** column represents difference between required right-of-way width for bicycle lanes versus existing width. Range between -2 or greater (per side) indicates possibility of bicycle lane installation with some additional design considerations.

Color coding indicates improvement feasibility: Green indicates feasible, red indicates infeasible and blue indicates field-verified value within four feet (two feet per side) of minimum required. 6 -3 2

Green = feasible

Red = infeasible

Blue = value within four feet of minimum

Rank	Length (Miles)	Facility	From	То	Delta	Future Opportunity	Notes
			Cottonwood	Alessandro	-6		
12	1.5	Indian St	lris	Mariposa	-8		
			Memorial	Elsworth	9		Opportunity for buffering
			Ellsworth	Frederick	-1		
			Frederick	Graham	12		Opportunity for buffering
			Graham	Heacock	-1		
			Heacock	Kitching	16		Opportunity for buffering
		- · ·	Kitching	Montecello	10		<ul> <li>Residential areas are walled with no arterial access</li> </ul>
13	9.85	Eucalyptus Ave	Montecello	Golden Lantern	2		
		7.000	Golden Lantern	Morrison	-1		
			Morrison	Nason	5		
			Moreno Beach Drive	End of Road	-5		
			End of Road	Redlands	12		Opportunity for buffering
			Redlands	Gilman Springs	5	х	<ul> <li>Bicycle lanes exist in front of Skechers warehouse</li> </ul>
			Ironwood	Eucalytpus	-8		
		Moreno Beach Blvd	Eucalytpus	Automall Drive	11		Opportunity for buffering
			Automall Drive	Bend in road	32		<ul> <li>Existing bicycle lanes</li> </ul>
14	3.79		Where street bends south	Cottonwood	8		Shoulder, but no bicycle lanes
			Cottonwood	Bay	32		Opportunity for buffering
			Вау	Alessandro	5		
			Alessandro	Brodiaea	8		ROW varies
			Brodiaea	Via del Lago	10		Opportunity for buffering
			Ironwood	Sunnymead	-1		
			Sunnymead	Centerpoint	2		
			Centerpoint	Brabham	9		Opportunity for buffering
			Brabham	Towngate	5		
15	1.87	Frederick	Towngate	Eucalyptus	12		Opportunity for buffering
U	1.07	St	Eucalyptus	Dracaea	17		Opportunity for buffering
			Dracaea	Cottonwood	12		Opportunity for buffering
			Bay Ave	Alessandro	8		Opportunity for buffering
			Alessandro	Resource	-6		
			Resource	Cactus	-1		
16	0.66	Towngate Ave	Eucalyptus	Frederick	4		

¢

Rank	Length (Miles)	Facility	From	То	Delta	Future Opportunity	Notes
			Sunnymead	Skybrook	10		Opportunity for buffering
			Skybrook St	Fir	14		Opportunity for buffering
17	4.5	Kitching St	Fir	Cedarbrook	6		Opportunity for buffering
"	12 -1.5	Kitching St	Cedarbrook	Cactus	2		
			Cactus	Gentian	0		
			Gentian	Mariposa	0		
18	1	Box Springs Rd	Morton Rd (or Riverside Rail Trail)	Just west of Pine Cone Lane	0		
		Springs Ru	Just west of Pine Cone Lane	Day	7		<ul> <li>Opportunity for buffering</li> </ul>
			Perris	Lorez Dr	3		<ul> <li>Can provide buffered facility if parking prohibited</li> </ul>
19	2.11	Elder Ave	Lorez Dr	Brewster Drive	16		<ul> <li>Bicycle lanes exist</li> <li>Buffering recommended</li> </ul>
			Brewster	Morrison	3		<ul> <li>Buffering recommended</li> </ul>
			Morrison	Nason	16		Buffering recommended
		Gentian Ave	Heacock	Megan	0		
			Megan	Indian	12		Opportunity for buffering
20	1.48		Indian	Perris	12		<ul> <li>Roadway largely unbuilt</li> </ul>
			Parris	Kitching	-14		
			Kitching	Lasselle	10		
21	0.33	Center- point Dr	Town Circle Dr	Frederick St	5		
		Hemlerk	Frederick	Heacock	-6		
22	2.07	Hemlock Ave	Heacock	Indian	8		Opportunity for buffering
			Indian	Perris	4		
23	0.51	Old Lake Dr	Pigeon Pass N	Sunnymead Ranch	-1		
		<b>F</b> laurente	Eucalyptus	Dracaea	-4		
24	1.49	Elsworth St	Dracaea	Cottonwood	-1		
			Cottonwood	Alessandro	0		
			Northern City Limit	Eucalyptus	0		
			Eucalyptus	Dracaea	-4		
		Redlands	Dracaea	Вау	28		Opportunity for buffering
25	3.54	Blvd	Вау	Alessandro	-8		
		biva	Alessandro	Just south of Campbell Ave	10		Opportunity for buffering
			Just south of Campbell Ave	Cactus	8		<ul> <li>Opportunity for buffering</li> </ul>

Rank	Length (Miles)	Facility	From	То	Delta	Future Opportunity	Notes
26	0.2	Fir Ave	Nason	Eucalyptus	-5		
			Indian	Terano	19		<ul> <li>Walled residential areas with no arterial access</li> </ul>
27	2.23	Krameria Ave	Terano	Perris	-2		
			Perris	Just past Cahuil- la / Lasselle ES	-1		Candidate for road diet
20	1.02		Cactus	John F Kennedy	-4		
28	1.02	Oliver St	John F Kennedy	lris	0		
29	1.51	Morrison St	Eucalyptus	Cactus	-4		
		Old 215/	City Limit	Eucalyptus	10		Opportunity for buffering
30	1.75	Valley	Eucalyptus	Dracaea	18		Opportunity for buffering
50	1./5	Springs	Dracaea	Alessandro	18		Opportunity for buffering
		Parkway	Alessandro	Cactus	8		ROW widens at Alessandro
			Ironwood	Fir	10		Opportunity for buffering
			Fir	Eucalyptus	6		<ul> <li>Opportunity for buffering</li> </ul>
21	1 2.52	Nacan C+	Eucalyptus	Dracaea	12		<ul> <li>Opportunity for buffering</li> </ul>
31		Nason St	Dracaea	Cottonwood	33		Opportunity for buffering
			Cottonwood	Alessandro	-1		
			Alessandro	Cactus	-11		• ROW undulates dramatically

City of Moreno Valley • Bicycle Master Plan

2

#### Figure 16: Recommended Class 3 Bicycle Routes

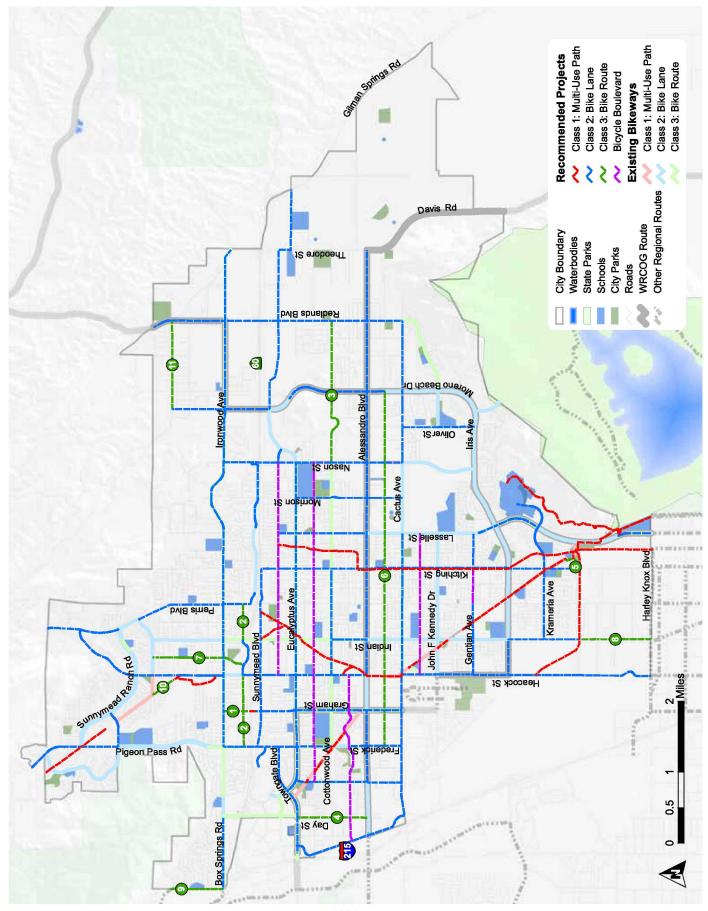


Table 14: Recommended Class 3 Bicycle Routes

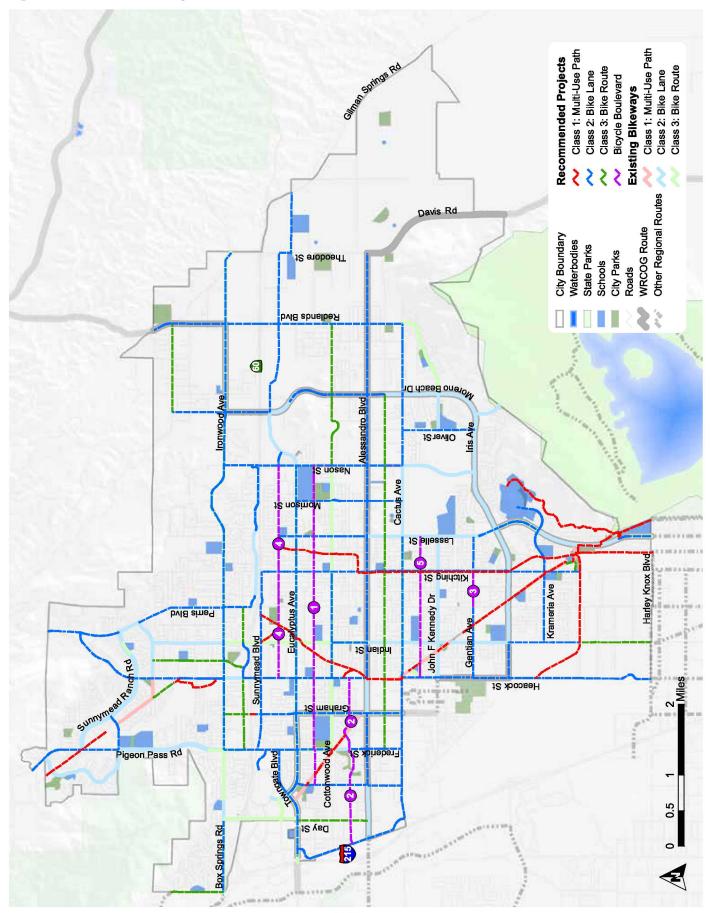
Rank	Length (Miles)	Facility	From	То	Delta	Notes
1	0.35	Graham St	Ironwood	Olivewood Plaza	-4	<ul> <li>Recommended in conjunction with dedicated bicycle/pedestrian bridge over SR-60</li> </ul>
2	1.52	Hemlock St	Pigeon Pass Rd	Heacock	-4	
	1,52	Hermock St	Indian	Perris	-12	
3	2.11	Cottonwood Ave	Nason	Redlands	-10	• ROW varies
			Eucalyptus	Cottonwood	-7	
4	1	Day St	Cottonwood	Sherman	-10	
			Sherman	Alessandro	5	
			Class 1 Path (Seg 8)	Via Pamplona	-8	
5	5 0.3	Camino Bel- lagio - Via Pam- plona - Camino Marilena - Kitching	Camino Bellagio	Camino Marilena	-8	<ul> <li>Connects to existing Class 1 path - mid-block</li> <li>Provide wayfinding throughout</li> </ul>
			Via Pamplona	Kitching	-8	
			Camino Marilena	Class 1 (Seg 13)	-8	
6	5.01	Brodiaea Ave	Frederick	Moreno Beach Drive	-4	<ul> <li>Segments between Lasselle St and Moreno Beach Dr largely unbuilt</li> </ul>
7	1.31	Davis St	Manzanita	Hemlock	-12	<ul> <li>Connect to Midland Elem School</li> <li>Connects to Manzanita (Class 2)</li> <li>Gap/unbuilt road may exist be- tween Ironwood and Hemlock</li> </ul>
8	1.01	Indian St	Mariposa Ave/ Flood Control Channel	Harley Knox	-1	<ul> <li>Industrial connection</li> </ul>
9	0.73	Morton Rd	Penunuri Pl	Box Springs Rd	-4	
10	0.36	Parkland Ave	Southern end of Class 1, Segment 1	Mark Twain	0	
11	1.26	Locust Ave	Moreno Beach Drive	Redlands Blvd	-6	

"Delta" column represents required right-of-way width to upgrade to Class 2 facility. In some cases where short segments of right-of-way are not wide enough for bicycle lanes, it is recommended to maintain Class 3 status throughout the segment for consistency.

City of Moreno Valley • Bicycle Master Plan

2

#### Figure 17: Recommended Bicycle Boulevards



### Table 15: Proposed Bicycle Boulevards

	Length	-			Existing	On-street	
Rank	(Miles)	Facility	From	То	Width (ft.)	Parking	Notes
1	4.51	Dracaea Ave	Elsworth	Nason	40'	Yes	<ul> <li>Provide enhanced wayfinding at intersecting Class 1 path (Class 1; #3)</li> <li>At Graham - enhanced crossing</li> <li>At Running Deer - 4-way stop and yellow markings</li> <li>At Indian - enhance existing 4-way crossing and 'T' NW corner of inter- section</li> <li>At Perris - enhanced crossing</li> <li>At Kitching - enhanced crossing</li> <li>At Lasselle - enhanced crossing</li> <li>At Morrison - enhanced crossing</li> <li>At Nason - green bike box</li> </ul>
2	2.43	Bay Ave	I-215	Heacock	40'	Yes	<ul> <li>Several schools</li> <li>Most signs already "flipped"</li> <li>At I-215, median refuge to provide safe crossing between I-215 and Bay</li> <li>At Ellsworth - use signage</li> <li>At Frederick - use sensors/actuation and more prominent crosswalks</li> <li>Past Frederick to Graham - use sharrows (too narrow for lanes)</li> <li>At Heacock - green bike box</li> </ul>
3	0.52	Gentian Ave	Perris	Kitching	35'	Yes	<ul> <li>Very short Bicycle Blvd connects what is otherwise Class 2 facility</li> <li>Starts at Perris - include enhanced crossing and wayfinding there.</li> <li>Ends at Kitching and would likely require bicycle/pedestrian bridge over Class 1, as well as enhanced crossing and wayfinding.</li> </ul>
4	3	Fir Ave	Heacock	Nason	40'		<ul> <li>Connects to ball fields/schools</li> <li>At Heacock - enhanced crossing</li> <li>At Indian - enhanced crossing</li> <li>At Perris - enhanced crossing</li> <li>At 2 floodgate crossings - enhanced crossings</li> <li>At X titching - enhanced crossing</li> <li>At floodgate - enhanced crossing</li> <li>At Lasselle - enhanced crossing</li> <li>At Morrison - enhanced crossing</li> </ul>
5	1.99	Delphinium Ave	Heacock	Lasselle	40'		<ul> <li>Connects several schools and Juan Bautista de Anza Trail</li> <li>At Lassell - enhanced crossing and median refuge</li> <li>At Indian - enhanced crossing</li> <li>At Perris - enhanced crossing</li> <li>At Rio Bravo cul-de-sac - extension needed</li> <li>At Class 1 - bridge needed</li> <li>At Heacock - enhanced crossing</li> </ul>

# **3.3 Future Opportunities**

Based on City, County and public input, the following are long-term potential bicycle facilities that are generally a variety of project types that may hinge on future roadway development, adjacent jurisdictional actions, or legislative changes. Most represent connections with surrounding jurisdictions.

## University of California Riverside (UCR)

A connection between Moreno Valley and the University of California Riverside (UCR) campus has been considered previously, including a specific plan over a decade ago. Several public meeting participants for this bicycle master plan suggested there is a continued need for a connection and that people are using this route. In fact, many cited the current, frequent use of an unimproved route along the railroad tracks to travel between Moreno Valley and the UCR campus. Anecdotal evidence also suggests that the northwestern area of Moreno Valley is becoming a preferred residential rental area for UCR students due to its proximity to the campus. Pending collaboration with the Southern California Regional Rail Authority (SCRRA), routing may employ adjacent rail right-ofway to provide a direct, low-stress route. Alternatively, routing may employ segments of Gernet Road and Watkins Drive.

## Santa Ana River Trail

The aqueduct easement through the Sunnymead Ranch neighborhood of Moreno Valley is considered too steep for trail development. Instead, as part of a County proposed realignment of nearby Pidgeon Pass Road, the abandoned alignment may be retained as a trail route.

A route through this area is likely to continue northwest via Box Springs Mountain Park and the unincorporated Highgrove area, and is considered Moreno Valley's most direct connection with the Santa Ana River Trail, a major regional route. (At the time of this bicycle master plan, the County was preparing to develop a trails master plan for the Box Springs Canyon Mountain Park and vicinity.)

## **Redlands Boulevard**

Redlands Boulevard entering Moreno Valley from the northeast is a planned WRCOG regional route. The County of Riverside is also proposing a trail separate but parallel with Redlands Boulevard along this segment.

## **Davis Road**

Davis Road entering Moreno Valley from the southeast is a planned WRCOG regional route. The County has no plans for Davis Road, but supports its development as a trail route.

## Lake Perris

The County strongly supports modifying the roadway around Lake Perris into a full loop around the lake since this would make it a much more desirable recreational, fitness and competitive route within easy reach of Moreno Valley.

## **Potential Cycle Tracks**

As the time of this bicycle master plan preparation, Assembly Bill-1193 (Bikeways), which would designate cycle tracks as an official bikeway type, had cleared several key assembly and senate committees and appeared to be on its way to passing. If so, the following routes are recommended for consideration:

Alessandro Boulevard – Between Old 215 and Lasselle Street

Nason Street - Between Iris Avenue and Fir Avenue

Frederick Street – Between Alessandro and Sunnymead Boulevards

# **3.4 Improvements to Existing Facilities**

Based on public input and field verification, the following are improvements recommended for existing bicycle facilities.

## **Multi-use Paths**

Add distance markers. Also, along heavily used segments, a centerline stripe is recommended to identify right-of-way travel for all users.

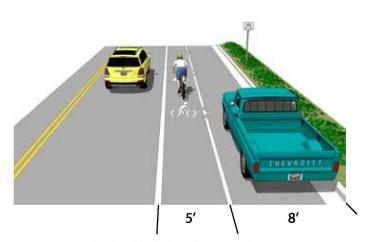
## **Bicycle Lanes**

Whenever repaving projects occur, or repairs on streets with bicycle lanes, install bicycle detector loops or signal actuators.

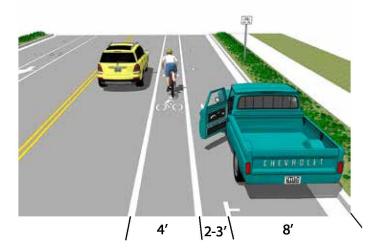
Wherever width is available, continue to add a buffer between the bicycle lane and parked cars or between adjacent travel lane and bicycle lane where on-street parking is not present.

## **Bicycle Routes**

Add Shared Lane Markings or "Sharrows" to existing bicycle routes, particularly at transitions from bicycle lanes to shared travel lanes. Also install "Bikes May Use Full Lane" (CA MUTCD R4-11) signs along these routes.



Minimum standard width for bicycle lanes adjacent to on-street parking is five feet with eight foot parking stalls, for a total width of 13 feet. Lines on both sides of the bicycle lanes are recommended.



Where more than 13 feet is available, the extra space should be used for a buffer between the parking stalls and bicycle lanes. The bicycle lanes can be reduced to four feet minimum only when a buffer is provided between the bicycle lanes and parking stalls.



## **Bicycle Parking**

Secure bicycle parking at likely destinations is an integral part of a bikeway network. Bicycle thefts are common and lack of secure parking is often cited as a reason people hesitate to ride a bicycle. The same consideration should be given to cyclists as to vehicle drivers, who expect convenient and secure parking at all destinations. Bicycle parking should be located in well-lit, secure locations close to the main entrance of a building, no further from the entrance than the closest automobile parking space. Bicycle parking should not interfere with pedestrian movement.

Bicycle racks should support the bicycle well and make it easy to secure it with a U-shaped lock through the bicycle's frame and the rack. The examples shown are a standard "inverted–U" rack and another art design rack that meets these criteria.

Adequate bicycle parking should be incorporated into any new development or redevelopment project. Bicycle parking should be given a balanced level of importance when considering car parking improvements or development. In commercial areas where bicycle traffic is more prevalent, as well as parks and shopping centers, increased bicycle parking is recommended. This provides an option for individuals who need to make a short trip to the local store to ride their bicycle rather than drive a car.

Increasing and providing secure bicycle parking will help promote and encourage kids to ride their bicycles to school if they know their bicycles will be safe. Bicycle parking should also be a standard amenity for existing and future parks. Bicycle rack type plays a major role in the utilization of the bicycle racks. Only racks that support the bicycle at two points and allow convenient locking should be used. Racks that can secure the entire bicycle are preferred and recommended for installation in commercial areas, schools, parks and local businesses.

Custom racks that showcase local businesses may also be encouraged to improve aesthetics as long as the racks provide adequate security and reflect local context. For example, special districts may benefit from custom racks whose design aesthetic relates to other street furniture.

A successful bicycle rack design enables proper locking, which means the user must be able to secure a typically sized U-lock around the frame and one wheel to the locking area of the rack. Racks that support the bicycle, but either provide no way to lock the frame or require awkward lifting to enable locking, are not acceptable unless security is provided by other means, such as a locked enclosure or monitoring by attendants. See Appendix A for more detailed information on bicycle parking design and placement.

Bicycle racks must be designed so that they:

- · Do not bend wheels or damage other bicycle parts
- · Accommodate high security U-shaped bicycle locks
- · Accommodate securing the frame and wheels
- Do not trip pedestrians
- · Are easily accessed yet protected from motor vehicles
- · Are covered if users will leave their bicycles for long periods





To provide real security for the bicycle (with its potentially easily removed components) and accessories (lights, pump, tools and bags), either bicycle enclosures, lockers or a checkin service is required. Bicycle parking facilities are generally grouped into two classes:

Long-term - provides complete security and protection from weather. It is intended for situations where the bicycle is left unattended for long periods of time: apartments and condominium complexes, schools, places of employment and transit stops. These are usually lockers, cages or rooms in buildings.

Short-term - provides a means of locking the bicycle frame and wheels, but does not provide accessory and component security or weather protection unless covered. It is primarily for decentralized parking where bicycles are left for short periods of time and are visible and convenient to the building entrance.

To identify the number of bicycle parking at a specific land use, other cities have used various measurement methods such as a percentage of auto parking, unit count, proportion of building square footage and even building occupancy. There is a downside when determining bicycle parking spaces based on a percentage of vehicular parking spaces because when developments reduce the amount of parking spaces to create a more bicycle and pedestrian friendly environment, this reduction in the amount of vehicular parking also reduces the amount of bicycle parking. This then actually becomes a deterrent to increasing bicycle parking.

Determining bicycle parking demand is more appropriate when using the proportion of square footage or building occupancy. These units of measure are commonly used during plan check and can be easily integrated into the planning process.

The bicycle racks can be customized to incorporate an area's aesthetics, or designed to complement a specific building or business. For example, the City of Long Beach maintains a program funded by the American Recovery and Investment Act to help business owners install bicycle racks. Their program provides a range of rack designs, or business owners can provide their own custom designs.

#### **Bicycle Corrals**

Bicycle corrals are generally former vehicle parking stalls converted to bicycle parking. Most have been on-street conversions, but they are now being incorporated into shopping center parking lots as well. Corrals can accommodate up to 20 bicycles per former vehicle parking space. On-street bicycle corrals provide many benefits where bicycle use is high and/ or growing:

- Businesses Corrals provide a much higher customer to parking space ratio and advertise "bicycle friendliness." They also allow more outdoor seating for restaurants by moving the bicycle parking off the sidewalk. Some cities have instituted programs that allow local businesses to sponsor or adopt a bicycle corral to improve bicycle parking in front of their business.
- Pedestrians Corrals clear the sidewalks and those installed at corners also serve as curb extensions.
- Cyclists Corrals increase the visibility of cycling and greatly expand bicycle parking options.
- Vehicle drivers Corrals improve visibility at intersections by preventing large vehicles from parking at street corners and blocking sight lines.

Especially where bicycle parking is very limited, an occasional parking space could be converted into a bicycle corral to increase the attraction of cycling to the commercial district instead of driving there. There is great variety in design including signage, protective barriers, curbs, custom paving or even simply striping.

In terms of placement, it is desirable to put bicycle corrals near intersections. Mid-block placement is not recommended because the corral can be hidden by parked motor vehicles, reducing visibility for both vehicle drivers and cyclists. Bicycle corral racks can be customized and have been designed and fabricated to complement specific locations, as well as available "off-the-shelf" designs sized to fit within a standard vehicle parking space. Refer to Appendix A: Design Guidelines and the APBP *Bike Parking Guidelines* for additional information.

# **3.5 Other Bicycle Facilities**

## **Safe Routes to Transit**

#### **Best Practices in Bicycle Access to Transit**

Integration of the bicycle master plan into the surrounding transportation and transit network improves the user experience by providing intuitive, safe and recognizable routes connecting active transportation and transit networks. Providing infrastructure for a broad range of users and mobility devices establishes a set of best practices for the development of a complete bicycle network master plan. The overarching goal of a bicycle master plan is to safely provide active transportation infrastructure to persons at all levels of cycling ability.

Improving bicycle access to transit helps to expand the sphere of influence for both cyclists and transit users, and can improve the transit rider and active transportation user relationship. A layered network enhancement of transit station area improvements allows for a connected multimodal transportation network. Improvements will be guided by a set of best practices as they apply to transit stops and stations, bicycle facilities and associated pedestrian improvements.

#### **Transit Stop Improvements**

Provide bus waiting areas with an improved level of comfort, encouraging transit use and creating a safer environment for users. Best practices include:

- Flush curb-to-bus boarding
- Ample seating spaces
- Shading
- Landscaping
- · Lighting and public art where space permits

When feasible, include street furniture, trash cans and parking for mobility devices at transit stops.

Street side improvements at bus stations include dedicated bus-only lanes or bus pull-outs where transit stops offer direct bus access. Locate bus stops on the far-side of intersections where possible to ease pedestrian movement at intersections. Consider bus-only lanes or pull-outs near stops to prevent traffic congestion behind busses.

#### **Bicycle Access Improvements**

The improvement of access for bicycles to transit stations and stops should be centered around three overall goals:

- Decreasing the average travel time of cyclists accessing transit - This is achieved by decreasing wait times at intersections and by increasing speed and capacity along bicycle routes. Bicycle prioritized signal timing improvements decrease waiting times for cyclists and the provision of improved bicycle facilities increases the average users' speed.
- Decreasing point-to-point distances This is achieved through the utilization of strategic short-cuts and increased street crossing opportunities. Off-street routes through utility easements and flood control channels or parks and mid-block crossings can be used to significantly reduce point to point distances.
- Supporting multi-modal transfer activity Strengthen links between modal access points, such as bus stops and stations, or bicycle share kiosks and stations, by providing easily identifiable safe and efficient access routes between modes.

Modifying the allocation of street space near transit stations and stops is another key element in encouraging access to transit by bicycle. Elements include the following:



#### **Reduced Lane Width**

- Reduce vehicular lane widths, were possible, to help promote slower driving speeds, reduce the severity of vehicular crashes, and reduce crossing distances. Gain underutilized space for more transit-friendly uses, such as bus access, extended sidewalks, buffer-zones, protected bicycle lanes and bulb-outs.
- Where traffic volumes and bus usage permits, do not use lanes wider than 11 feet and ideally 10 feet. Use striping to channelize traffic and create buffer zones or delineate parking from travel lanes.
- Confirm lane width requirements for efficient operations.

#### **Enhanced Bicycle Facilities**

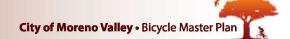
- Provide bicycle facilities separated and/or protected from vehicular traffic.
- Convert existing standard bicycle lanes or shared lanes into protected facilities where feasible, to protect cyclists from vehicular traffic.
- On streets with heavy traffic, multiple lanes, high parking turnover, double parking, and existing or potential high bicycle ridership, consider installing separated cycle tracks to protect cyclists and make cycling more comfortable and inviting to all users.
- On streets with high speeds, few driveways or cross streets and high demand for bicycle access, consider installing raised cycle tracks at the same level as the adjoining sidewalk.
- On streets where cyclists are already riding the wrong way, where direct access is very difficult for cyclists, where two way connections are needed, and where traffic is low-speed and low volume, consider installing contraflow bicycle lanes or routes that cut through blocks.
- Other protected facilities and bicycle enhancements recommended for transit zones can include buffered bicycle lanes, bicycle boxes, bicycle signal heads and bicycle signal detection.
- For separated facilities, use paint on the street surface to conform to bundled improvements.
- Consider signage, both directional and wayfinding.

#### **Signal Modifications**

- Slow vehicular speeds within transit zones.
- Give crossing priorities to pedestrians and cyclists.
- Time signals to ease traffic and minimize conflicts between pedestrians, cyclists and vehicles.
- Establish safe "transit zones" around major bus stops and transit station areas.
- Set vehicular signal timing for moderate progressive speeds, rather than aggressive speeds along bicycle routes.
- Time signals to provide pedestrians and cyclists lead time for crossing before vehicular travel.
- Use bus and bicycle detection at traffic signals for prioritization of bicycles.
- Add bicycle detection to traffic signals for crossings.

#### **Bicycle Lanes**

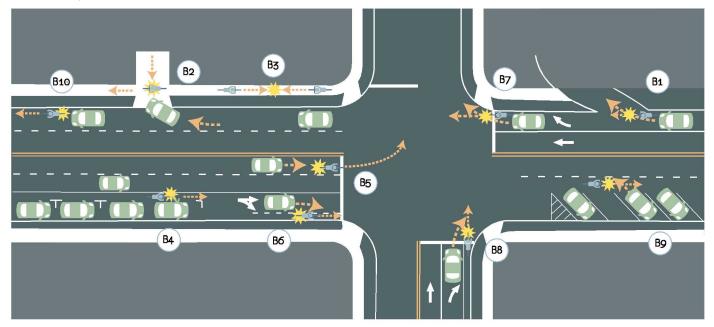
- Shift the balance of the roadway so that it caters more to cyclists of all types near major bus stops and transit station areas.
- Increase safety and comfort in the roadway for cyclists.
- Provide a passing lane for faster riders.
- Convert existing bicycle lanes into buffered bicycle lanes or cycle tracks within a quarter or half mile radius of the major bus stops or transit stations, where feasible. These facilities would be dedicated lanes, wider than standard bicycle lanes that welcome cyclists of varying speeds and abilities.
- Paint fast/slow indicators in the lane, giving ample room for passing at conflict points such as crosswalks and hills.
- Ideally provide buffers, such as painted, or raised planter, parking, or bollards, to comfortably separate cyclists from vehicular traffic.
- Incorporate informational signage, traffic markings, and dedicated signalization through intersections.
- At conflict zones, apply paint on streets.



# **3.6 Issues and Solutions**

The following section describes typical bicycle safety issues, briefly discusses them and provides possible solutions. The graphic below and Table 16 illustrate issues that may be commonly experienced by regular cyclists. See Table 17 and the following pages for examples of possible solutions.

#### **Figure 18: Typical Issues**



## Table 16: Typical Issues

<b>B1 - Crossing freeway on-ramps:</b> Bicycle facilities that cross freeway on-ramps put cyclists in conflict with crossing traffic accelerating to highway speeds.	1B, 8B, 9B
<b>B2 - Alley conflicts:</b> Cyclists that use alleys for travel must be aware of visibility problems for drivers, pedestrians and other cyclists.	1B, 2B
<b>B3 - Sidewalk conflicts:</b> Cyclists riding on sidewalks may not be operating at pedestrian speeds and are at risk of collision with pedestrians and with vehicles at every driveway, intersection, alley and business entrance.	1B, 2B, 3B, 14B
<b>B4 - Door zone:</b> Cyclists riding adjacent to parallel parked vehicles can not be expected to ride closer than three feet to parked vehicles. They are at risk for being hit or running into an opening car door. This type of collision between a car door and a cyclist is often referred to as "dooring," and is especially hazardous because cyclists can be thrown into travel lane.	4B
<b>B5 - Left turning conflicts:</b> Cyclists needing to turn left must navigate their way to left turn lane (or left lane) are at risk for being hit because they are no longer where they are more likely to be seen.	7B, 8B
<b>B6 - Right turning vehicles:</b> Cyclists proceeding straight through intersection are at risk for being hit by right turning vehicles. This type of collision is often referred to as a "right hook."	9B, 10B
<b>B7 - Right turn only lanes:</b> Cyclists proceeding straight through an intersection are at risk for being hit by right turning vehicles. Bicycle lanes or shared lanes end before intersections without providing a facility to allow cyclists to continue through safely.	9B, 11B, 12B
<b>B8 - Bicycle lanes improperly positioned at intersection:</b> Bicycle lanes are installed to right of Right Turn Only Lanes. Cyclists proceeding straight through intersection are at risk for being hit by right turning vehicles. This type of collision referred to as a "right hook."	9B, 11B
<b>B9 - Angled parking:</b> Cyclists riding behind angled parking are vulnerable to being backed into due to impeded visibility from adjacent vehicles.	10B
<b>B10 - Outside lane too narrow:</b> Outside travel lane too narrow for bicycle lanes to be installed and to share with vehicles.	1B, 4B, 8B, 13B

### **Table 17: Potential Solutions**

1B: Use caution, yield to slower users	
<b>2B:</b> Ride in designated bicycle lanes, routes or streets	
<b>3B:</b> Ride bicycle at pedestrian speed	
<b>4B:</b> Mark proper lane placement with Shared Lane Markings or "Sharrows"	
5B: Install a bicycle lane (6' preferred)	
<b>5B:</b> If space is available, install 3' striped buffer between bicycle lanes and parking lane edge	
7B: Install bike box	
<b>BB:</b> Increase bicycle awareness signage, "Share the Road" or "Bikes May Use Full Lane" or "Shared Road"	
<b>9B:</b> Add color to the bicycle lane at conflict points	
10B: Install reverse angled head-out parking for improved sight lines and increased safety	
11B: Install bicycle lanes between through travel and right-turn-only (RTL) lane	
12B: Follow Caltrans MUTCD Figures 9C-4 and 9C-5	
13B: Install Sharrows in through lane to direct cyclists through intersection	
14B: Create districts where cycling is not allowed on sidewalks	





1B) Sign and enforce appropriately when pedestrians and bicycles share sidewalks - Sacramento, CA



2B & 5B) Bicycle lanes on Pacific Coast Highway - Huntington Beach, CA



3B) Enforce reasonable cycling speed limits on facilities used by large numbers of pedestrians - Huntington Beach, CA



4B) Shared lane markings or "Sharrows" remind vehicle drivers to expect cyclists and help cyclists to properly place themselves within the roadway away from parked car doors. On streets with very high bicycle volumes, both purposes can be enhanced by supplementing markings with green paint -Oceanside and Long Beach, CA



6B) Buffering repurposes extra space from travel lanes to provide more distance between cyclists and vehicular parking or traffic. Extra space converted to buffering should be diagonally striped so it is not mistaken as a travel lane -Huntington Beach, CA



7B) Bike boxes are advanced stop bars for cyclists that provides them room to cue up in front of other vehicles waiting at a red light. While this treatment is still considered experimental, it is thought to increase cyclists' visibility, and therefore safety - Cambridge, MA



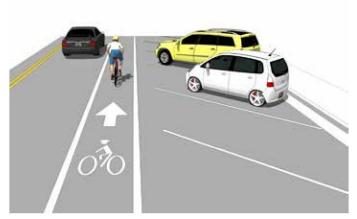


9B) Color in the bicycle lane, especially in trasition zones where vehicle drivers must cross bicycle lanes, is a highly visible reminder to expect cyclists there - Seattle, WA

-118-

OND

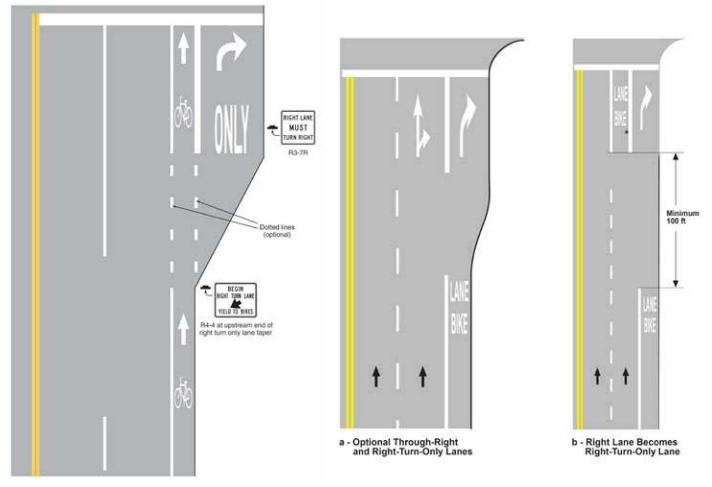




10B) Reverse angled parking greatly improves visibility of oncoming traffic, including cyclists, for vehicle drivers exiting parking stalls



11B) Bicycle lane properly installed between through travel lane and right-turn-only lane - Huntington Beach, CA



12B) Examples of Bicycle Lane Treatment at Right Turn Only Lane (2012 CA MUTCD)



13B) Shared lane marking directing cyclists through intersection -Philadelphia, PA



14B) Commercial district sign enforcing sidewalk policies -Coronado, CA

# **3.7 Recommended Bicycle Programs**

There has been a shift away from the traditional, compartmentalized "Five Es" approach developed by the League of American Bicyclists (Engineering, Education, Encouragement, Enforcement and Evaluation and Planning) and toward a more fully integrated and complementary menu of initiatives. By offering a menu rather than a prescriptive list, bicycle programming can more accurately address existing conditions and the desired outcomes of a given context. This approach allows for increased targeting of the "interested, but concerned" population of would-be cyclists and provides the greatest return on investment.

In addition to changes in the content and organization of bicycle programs, there has also been a shift in implementation strategies. Bicycle programs are increasingly targeted at specific project areas, often in conjunction with bicycle facility project construction. The implementation of a capital project represents a unique opportunity to promote a city's bicycle system and cycling as an attractive transportation option. According to the League of American Bicyclists', (Engineering) projects represent "...the most visible and perhaps most tangible evidence of a great place for bicycling" because new bicycle facilities attract the attention of cyclists and noncyclists alike. They represent great opportunities to reach out to the "interested, but concerned" within the neighborhood. Effect on this target group will be strongest by directly linking facility improvements and supportive programs. In this way, bundling bicycle programs with projects represents a much higher return on investment for both.

The programs recommended for the City of Moreno Valley are organized as a menu of initiatives, each listed under a broad category:

- Education/Encouragement/Marketing
- Education/Enforcement
- Monitoring and Evaluation

These categories are not definitive. They are merely intended to offer some level of organization to the many program initiatives, the majority of which fall into more than one category.

## Education/Encouragement/Marketing

## **1. Smart Trips Program Bundle**

Smart Trips is a generic name for community-based transportation demand management (TDM) programs that provide tools and incentives to make cycling (and often walking, ridesharing and transit) the preferred mode for particular trips. Traditionally, TDM programs are implemented as employerbased programs targeting the commute trip. Smart Trips are intended to complement efforts aimed at commute behavior by targeting other household trips. This is important because while many people find the prospect of commuting by bicycle daunting, they may be enticed to try riding for shorter trips around their neighborhood. Smart Trip programs have been shown to result in two to 14 percent reduction in drive-alone car trips and a significant increase in cycling.

Implementation of a variety of initiatives, leveraged as part of a Smart Trips program and delivered as a "bundle," has been important to the success of Smart Trips programs in other cities. The bundled delivery of Smart Trips initiatives (initiatives a-e, described below) allows for the saturation of a target audience within a target neighborhood and has been instrumental in maximizing limited outreach dollars.

#### a. Street Smarts Classes and Bicycle Ambassadors

This initiative promotes safe bicycling through communitybased outreach, which helps bridge the gap between people who want to start riding and the availability of opportunities to help people learn to bicycle safely. Ideally, safety would be taught through bicycle safety courses delivered at the Cycling Education Center (described below) and on city streets, as appropriate. A Bicycle Ambassador program has recently been initiated by the Inland Empire Biking Alliance. The City should support this program through funding or, at least, in-kind contributions. While the Bicycle Ambassadors may serve the community at large, their impact would be greatest when working within neighborhoods targeted for Smart Trips program, where cycling facilities are planned. Bicycle Ambassadors could also offer great value in areas and among populations with a high latent demand for cycling and in areas with high collision rates.



#### **b. Bicycle Friendly Businesses and Districts**

The City can promote the League of American Bicyclists' (LAB) Bicycle Friendly Business program among local businesses to encourage cycling by their employees and customers. Businesses then use their bicycle friendliness as part of marketing. Benefits to employees often include attractive and secure bicycle parking, locker rooms, showers and reimbursement for trips made by bicycle, via the Bicycle Commuter Benefit Act. Under this Act, companies can reimburse employees on a tax-free basis for "reasonable expenses" incurred as a bicycle commuter. This can include the purchase of a bicycle and almost any type of accompanying equipment and accessories such as lights, racks and clothing, up to the annual limit of \$240, or however much a company chooses to offer. Benefits to customers can include secure parking and discounts. Bicycle Friendly Business Districts combine the efforts of individual businesses to offer a more supportive and coherent cycling environment.

Application of this initiative would involve the promotion of Bicycle Friendly Business and District designation among businesses within the bikeway project areas and in conjunction with project implementation. A goal of this initiative would be establishing a scalable model for implementation for future bikeway projects within the City of Moreno Valley.

#### c. Community Bicycle Programs

Community bicycle programs, also known as Bike Kitchens, are commonly formed as grass roots initiatives by community members within low income and underserved communities to provide bicycles, helmets, maintenance and safety instruction to people as a means of expanding their transportation options and providing people better access to work and services. Existing Bike Kitchens serving communities surrounding Moreno Valley are Bike BBQ in Redlands, Loma Linda Bike Hospital in Loma Linda and Viva La Bike in Rancho Cucamonga.

The City of Moreno Valley should support the creation of a Bike Kitchen within its boundaries and leverage its resources in coordination with the bicycle facilities prioritized in the bicycle master plan. This combination will help to encourage an increase in cycling mode share, serve as a missing link in the public transit system, reduce GHG emissions and provide additional "green" jobs related to system management and maintenance. While it is likely infeasible to have a Bike Kitchen for each Smart Trips target area, any local Bike Kitchens and their resources should be marketed within those areas and directed towards target audiences.

#### d. Expand Traditional TDM – Employer Incentives

Existing TDM measures within the City of Moreno Valley include flexible work schedules, as well as Inland Empire Commuter Incentives offered by the Riverside County Transportation Commission (RCTC). Incentives offered are available to those switching from single occupancy vehicle trips to alternative modes and include both short-term and long-term perks (\$2 per day for the first three months and premium coupon booklets for continuing participants, respectively). While the Commute Incentive program could certainly expand its offerings related to bicycle trips, this is largely beyond the purview of the City of Moreno Valley.

The City could, however, work with the RCTC and local major employers to expand the reach and marketing of its existing program. In addition to marketing to major employers, the City could deliver targeted marketing of available TDM benefits within Smart Trips target areas. The targeted marketing could be used to leverage participation in special challenges and competitions hosted by the City and regional planning agencies, such as Bike to Work/School Challenges). The City should also work with the RCTC to ensure the provision of appropriate TDM end-of-trip amenities for cycling like safe and secure bicycle parking and Safe Routes to Transit, particularly for bikeways identified by the bicycle master plan.

#### e. Events - Bike Month

Have the Mayor proclaim May as Bike Month and participate in Bike to Work Week events. Host pit stops during Bike to Work Weeks and Days. To increase encouragement, host Bike to Work days more often, such as monthly. Promote Bike Month or monthly Bike to Work days heavily within Smart Trips target areas and among target populations.



### 2. Safe Routes to School

#### a. Expand Moreno Valley's Safe Routes to School Program

Inactivity, and even obesity, among school-aged children is among the greatest public health crises in America. Encouraging children to walk or bicycle to school is one important means of combating this epidemic and has the potential to instill lifelong healthy habits. Successful Safe Routes to Schools (SRTS) programs not only provide encouragement and support for walking and cycling, but address legitimate safety concerns of many parents. SRTS programs tackle safety issues through education and infrastructure improvements. Wherever possible, SRTS efforts should be integrated into the larger processes of planning and project implementation.

Best practices in SRTS education programs combine more traditional print media and classroom tactics with experiential courses and clinics. For example, the Alameda County SRTS program provides an array of education and safety programs including Educator Guides, Skills Drills Bicycle Safety Course, Bicycle Clinics, Bicycle Safety Certification Program and Bikemobile, a mobile repair clinic (*http://alamedacountysr2s.org/*).

Ideally, Moreno Valley's existing SRTS program could partner with a Traffic Garden (see Section 3.a.) to offer more comprehensive traffic safety education, teaching children the fundamental rules and responsibilities of all modes. Participating schools could make attendance for field trips to the Traffic Garden compulsory and recurring, a component of Physical Education, with activities tailored to age groups. Barring the availability of a Traffic Garden, a makeshift streetscape could be created with chalk, for example. Supplemental exercises in the mechanics of actually riding a bike, from basic to advanced bicycle handling skills, could be provided as needed at the Cycling Education Center.

SRTS efforts at infrastructure improvement are unique in their incorporation of youth perspectives. Youth are encouraged to participate at all phases and even to serve as a Safe Routes to School liaison. Though Moreno Valley already has a SRTS program, further funding may be available through additional Safe Routes to Schools Grants, available at both the federal and State level. This funding can be used for a variety of activities including site-specific evaluation and planning, infrastructure costs and education programs. Assistance with funding applications and program facilitation is available from local non-profits. More information can be found at: http://www.saferoutesinfo.org.

#### b. Promote the Walking School Bus and Bicycle Train

These are volunteer-based programs in which children are chaperoned by adults as in they walk or bicycle to school. Parents often cite safety issues for their reluctance to allow their children to walk or ride to school. Providing adult supervision may help reduce those worries for families who live within walking or bicycling distance to school. The Temecula Bike Train, led by Inland Empire Biking Alliance Board Mem-



Bike to School event with police officer - Phoenix, AZ

ber Zak Schwank, is one highly successful Riverside County example. This Bike Train occurs every Friday with 25 to 100 schoolchildren. Moreno Valley can start with one school as a pilot program and expand to other school if there is demand. These programs and volunteer efforts require coordination and potential attention to other issues, such as safety training and liability. These efforts can coincide with other educational programs such as visits to the Traffic Garden and should be highlighted in conjunction with any project implementation in the area (*https://www.facebook.com/BikeTrain*).

#### c. Participate in Walk and Bike to School Day

This one-day October event in more than 40 countries celebrates the many benefits of safely walking and cycling to school. Walking and rolling to school embodies the two main goals of First Lady Michelle Obama's Let's Move! Campaign: to increase children's physical activity and to empower parents to make these kinds of healthy choices. The National Center for Safe Routes to School, which serves as the clearinghouse for the federal Safe Routes to School (SRTS) program, coordinates online registration efforts and provides technical support and resources for Walk to School Day. For more information, go to *www.walktoschool.org*.



## Implement the Boltage Program at Schools

This program's goal is to increase the number of children regularly riding or walking to school using advanced technology to count and provide incentives. A solar-powered, Radio Frequency ID (RFID) tag reader called a Zap machine automatically registers RFID tags attached to backpacks or helmets. As they pass, the Zap machine registers the number of times children ride or walk to school and securely uploads the data to the Boltage web site so children can see how close they are to earning a prize. The Boltage program is not a competition, but simply an encouragement to get children to ride their bikes or walk to school more often. For more information on pricing and funding this program, go to www.boltage.org.

## 3. Cycling Education Center

Create a Cycling Education Center at the Civic Center Campus adjacent to City Hall and the Conference and Recreation Center. The Center would serve as a clearinghouse for cycling educational materials, electronic and printed, and host a variety of courses. Course material would be bicycle-specific and, in the case of the Traffic Garden (described below), cover general mobility. Bicycle-specific areas would include:

- Handling skills (balance, starting, maneuvering, stopping)
- Riding in traffic skills (riding predictably, signaling, merging, obeying applicable laws)
- Safety gear (helmets, lights, visible clothing)
- Other (basic maintenance, locking your bicycle)

The Civic Center Campus, with a substantial amount of unused brown-field land and its proximity to several compatible existing and future land uses, would serve as a logical umbrella organization for the cycling education center. Important existing facilities include schools, parks and other civic facilities. Important future facilities include the impending Metrolink transit station and the improved bicycle facilities proposed by this plan. The proximity of a Cycling Education Center to these uses represents a more integrated approach to bicycle programming, where facilities provide opportunities for education and where education enhances use of those facilities. The Center's proximity to many Moreno Valley schools would facilitate its use, as well as to several improved cycling facilities, including the yet-to-be-connected Aqueduct Trail. This type of synergistic land use not only allows for real world educational opportunities, but also promotion of the bicycle network and a better return on the City's investments.

Teaching skills courses will require the training of licensed cycling instructors. The training for League of American Bicyclists Cycling Instructors is done in groups as needed when the number of interested cyclists reaches a minimum number. The City, local bicycle club or the Bicycle Advisory Committee must coordinate efforts to gather interest from the Police Department, Engineering and Planning Departments, local volunteers, advocates and cyclists. In the case of a Traffic Garden, detailed knowledge of laws related to all modes would be required. For this reason, the City's designated law enforcement liaison (Initiative 9) may be the most suitable referee.



#### a. Build and Operate a Traffic Garden

Traffic Gardens are mini-streetscapes where elementaryage children operate pedal-powered vehicles. The goal is to teach them how to be responsible roadway users. They have been a fixture in European cities for decades and exist in several US cities as "Safety Towns." Traffic Gardens are usually owned by their host cities and centrally located and the city's schoolchildren take regular field trips to it. Once there, they all assume various roadway-user roles and are accordingly assigned different privileges and responsibilities. A big part of the appeal of this educational tool, especially for children, is the game aspect.

The game is based on the hierarchy of roadway users, where ambulances have top priority, followed by police vehicles, transit, cars/bikes and pedestrians. Everyone wants to drive the ambulance because it is the most powerful. No one wants to be a pedestrian. A police officer or school official stands watch over the children with a megaphone. If someone makes a poor decision or acts irresponsibly, they are called out and demoted, having to work their way back up the hierarchy. Children learn that they must earn their right to operate a vehicle and that, if they behave poorly, they will have that privilege taken away immediately and publicly.

While this tool is traditionally reserved for young children, it could just as easily be used to educate adults, particularly those charged with traffic violations. The recent proliferation of new pedestrian and bicycle facility types, such as bicycle boulevards, shared lanes, HAWK pedestrian crossings, etc., without adequate education increases the chance of violations by even conscientious roadway users. Traffic Gardens are a powerful educational tool because they are experiential and they require participants to experience the roadway through all modes. Education efforts aimed at understanding the "other" modes would be far less necessary if everyone used each mode from time to time. Barring this reality, Traffic Gardens offer a great simulation. The 2009 International Scan Team, a federally-sponsored delegation of pedestrian and bicycle professionals, was so impressed with Traffic Gardens they included them in their official policy recommendations.



Dutch traffic garden

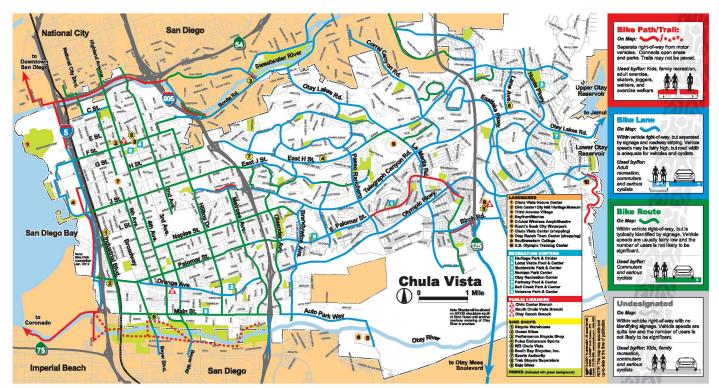


Washington Area Bicyclists Association traffic garden - Washington, DC

### 4. Maps and Signage

#### a. Produce an Updated Bicycle Facility Map

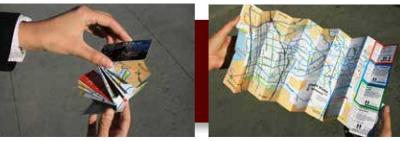
The bicycle system, built and planned, could be promoted through a publicity campaign and a user-friendly map that illustrates available utilitarian and recreational routes and their connection to regional routes. In addition to route location and distances, this map should include other essential information such as key destinations and rules of the road. While bicycle maps have traditionally included designations of facility type (Class 1, 2 and 3), the utility of this for the general public is increasingly questioned. Instead, information more directly related to preferred user experience, such as topography, traffic stress, the scenic or direct quality of a route, which varies from user to user, is seen as valuable. The flip side of the map is an excellent place to locate education materials and sponsorship information. If printing costs are prohibitive, seeking funding though grants and sponsorship is recommended. The cartography and graphic design work of the map may be taken on by students of a local GIS or design class. The map should be made available in both hardcopy and digital format, with the latter available for download via the City website. Lastly, it is critical to update the map as new bicycle facilities are implemented or facilities are changed.



Example bicycle system map (http://www.chulavistaca.gov/clean/conservation/climate/alternative.asp)

## Zmap Folding Maps

This is a proprietary folding map technology that allows users to quickly unfold and refold a map into an easy-to-carry pocket size package between cardstock covers.



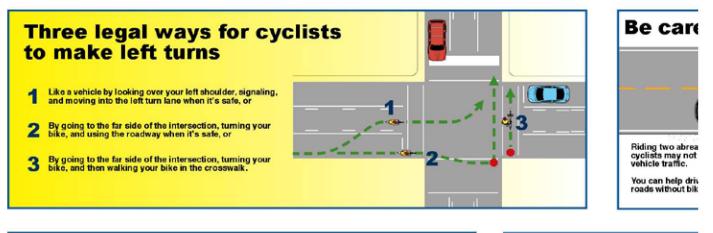
# SHARING THE ROAD SAFELY

Please take a moment to read through these tips to learn more about cycling safely in Oceanside.

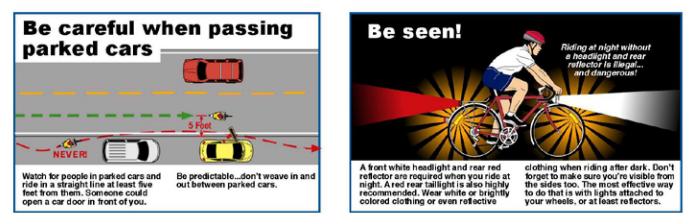
Be polite and be smart. Show respect for all road users and you'll get respect in return.

Remember: Cyclists and drivers share the same roads, have the same rights and responsibilities, and must follow the same rules.









Portion of example educational graphics from reverse side of bicycle system map (http://www.ci.oceanside.ca.us/civica/filebank/blobdload.asp?BlobID=23013)

#### b. Partner with Google to Proved Better Bicycle Directions

Consistent with the effort to make cycling an easy choice for a broad range of people, bicycle maps should "break out of the cyclist silo" and become an integrated component of general mobility wayfinding. Google Maps is chief among general wayfinding applications, and currently includes the option of selecting bicycling for travel directions, but is limited in its utility. While driving directions and transit directions include a menu of options for preferred user experience ("avoid highways, avoid tolls, shortest travel time, fewest connections, etc."), there are none for cycling. As suggested previously, tailored cycling directions, based on preferred user experience, offer the greatest value to the range of people who cycle. Moreno Valley may choose to share data generated for this bicycle master plan, such as stress level, network connectivity, etc., with Google to improve the interface and to promote cycling. This pilot project could serve to catalyze a nationwide upgrade of Google Maps.

#### c. Develop and Implement a Wayfinding System

Directional signage allows new cyclists and tourists alike to find their way to their destination or nearby landmark via a recommended route. Wayfinding signage directs people and provides information about destinations, directions and/or distances. A highly legible and well-executed wayfinding system has the potential to increase comfort and safety, through even diverse and chaotic environments. Wayfinding systems can also achieve community objectives, such as the promotion of a local attractions and the resultant benefit of economic development. When applied on a regional level, wayfinding can link adjacent communities.

People are the single most important component in developing a wayfinding strategy. Public input on preferred routes, important destinations and the signage itself has proven invaluable. In designing a wayfinding strategy or system, the following questions need to be considered:

- What user types are likely to use the wayfinding system?
- Where are these users going?
- What do the users or visitors want to see and hear?
- What is the primary goal: navigation, directional information, orientation, location information, or interpretation?
- Is a clear message being sent by the signage?
- Based on the expected user types, what are the safest or most logical paths or routes?



Street/bicycle boulevard signage - Vancouver, B.C.



Bicycle wayfinding signage - San Antonio, TX

There is considerable variation in wayfinding signage legibility and utility. Wayfinding system development for Moreno Valley should begin with a thorough examination of best practices and should conclude with a clear set of guidelines related to actual signage design and design of the signage system.





Bicycle wayfinding sign - Portland, OR



#### d. Install Advisory Signage along Popular Routes

Alert drivers to the presence of cyclists, particularly on a shared facility, or where there is no dedicated bicycle facility. The message should serve to both advise motorists and legitimize the presence of cyclists. Cycling is an important component of the transportation system and should be respected by other modes. While the "Bikes May Use Full Lane" Sign (R4-11) is commonly accepted and generally conveys the intended message, current discourse suggests the use of stronger language ("Shared Road") - and accompanying education - where appropriate. This phrasing is powerful because it is a statement of fact and implies legal consequence for violators, whereas "Bikes May Use Full Lane" and "Share the Road" sound more like pleading cautions. Regardless of the exact language used, this type of sign should accompany any Shared Lane Markings used. Ample education and marketing should be provided to explain all new signage.

## 5. Professional Development

Develop or facilitate the development of an Active Transportation Professional Development program for the Riverside County region. The program would be oriented toward professionals, advocates, and the members of the public who wish to further their education in bicycle and pedestrian planning and design. Professional affiliations to target for the program include engineers, planners, bicycle advisory committees, health professionals, teachers and school administrators and law enforcement.

Program coursework could provide continuing education units (CEUs) to some professionals. The curriculum could include the following courses:

- Transportation Planning
- Bicycle Data Capture and Analysis
- Bicycle Planning
- Bicycle Facility Design
- Pedestrian Data Capture and Analysis
- Pedestrian Planning
- Pedestrian Facility Design
- Best Practices in Active Transportation Policies
- Instituting "Complete Streets" and "Routine Accommodation" Policies

The program could be developed in a largely self-sufficient manner, with student fees covering a majority of the costs.

## 6. Marketing Campaigns

Build awareness and general appeal of cycling as a safe and common mode of transportation. Marketing is about more than advertising. Communication and promotion play important roles. To get people to see cycling as a desirable mode choice, and to pay attention to safety, they must be engaged through effective marketing. More engaged people will lead to more people riding bicycles and it will lead to more aware cyclists, drivers and pedestrians and more people who care about bicycle safety.

Typical marketing campaigns, especially those initiated by government agencies, tend to be too information-laden and uninspiring. Lessons from the field of marketing point to the proven effectiveness of positive messages that inspire people and get out more to ride. The objective is not to get everybody to ride bicycles all of the time, but rather to target those most ready to change.





Bicycle safety campaign posters - San Francisco and Pittsburgh, PA

Messages should inspire people to move from "might" to "sometimes" and from "sometimes" to "often." For example, a targeted message might be one directed at people who currently solely ride for recreation and have never considered a short errand trip within their neighborhood, but would be open to the suggestion. Good marketing would make that suggestion and inspire people in that market segment to try cycling in their neighborhood for short errands. Other messages might target the market of people ready to improve their riding techniques or even those who may never ride, but who might be encouraged to treat cyclists with more care and civility.



"Share the Road" banner - Newport Beach, CA

## 7. Host a Ciclovia and Other Signature Events

A Ciclovía (also ciclovia or cyclovia in English) is a Spanish word that translates into "bicycle path" and is used to describe either a permanently designated bicycle route or a temporary event where the street is closed to vehicles for use by people and non-motorized transportation. Ciclovia events are celebrations of livable streets and communities, encouraging citizens and businesses to get out in the street and enjoy their city through active participation. While Bogotá, Colombia is often credited with starting ciclovias, they have gained considerable popularity in the United States in the past five years.

While all Ciclovia events are alike in their creation of a peopleoriented, car-free space, they are otherwise unique. In some cities, the event occurs once or twice a year, while in others it occurs every Saturday or Sunday throughout the entire summer. Some cities re-use routes, while others, like Portland and Chicago, host the events in different locations around the city each weekend. Some routes form a circuitous route, while others are linear. Most include parks or other open public spaces. Most include music, performance, games and other activities, some of which is scripted and some spontaneous. Ciclovias often have a theme of health, exercise and active transportation and include groups promoting free, healthy activities stationed along the route. Ciclovia routes can incorporate and highlight new bikeways and preferred routes, encouraging their use and maximizing investment.

In addition to Ciclovias, the City can promote cycling through more sport-oriented events such as road and cyclocross rides and races. By joining forces with a local bicycle coalition (Inland Empire Biking Alliance or IEBA) or club, the City can maximize resources and participation. The City and the IEBA did just this for their inaugural "Ride MoVal" event in the fall of 2013. The event consisted of four routes, ranging in distance from five miles to a metric century (62 miles), with proceeds directed to Moreno Valley Unified School District sports programs. Organizers plan on making it an annual event along with a possible cyclocross race series.

Events focused on the sport of cycling are important because they promote cycling and people who cycle for recreation may consider cycling for everyday, utilitarian trips. The very act of cycling, of course, carries important co-benefits of health and wellness, but utilitarian cycling provides additional benefits associated with converting vehicle trips to cycling trips such as cleaner air, increased savings (for both cyclists and the local government) and increased stimulation of the local economy.





Ciclovia events (CicLAvia) - Los Angeles, CA



Ride MoVal event - Moreno Valley, CA

## **Education/Enforcement**

## 8. Educate All Police Department Staff Regarding Cycling Issues and concerns

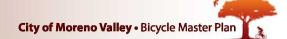
If the ultimate aim is to promote cycling as a legitimate form of transportation, all officers should receive some form of bicycle training and should be offered LCI training, if possible.



Police bicycle patrol - Easley, SC

## 9. Designate a Law Enforcement Liaison Responsible for Cycling Issues and Concerns

This liaison would be the main contact for Moreno Valley residents concerning bicycle-related incidents. This liaison would perform the important function of communication between law enforcement and cyclists. The liaison would be in charge of the supplemental education of fellow officers regarding bicycling rules, etiquette and behavior. The liaison could be the same person as the referee for the Traffic Garden and should be LCI certified, as well as ride a bicycle while on duty, as appropriate. Allocate funding for the training and support of this duty, as well as for necessary bicycle equipment.



### **10. Targeted Enforcement**

The Moreno Valley Police Department uses targeted enforcement to educate motorists and cyclists about applicable traffic laws and the need to share the road. These efforts are an effective way to expand motorist and cyclist education. Targeted enforcement should be expanded to warn and educate motorists and cyclists about laws, rules of the road and safety procedures. This could be in the form of a brochure or tip card explaining each user's rights and responsibilities. Targeted enforcement may help mitigate the following traffic safety problems:

- Speeding in school zones
- Illegal passing of school busses
- Parking violations bus zone, crosswalks, residential driveways, time zones
- · Risks to cyclists during drop-off and pick-up times
- · Lack of safety patrol/crossing guard operations
- Unsafe cycling practices
- · Other school zone traffic law violations

This approach has been successful in Los Angeles where four officers, one for each Police Department Traffic Division, have been dedicated solely to bicycle safety and outreach. Locally, the Riverside County Sheriff's Department garnered national attention with its "Gingerbread Man" crossing enforcement sting program. Its purpose is to educate drivers about the crosswalk laws and to make them more aware of the dangers of speeding and inattention, especially near schools. (http://blog.pe.com/breaking-news/2013/09/26/moreno-valley-ginger-bread-man-helps-nab-crosswalk-violators/)

## 11. Institute a Mobility Safety Program

Under this program, when stopping adult motorists, cyclists and pedestrians for minor traffic violations, law enforcement officers have the ability to issue an Adult Mobility Citation in lieu of a regular Traffic Citation. Under this program, individuals are offered two choices. They can either contest or ignore the citation, in which case it is forwarded to the courts and treated as a normal traffic citation, or they can attend a Mobility Safety Program to have the citation waived. A Mobility Safety Program should be conducted for a specific number of hours and be designed to decrease traffic collisions and encourage safe behavior for all modes.

### 12. Distribute Lights and Helmets to Cyclists

If law enforcement officers observe a cyclist riding at night without the proper reflectors or lights, they may give the cyclist a light along with a note or friendly reminder about the light requirement and its importance. This provides a positive and educational interaction rather than a punitive one. This program could be funded through a safety-oriented grant. Many cities have targeted the end of daylight savings as an ideal time to perform this function.

Helmet giveaway programs are another opportunity for positive education and interaction. Law enforcement departments have conducted public events to hand out helmets, as well as distributing them in the community during the course of patrol when an officer sees a child riding helmetless.



Riverside County Sheriff traffic enforcement - Moreno Valley, CA



Helmet giveaway - San Diego, CA

## **Monitoring and Evaluation**

## 13. Create City Staff Bicycle Coordinator Position

The creation of a Bicycle Coordinator position would demonstrate the City's commitment to cycling and "Complete Streets." A bicycle coordinator or program manager can help coordinate between City departments to ensure projects planning consistency and cooperation. A bicycle coordinator would manage programs and implement projects listed in the bicycle master plan, and would be responsible for updating the plan in a timely manner. This includes maintaining a prioritized list of improvements, updating cost estimates and identifying appropriate funding sources. This investment in staff is often returned since this position usually is responsible for securing State and federal funding for bicycle projects.

## 14. Bicycle Pedestrian Advisory Committee

A Bicycle Advisory Committee (BAC) assists the City with implementation of plan projects, policies and programs. The BAC allows City staff, volunteers and bicycle advocates to continue efforts to improve cycling throughout the City. This group acts as a community liaison and addresses issues concerning local cycling. The BAC can review the implementation and regularly evaluate the progress of improvements in the Bicycle Master Plan. City support is imperative for creating the committee, budgeting time and resources for City staff and elected officials to attend and to support these meetings. Some cities have developed bicycle and pedestrian or active transportation advisory committees.

## 15. Count Cyclists and Review Collision Data

Conduct regular cyclist counts throughout the City to determine baseline mode share and subsequent changes. Gathering cyclist counts would allow the City to collect information on where the most cycling occurs. This assists in prioritizing and justifying projects when funding is solicited and received. Counts can also be used to study cycling trends throughout the City. Analysis that could be conducted includes:

- Changes in volumes before and after projects have been implemented
- Prioritization of local and regional projects
- Research on clean air change with increased bicycle use

Counts should be conducted at the same locations and at the same times every year. Conducting counts during different seasons within the year may be beneficial to understanding the differences in bicycle traffic volumes based on weather. In addition, bicycle counts should be collected as part of any existing traffic counts. Results of the number of cyclists should be regularly recorded for inclusion in the bicycle report card (See section 17).

The Moreno Valley Police Department should continue to collect and track collision data. Regular reports of traffic collisions should be presented at the Bicycle Advisory Committee. Traffic collisions involving cyclists could be reviewed and analyzed regularly to develop plans to reduce their frequency and severity. Any such plans should include Police Department involvement and should be monitored to determine their effectiveness. Results of the number of bicycle-related traffic collisions should be recorded in the bicycle report card.

## **16. Law Enforcement Referral Process**

Design a communication process that encourages students and parents to notify the school and police of the occurrence of a crash or near-miss during school commute trips involving auto, bus, pedestrian or bicycle transportation. Include not only the Police Department, but also the Traffic Safety Commission, the Planning Department and SRTS stakeholders in this reporting system to help better use data generated. Enlist the help of law enforcement with a number of traffic safety duties:

- Enforcement of traffic and parking laws through citations and warnings.
- Targeted enforcement of problem areas an intensive, focused effort during the first two weeks of school, as well as a strategy for the rest of the year.
- Participation in traffic safety programs: Traffic Garden, SRTS Task Force, etc.

Los Angeles has a successful program called the LA Bike Map that allows cyclists to submit incidents, see them displayed instantly, and study the overall pattern, dynamically, in one place.

## 17. Develop a Bicycle Report Card

The City could develop a bicycle report card, a checklist used to measure the success of plan implementation, as well as effort made, within the City. The report card could be used to identify the magnitude of accomplishments in the previous year and general trends. The bicycle report card could include, but not be limited to, keeping track of system completion, user counts and bicycle related collisions.

The City can use the report card to track trends, placing more value on relative than absolute gains (in system completion, mode share and safety). For example, an upward trend in travel by bicycle would be viewed as a success, regardless of the specific increase in the number of cyclists. Safety should be considered relative to the increase in cyclists. Sometimes crash numbers go up simply because cycling increases, at least initially. Instead, measure crashes as a percentage of an estimated overall mode share count.

A major portion of the bicycle report card would be an evaluation of system completion. An upward trend would indicate that the City is progressing in its efforts to complete the bicycle network identified in this document. The report card could be developed to utilize information collected as part of annual and on-going evaluations, as discussed in the previous sections. The report card is not intended to be an additional task for City staff, but rather a means of documenting and publicizing the City's efforts related to bicycle planning. If a Bicycle Advisory Committee is appointed, it can be a task of the committee to review the report cards and adjust future plans and goals accordingly.

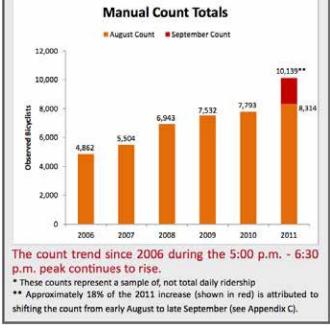
In addition to quantifying accomplishments related to the bicycle plan, the City should strive to quantify its efforts. These may be quantified as money spent, staff hours devoted or other in-kind contributions. The quantified effort should be submitted as a component of the bicycle report card. Some cities publish their bicycle report cards online.

## 18. Apply for Bicycle Friendly Community/ Neighborhood Designation

Bicycle Friendly Community/Neighborhood Designation is part of an official program offered by the League of American Bicyclists intended to provide communities with guidance on becoming more bicycle friendly and to offer recognition for their achievements. Like the report card described above, applying for Bicycle Friendly Community/Neighborhood Designation provides a standard by which Moreno Valley can measure its progress. From the LAB's own website:

#### Key Findings in San Francisco Bicycling for 2011

- Since 2006, counts have increased an impressive 71% and are up 7% since 2010.
- A sample of 10,139 riders (September) were manually counted in the peak 90 minutes; approximately 75,000 bike trips occur each day out of 2.2 million total trips across all modes
- SFMTA survey data in 2011 indicate that 3.5%<sup>3</sup> of all trips in San Francisco are made by bicycle, a 75% increase in mode share since 2000 when bicycling was 2% of daily trips
- Late September has 18% more riders than early August



94% of riders use bicycle facilities as designed



"The Bicycle Friendly Community (BFC) program provides a roadmap to improve conditions for bicycling and the guidance to make your distinct vision for a better, bikeable community a reality. A community recognized by the League as Bicycle Friendly welcomes bicyclists by providing safe accommodation for cycling and encouraging people to bike for transportation and recreation."



# **Bikeway Funding**

## 4.1 Cost Estimates

The proposed bicycle facilities support the goal of improving connectivity and generally expanding the dedicated bicycle network. Cost estimates were developed based on recent construction bid results in California. All costs are assumed to be in 2014 dollars.

Tasks needed to be accomplished prior to facility design, such as environmental clearance, can sometimes be even higher than actual project construction costs. This is generally addressed on a case-by-case basis since not all projects will require such additional analysis. For example, Class 2 bicycle lanes are generally exempt from CEQA review.

This section provides planning-level construction cost estimates for the facilities listed in the plan and the methodology behind the cost estimation. Note that these figures do not include right-of-way acquisition or utility relocation.

Costs were based on recent construction bid data for materials costs, assumptions for facility geometry and recent experience with similar projects in southern California. All of the costs include the following assumed additional factors:

#### **Construction Cost**

Contingency	20 percent
Bonding/Mobilization/Contractor Int Mngt	7.5 percent
Total:	27.5 percent

#### Design/Management/Permitting/Engineering

Total:	25.0 percent
Traffic Management Services	<u>3 percent</u>
Project Management	3 percent
Bid Support Services	3 percent
Permitting	2 percent
Environmental Clearance	4 percent
Engineering/Design	10 percent

#### **Class 1 Multi-use Path Costs**

Unlike Class 2 and 3 facilities, Class 1 paths are separate from roadways, meaning that planning level cost estimation requires a measure of preliminary design to address conditions and to determine feasibility. For this reason, relatively detailed cost estimates were developed for each proposed Class 1 segment. This is in contrast with the other facility types, which occur on-street and for which per-mile costs can be generally applied.

#### **Class 2 Bicycle Lane Costs**

Class 2 bicycle lane cost can fall within a range of potential conditions. At the low end, it assumes that adequate space exists within the roadway to simply add bicycle lane striping and markings without modifying the roadway further, that the roadway is in good condition and does not require maintenance or rehabilitation as part of the striping project, and no modifications to intersection signal equipment are assumed.

At the next level of complexity, there is sufficient curb-to-curb width to install bicycle lanes, but modifications to existing striping would be necessary. This includes removal of existing striping and installation of new striping, as well as slurry-seal maintenance. This could include a reduction in vehicle lanes or narrowing of existing lanes.

The high end in terms of cost occurs where the curb-to-curb width is not sufficient to install bicycle lanes and the roadway would need to be widened by at least 10 feet to accommodate them. This could therefore include widened pavement sections, new curb, gutter and sidewalk, and street light relocation. Intersections may also need to be modified to move signal equipment and install new curb returns.

Proposed bicycle lanes were assigned an average per-mile cost of \$58,080.

#### **Class 3 Bicycle Route Costs**

This category assumes signage and shared-use pavement markings ("Sharrows") only along the length of the route at intervals of 0.25 miles in each direction and at intersections, and that the roadway does not require rehabilitation or pre-construction maintenance. Class 3 bicycle routes were assigned an average per-mile cost of \$13,200.

#### **Bicycle Boulevard Costs**

Bicycle boulevards are essentially Class 3 route facilities that may feature physical roadway modifications such as traffic calming measures or changes in intersection priority or access. Bicycle boulevard projects can therefore vary widely in cost, primarily due to the level of physical construction designed into them.

Because bicycle boulevards need to be evaluated in more detail to determine the extent of desired modification, this plan assumes that their costs are equivalent to those of typical Class 3 facilities employing signage and pavement markings only, to be revised as needed in final design prior to implementation.

#### Class 1 Multi-use Path Construction Cost Estimate Summary Class 3 Bicycle Route Construction Cost Estimate Summary

DID	Project Name	Length (FT)	Cost (USD)
1	Juan Bautista De Anza Trail - P8	15,297	\$5,116,559
2	Juan Bautista De Anza Trail - P4	2,188	\$775,504
3	Juan Bautista De Anza Trail - P6	2,095	\$670,274
4	Juan Bautista De Anza Trail - P3	3,557	\$1,207,683
5	Juan Bautista De Anza Trail - P1	5,605	\$1,567,109
6	Juan Bautista De Anza Trail - P5	6,749	\$2,147,334
7	Juan Bautista De Anza Trail - P7	1,514	\$595,547
8	Moreno Valley College Path	11,991	\$3,089,831
9	Kitching Aqueduct Path	23,577	\$7,282,306
10	Graham St Bike/Ped Bridge	530	\$412,982
11	Juan Bautista De Anza Trail - P2	3,839	\$1,159,684
12	Juan Bautista De Anza Trail - P9	2,777	\$948,712
13	Rancho Verde High School Path	2,486	\$637,042
14	South City Aqueduct Path	16,956	\$4,360,686

PID	Project Name	Length (FT)	Cost (USD)
1	Graham Street	1,823	\$4,558
2	Hemlock Avenue	8,001	\$20,003
3	Cottonwood Avenue	11,120	\$27,800
4	Day Street	5,289	\$13,223
5	Camino Bellagio/Via Pamplona	1,568	\$3,920
6	Brodiaea Avenue	26,430	\$66,075
7	Davis Street	6,923	\$17,308
8	Indian Street	5,335	\$13,338
9	Morton Road	3,876	\$9,690
10	Parkland Avenue	1,921	\$4,803
11	Locust Avenue	6,626	\$16,565

#### **Class 2 Bicycle Lane Construction Cost Estimate Summary**

PID	Project Name	Length (FT)	Cost (USD)
1	Alessandro Boulevard	42,492	\$467,412
2	Lasselle Street	13,911	\$153,021
3	Iris Avenue	20,283	\$223,113
4	Heacock Street	40,335	\$443,685
5	Pigeon Pass Road	9,056	\$99,616
6	Graham Street	10,969	\$120,659
7	Perris Boulevard	13,939	\$153,329
8	Cactus Avenue	31,530	\$346,830
9	Ironwood Avenue	32,320	\$355,520
10	Sunnymead Boulevard	13,329	\$146,619
11	Cottonwood Avenue	7,921	\$87,131
12		7,939	\$87,329
13	Eucalyptus Avenue	52,029	\$572,319
14	Moreno Beach Boulevard	20,035	\$220,385
15	Frederick Street	9,896	\$108,856
	Towngate Avenue	3,471	\$38,181
17	Kitching Street	23,747	\$261,217
18	Box Springs Road	5,304	\$58,344
19	Elder Avenue	11,130	\$122,429
20	Gentian Avenue	7,808	\$85,888
21	Centerpoint Drive	1,721	\$18,931
22	Hemlock Avenue	10,905	\$119,955
23	Old Lake Drive	2,691	\$29,601
24	Elsworth Street	7,886	\$86,746
25	Redlands Boulevard	18,677	\$205,447
26	Fir Ave	1,049	\$11,539
27	Krameria Avenue	11,778	\$129,558
28	Oliver Street	5,382	\$59,202
29	Morrison Street	7,985	\$87,835
30	Old 215/Valley Springs Parkway	9,253	\$101,783
31	Nason Street	13,308	\$146,388

#### **Bicycle Boulevard Construction Cost Estimate Summary\***

PID Project Name	Length (FT)	Cost (USD)
1 Bay Avenue	12,825	\$32,063
2 Delphinium Avenue	10,522	\$26,305
3 Dracaea Avenue	23,825	\$59,563
4 Fir Avenue	15,844	\$39,610
5 Gentian Avenue	2,723	\$6,808

\*Note: Bicycle boulevards have not yet been widely implemented, so no widely accepted standards exist. Their costs are therefore highly variable and can increase significantly if the full range of potential physical improvements are included, such as motor vehicle traffic diverters, median refuge islands, roundabouts, street trees, improved lighting, etc.

These cost figures reflect the extreme low range with minimal physical improvements matching those of Class 3 bicycle routes, which typically include signage and shared lane ("Sharrow") markings only.

## **Class 1 Multi-Use Path Construction Cost Estimates**

Project Segment: Juan Bautista de Anza Trail - Segment P1				
Project Length (Feet)  Project Length (Miles)	<u>5,605</u> 1.06			
Items	Unit Cost	Unit	QTY	Cost Estimat
emolition				
Clear and Grub	<b>\$</b> 1	SF	67,260	\$67,260
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	5,605	\$235,410
Asphalt	\$4	SF	67,260	\$269,040
Excavate and Export 1,000-20,000	\$35	CY	4,982	\$174,378
Removing Traffic Stripes	\$4	LF D	5,605 emolition Totals:	\$22,420 \$768,508
avina			-	•
aving Asphalt	\$2	SF	67,260	\$134,520
Curb Ramps	\$1,000	EA	16	\$16,000
Truncated Dome	\$400	EA	16	\$6,400
			Paving Totals:	\$156,920
ignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	16	\$5,600
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	16	\$2,880
Bicycle Detector Loop	\$700	EA	16	\$11,200
Wayfinding/Informative Signs	\$350	EA	22	\$7,700
Regulatory Signs (Stop signs, etc.)	\$350	EA	32	\$11,200
			Signage Totals:	\$38,580
oad Striping	•			AE 00E
Centerline Striping	\$1	LF	5,605	\$5,605
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	EA	1	\$5,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	5 Striping Totals:	\$15,000 <b>\$25,605</b>
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1	\$22,000
Refuge Island	\$16,000	ĒÂ	·····	\$16,000
	<b>*</b> · • <b>;</b> • • •		Measure Totals:	\$38,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$1,027,613
		0		TRUCTION CO
Dending / Mo	hilization / Contro		ontingency (20%):	\$205,523
Bonaing / Mo			nagement (7.5%): RUCTION COST:	\$77,071
			ENT / PERMITTING	\$282,594
	DEGIGI		ig / Design (10%):	\$102,761
			Il Clearance (4%):	\$41,105
			Permitting (2%):	\$20,552
		Bid Supp	ort Services (3%):	\$30,828
			lanagement (3%):	\$30,828
	т	raffic Manageme	ent Services (3%):	\$30,828
			TAL SOFT COST:	\$256,903

Project Segment: Juan Bautista de Anza Trail - Segment P2				
Project Length (Feet) [ Project Length (Miles)	3,839 0.73			
Items	Unit Cost	Unit	QTY	Cost Estimate
Demolition				
Clear and Grub	\$1	SF	46,065	\$46,065
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	3,839	\$161,229
Asphalt	\$4	SF	46,065	\$184,261
Excavate and Export 1,000-20,000	\$35	CY	3,412	\$119,429
Removing Traffic Stripes	\$4	LF _	3,839	\$15,355
		D	emolition Totals:	\$526,339
aving				
Asphalt	\$2	SF	46,065	\$92,131
Curb Ramps	\$1,000	EA	8	\$8,000
Truncated Dome	\$400	ĒA	88	\$3,200
			Paving Totals:	\$103,331
ignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	8	\$2,800
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	8	\$1,440
Bicycle Detector Loop	\$700	EA	8	\$5,600
Wayfinding/Informative Signs	\$350	EA	10	\$3,500
Regulatory Signs (Stop signs, etc.)	\$350	EA	16 Signage Totals:	\$5,600 <b>\$18,940</b>
				¥10j0-10
oad Striping Centerline Striping	\$1	LF	3,839	\$3,839
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	ĒA	4	\$10,000
······································	<b>4</b> =1000		Striping Totals:	\$13,839
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1	\$22,000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	1	\$60,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safety	/ Measure Totals:	\$98,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$760,449
				RUCTION COS
			ontingency (20%):	\$152,090
Bonding / Mo	bilization / Contrac			\$57,034
				\$209,123
	DESIGN		ENT / PERMITTING	
		Engineerii	ng / Design (10%):	\$76,045
		Environmenta	al Clearance (4%):	\$30,418
		Rid Supr	Permitting (2%): ort Services (3%):	\$15,209
			Management (3%):	\$22,813 \$22,813
	Tr	affic Managem	ent Services (3%):	\$22,813 \$22,813
	10		TAL SOFT COST:	\$190,112
		10		φ130,11Z

TOTAL COST: \$1,159,684

#### **Class 1 Multi-Use Path Construction Cost Estimates**

Project Length (Feet)	3,557			
Project Length (Miles)	0.67			
Items	Unit Cost	Unit	QTY	Cost Estimat
molition				
Clear and Grub	\$1	SF	42,685	\$42,685
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	3,557	\$149,399
Asphalt	\$4	SF	42,685	\$170,742
Concrete Pavement	\$9	SF	2,445	\$22,005
Excavate and Export 1,000-20,000	\$35	CY	3,162	\$110,666
Removing Traffic Stripes	\$4	LF	3,557	\$14,228
		L	Demolition Totals:	\$509,725
ving				
Asphalt	\$2	SF	42,685	\$85,371
Curb Ramps	\$1,000	EA	14	\$14,000
Truncated Dome	\$400	EA	<u>14</u>	\$5,600
			Paving Totals:	\$104,971
nage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	14	\$4,900
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	14	\$2,520
Bicycle Detector Loop	\$700	EA	14	\$9,800
Wayfinding/Informative Signs	\$350	EA	19	\$6,650
Regulatory Signs (Stop signs, etc.)	\$350	EA	28 Signage Totals:	\$9,800 \$33,670
ad Ohisiaa				
ad Striping Centerline Striping	\$1	LF	3,557	\$3,557
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	ĒA	1	\$5,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	6	\$15,000
((*)	<b>4</b> -1000		Striping Totals:	\$23,557
hanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	2	\$44,000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	1	\$60,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safet	y Measure Totals:	\$120,000
ost estimate does not include land acquisition or utilities			Base Line Cost:	\$791,923
				TRUCTION CO
			Contingency (20%):	\$158,385
Bonding / Mo	bilization / Contrac	tor Internal Ma	anagement (7.5%):	\$59,394
	_	TOTAL CONS	TRUCTION COST:	\$217,779
	DESIGN		ENT / PERMITTING	
			ng / Design (10%):	\$79,192
		Environment	al Clearance (4%): Permitting (2%):	\$31,677
			remuliu (2%).	\$15,838
		Bid Que		\$22,220
			port Services (3%):	\$23,758
	Tr	Project	port Services (3%): Management (3%):	\$23,758 \$23,758
	Tn	Project i affic Managem	port Services (3%):	\$23,758

Project Length (Feet)	2,188					
Project Length (Miles)	0.41					
Items	Unit Cost	Unit	QTY	Cost Estimat		
emolition						
Clear and Grub	\$1	SF	26,257	\$26,257		
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	2,188	\$91,899		
Asphalt Excavate and Export 1,000-20,000	\$4 \$35	SF CY	26,257 1,945	\$105,028 \$68,074		
Removing Traffic Stripes	\$4 \$4	LF	2,188	\$8,752		
	ψ-		emolition Totals:	\$300,010		
aving						
Asphalt	\$2	SF	26,257	\$52,514		
Curb Ramps	\$1,000	EA	6	\$6,000		
Truncated Dome	\$400	EA	6 Paving Totals:	\$2,400 <b>\$60,914</b>		
			Faving Totals.	<b>\$00,514</b>		
ences and Gates 5' Chainlink Fence	\$18	LF	2,188	\$39,385		
	<b>4</b> 10		and Gates Totals:	\$39,385		
ridges						
Pedestrian/Bicycle Culvert Bridge	\$100	LF	85 Bridge Teteler	\$8,500		
			Bridge Totals:	\$8,500		
gnage/Wayfinding Bicycle Path Signs (with core drilling)	\$350	E A	â	\$2,100		
Bicycle Paur Signs (with core drilling) Bicycle Lane/Sharrow Marking, Paint	\$350 \$180	EA EA	6	\$2,100 \$1,080		
Bicycle Land Shartow Marking, Faint	\$700	EA	6	\$4,200		
Wayfinding/Informative Signs	\$350	EA	7	\$2,450		
Regulatory Signs (Stop signs, etc.)	\$350	ĒA	12	\$4,200		
	0.0000000		Signage Totals:	\$14,030		
oad Striping						
Centerline Striping	\$1	LF	2,188	\$2,188		
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	EA	1	\$5,000		
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	1 Striping Totals:	\$2,500 <b>\$9,688</b>		
nhanced Safety Measures						
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	1	\$60,000		
Refuge Island	\$16,000	ĒA	1	\$16,000		
		Safety	/ Measure Totals:	\$76,000		
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$508,527		
			CONS	TRUCTION CO		
			ontingency (20%):	\$101,705		
Bonding / Mo			nagement (7.5%):	\$38,140		
			RUCTION COST:			
	DESIGN		ENT / PERMITTING	5 / ENGINEERII \$50,853		
	Engineering / Design (10%): \$50,853 Environmental Clearance (4%): \$20,341					
			Permitting (2%):	\$10,171		
			ort Services (3%):	\$15,256		
			lanagement (3%):	\$15,256		
	Tra		ent Services (3%):	\$15,256		
		TO	TAL SOFT COST:	\$127,132		
			TOTAL COST:	\$775,504		

## **Class 1 Multi-Use Path Construction Cost Estimates**

Project Segment: Juan Bautista de Anza Trail - Segment P5				
Project Length (Feet) [ Project Length (Miles)	6,750 1.28			
Items	Unit Cost	Unit	QTY	Cost Estimate
Demolition				
Clear and Grub	\$1	SF	80,996	\$80,996
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	6,750	\$283,488
Asphalt	\$4	SF	80,996	\$323,986
Excavate and Export 1,000-20,000	\$35	CY	6,000	\$209,991
		De	emolition Totals:	\$898,461
Paving				
Asphalt	\$2	SF	80,996	\$161,993
Curb Ramps	\$1,000	EA	8	\$8,000
Truncated Dome	\$400	EA	88	\$3,200
			Paving Totals:	\$173,193
ences and Gates				
5' Chainlink Fence	\$18	LF	6,750	\$121,495
		Fences a	nd Gates Totals:	\$121,495
Bridges				
Pedestrian/Bicycle Culvert Bridge	\$100	LF	85	\$8,500
	•		Bridge Totals:	\$8,500
Signage/Wayfinding	#0E0	E A		£0.000
Bicycle Path Signs (with core drilling)	\$350	EA	8	\$2,800
Bicycle Lane/Sharrow Marking, Paint Bicycle Detector Loop	\$180 \$700	EA		\$1,440 \$5,600
Wayfinding/Informative Signs	\$350	EA	8	\$3,500
Regulatory Signs (Stop signs, etc.)	\$350	EA EA	10 16	\$5,600
	φυυυ		Signage Totals:	\$18,940
and Obtining				
Road Striping High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	7	\$17,500
	<b>\$</b> 2,000	<u> </u>	Striping Totals:	\$17,500
nhanced Safety Measures			_	
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	7	\$154,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safety	Measure Totals:	\$170,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$1,408,088
			CONST	RUCTION COS
		Co	ontingency (20%):	\$281,618
Bonding / Mo	obilization / Contrac	tor Internal Mar	nagement (7.5%):	\$105,607
•			RŬCTION COST:	\$387,224
	DESIGN	/ MANAGEME	NT / PERMITTING	/ ENGINEERIN
			g / Design (10%):	\$140,809
			Clearance (4%):	\$56,324
			Permitting (2%):	\$28,162
		Bid Suppo	ort Services (3%):	\$42,243
		Project M	anagement (3%):	\$42,243
	Tr	affic Manageme	nt Services (3%):	\$42,243
			AL SOFT COST:	\$352,022
			TOTAL COST:	\$2,147,334
				Ψ£,147,334

Project Segment: Juan Bautista de Anza Trail - Segment P6				
Project Length (Feet) [ Project Length (Miles)	2,095 0.40			
Items	Unit Cost	Unit	QTY	Cost Estimate
Demolition				
Clear and Grub	\$1	SF	25,143	\$25,143
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	2,095	\$88,002
Asphalt	\$4	SF CY	25,143 1,862	\$100,574 \$65,187
Excavate and Export 1,000-20,000 Removing Traffic Stripes	\$35 \$4	LF	2,095	\$8,381
Removing frame supes	ψ <del>4</del>		Demolition Totals:	\$287,287
aving			_	
Asphalt	\$2	SF	25,143	\$50,287
Curb Ramps	\$1,000	ËA	8	\$8,000
Truncated Dome	\$400	EA	8	\$3,200
			Paving Totals:	\$61,487
ences and Gates				
5' Chainlink Fence	\$18	LF	2,095	\$37,715
		Fences	and Gates Totals:	\$37,715
ignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	8	\$2,800
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	8	\$1,440
Bicycle Detector Loop	\$700	EA	8	\$5,600
Wayfinding/Informative Signs	\$350	EA	10	\$3,500
Regulatory Signs (Stop signs, etc.)	\$350	EA	16 Signage Totals:	\$5,600 <b>\$18,940</b>
Annual Odulina in an				
toad Striping Centerline Striping	<b>\$</b> 1	LF	2,095	\$2,095
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	EA	1	\$5,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	2	\$5,000
			Striping Totals:	\$12,095
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA Safet	1 y Measure Totals:	\$22,000 <b>\$22,000</b>
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$439,524
		C	contingency (20%):	\$87,905
Bonding / Mo	obilization / Contrac	ctor Internal Ma	anagement (7.5%):	\$32,964
			IRUCTION COST:	\$120,869
	DESIGN		ENT / PERMITTING	
			ng / Design (10%):	\$43,952
		Environment	al Clearance (4%):	\$17,581
		Bid Quar	Permitting (2%):	\$8,790
			oort Services (3%): Management (3%):	\$13,186 \$13,186
	Tr		ent Services (3%):	\$13,186
		TO	TAL SOFT COST:	\$109,881
			TOTAL COST:	\$670,274
				₩01Uj£14

#### **Class 1 Multi-Use Path Construction Cost Estimates**

Project Length (Feet) Project Length (Miles)	1,515 0.29			
Items	Unit Cost	Unit	QTY	Cost Estimate
emolition				
Clear and Grub	<b>\$</b> 1	SF	18,176	\$18,176
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	1,515	\$63,615
Asphalt	\$4	SF	18,176	\$72,702
Excavate and Export 1,000-20,000	\$35	CY	1,346	\$47,122
Removing Traffic Stripes	\$4	LF	1,515 Demolition Totals:	\$6,059 <b>\$207,673</b>
			Demontion Totals.	\$207,073
ving				
Asphalt	\$2	SF	18,176	\$36,351
Curb Ramps	\$1,000	EA	4	\$4,000
Truncated Dome	\$400	EA	4	\$1,600
			Paving Totals:	\$41,951
nces and Gates				
5' Chainlink Fence	\$18	LF	1,515	\$27,263
		Fences	and Gates Totals:	\$27,263
gnage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	4	\$1,400
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	4	\$720
Bicycle Detector Loop	\$700	EA	4	\$2,800
Wayfinding/Informative Signs	\$350	EA	4	\$1,400
Regulatory Signs (Stop signs, etc.)	\$350	EA	8	\$2,800
			Signage Totals:	\$9,120
bad Striping				
Centerline Striping	\$1	LF	1,515	\$1,515
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	2	\$5,000
			Striping Totals:	\$6,515
hanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1	\$22,000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	1	\$60,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safe	ty Measure Totals:	\$98,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$390,523
				TRUCTION CO
			Contingency (20%):	\$78,105
Bonding / Mo			anagement (7.5%):	\$29,289
	ן	TOTAL CONS	TRUCTION COST:	\$107,394
	DESIGN			
		Engineer	ing / Design (10%):	\$39,052
		Environmen	tal Clearance (4%):	\$15,621
		D:4 0	Permitting (2%):	\$7,810
			port Services (3%):	\$11,716
	-		Management (3%):	\$11,716
	Ira	amic Manager T	nent Services (3%): OTAL SOFT COST:	\$11,716 <b>\$97,631</b>
		•		+,++

Project Length (Feet)	15,298			
Project Length (Miles)	2.90			
Items	Unit Cost	Unit	QTY	Cost Estimate
emolition				
Clear and Grub	\$1	SF	183,572	\$183,572
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	15,298	\$642,502
Asphalt	\$4	SF	183,572	\$734,288
Excavate and Export 1,000-20,000	\$35	CY	13,598	\$475,928
Removing Traffic Stripes	\$4		15,298 Demolition Totals:	\$61,191 <b>\$2,097,481</b>
		-		\$2,007,101
aving	\$2	QE.	183,572	\$367,144
Asphalt		SF	48	\$48,000
Curb Ramps Truncated Dome	\$400	EA EA	40 48	\$19,200
Tuncated Donie	ψ <del>+</del> 00	LA	Paving Totals:	\$434,344
ences and Gates			-	
5' Chainlink Fence	\$18	LF	15,298	\$275,358
	0.000	Fences	and Gates Totals:	\$275,358
ignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	48	\$16,800
Bicycle Lane/Sharrow Marking, Paint	\$180	ĒA	48	\$8,640
Bicycle Detector Loop	\$700	EA	48	\$33,600
Wayfinding/Informative Signs	\$350	EA	70	\$24,500
Regulatory Signs (Stop signs, etc.)	\$350	EA	96	\$33,600
	0.		Signage Totals:	\$117,140
load Striping				
Centerline Striping	\$1	LF	15,298	\$15,298
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	ĒA	4	\$20,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	15	\$37,500
	+=,000		Striping Totals:	\$72,798
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1	\$22,000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	4	\$240,000
Refuge Island	\$16,000	EA	6	\$96,000
		Safet	/ Measure Totals:	\$358,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$3,355,121
				TRUCTION COS
-			ontingency (20%):	\$671,024
Bonding / Mo	bilization / Contrac	tor Internal Ma	nagement (7.5%):	\$251,634
			RUCTION COST:	\$922,658
	DESIGN		ENT / PERMITTING	
			ng / Design (10%): al Clearance (4%):	\$335,512
		Livitonment	Permitting (2%):	\$134,205 \$67,102
		Rid Supr	port Services (3%):	\$100,654
			Aanagement (3%):	\$100,654
		i lojecti	nanayonioni (070).[	
	Tre	affic Managom	ent Services (20/.)-	\$100 654
	Tra	affic Managem	ent Services (3%): TAL SOFT COST:	\$100,654 \$838,780

#### **Class 1 Multi-Use Path Construction Cost Estimates**

	0 777			
Project Length (Feet)	2,777			
Project Length (Miles)	0.53			
Items	Unit Cost	Unit	QTY	Cost Estimate
emolition				
Clear and Grub	\$1	SF	33,328	\$33,328
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	2,777	\$116,649
Asphalt	\$4	SF	33,328	\$133,313
Concrete Pavement	\$9	SF	625	\$5,625
Excavate and Export 1,000-20,000	\$35	CY	2,469	\$86,406
Removing Traffic Stripes	\$4	LF D	2,777 emolition Totals:	\$11,109 <b>\$386,430</b>
an da se				,,
aving Asphalt	\$2	SF	33.328	\$66.656
Curb Ramps	\$1,000	ËA	10	\$10,000
Truncated Dome	\$400	EA	10	\$4,000
			Paving Totals:	\$80,656
ences and Gates				
5' Chainlink Fence	\$18	LF	2,777	\$49,992
		Fences a	Ind Gates Totals:	\$49,992
ridges	A.c			
Pedestrian/Bicycle Bridge	\$320	LF	145	\$46,400
			Bridge Totals:	\$46,400
ignage/Wayfinding	<b>4</b> 050			<b>A</b> 0 E00
Bicycle Path Signs (with core drilling)	\$350	EA	10	\$3,500
Bicycle Lane/Sharrow Marking, Paint	\$180 \$700	EA	10	\$1,800 \$7,000
Bicycle Detector Loop Wayfinding/Informative Signs	\$700 \$250	EA	10	\$7,000 \$4,550
Regulatory Signs (Stop signs, etc.)	\$350 \$350	EA EA	13 20	\$4,550 \$7,000
Regulatory Signs (Stop signs, etc.)	<b>4</b> 000		Signage Totals:	\$23,850
oad Striping				
Centerline Striping	\$1	LF	2,777	\$2,777
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	ĒA	1	\$5,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	2	\$5,000
	+-,		Striping Totals:	\$12,777
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1 • Massura Tatalau	\$22,000
		Sarety	Measure Totals:	\$22,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$622,106
		-		TRUCTION CO
			ontingency (20%):	\$124,421
Bonding / Mol			nagement (7.5%):	\$46,658
			RUCTION COST:	\$171,079
	DESIGN		ENT / PERMITTINC ng / Design (10%):	\$62,211
		Environmenta	al Clearance (4%):	\$24,884
			Permitting (2%):	\$12,442
			ort Services (3%):	\$18,663
		Project N	lanagement (3%):	\$18,663
	Tra	affic Manageme	ent Services (3%):	\$18,663
		TO	TAL SOFT COST: TOTAL COST:	\$155,526 \$948,712

Project Segment: Moreno Valley College Path				
Project Length (Feet) [ Project Length (Miles)	11,991 2.27			
Items	Unit Cost	Unit	QTY	Cost Estimate
Demolition				
Clear and Grub	\$1	SF	143,894	\$143,894
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	11,991	\$503,628
Asphalt	\$4	SF	143,894	\$575,575
Excavate and Export 1,000-20,000	\$35	CY	10,659	\$373,058
Removing Traffic Stripes	\$4	LF	11,991	\$47,965
		0	emolition Totals:	\$1,644,120
aving				
Asphalt	\$2	SF	143,894	\$287,788
Curb Ramps	\$1,000	EA	4	\$4,000
Truncated Dome	\$400	EA	4	\$1,600
			Paving Totals:	\$293,388
lignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	4	\$1,400
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	4	\$720
Bicycle Detector Loop	\$700	EA	4	\$2,800
Wayfinding/Informative Signs	\$350	EA	4	\$1,400
Regulatory Signs (Stop signs, etc.)	\$350	EA	8	\$2,800
			Signage Totals:	\$9,120
toad Striping	• /			011 001
Centerline Striping	\$1	LF	11,991	\$11,991
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	EA	1	\$5,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	1 Otrining Totalay	\$2,500
			Striping Totals:	\$19,491
inhanced Safety Measures	<u> </u>			<b>8</b> 00.000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	1 y Measure Totals:	\$60,000 <b>\$60,000</b>
• · · · · · · · · · · · · · · · · · · ·		Salet		
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$2,026,119
		~		RUCTION COS
Ponding / Me	bilization / Control		contingency (20%):	\$405,224
Bonaing / Ma	obilization / Contrac		<b>FRUCTION COST:</b>	\$151,959
				\$557,183
	DESIGN			
			ng / Design (10%):	\$202,612
		Environment	al Clearance (4%): Permitting (2%):	\$81,045 \$40,522
		Bid Supr	port Services (3%):	<u>\$40,522</u> \$60,784
			Management (3%):	\$60,784 \$60,784
	Те		ent Services (3%):	\$60,784 \$60,784
		TO	TAL SOFT COST:	\$506,530

TOTAL COST: \$3,089,831

#### **Class 1 Multi-Use Path Construction Cost Estimates**

	Project Length (Feet)	2,486 0.47			
ltems	-	Unit Cost	Unit	QTY	Cost Estimate
emolition					
	Clear and Grub	\$1	SF	29,832	\$29,832
Remove and Replace Curb and	Gutter (includes grading)	\$42	LF	2,486	\$104,413
	Asphalt	\$4	SF	29,832	\$119,329
Excavate	and Export 1,000-20,000	\$35	CY	2,210	\$77,343
	Removing Traffic Stripes	\$4	LF	2,486	\$9,944
				Demolition Totals:	\$340,862
aving					
	Asphalt	\$2	SF	29,832	\$59,665
	Curb Ramps	\$1,000	EA	4	\$4,000
	Truncated Dome	\$400	EA	4	\$1,600
				Paving Totals:	\$65,265
gnage/Wayfinding					
Bicycle Pat	n Signs (with core drilling)	\$350	EA	4	\$1,400
	e/Sharrow Marking, Paint	\$180	EA	4	\$720
	Bicycle Detector Loop	\$700	EA	4	\$2,800
Wa	finding/Informative Signs	\$350	EA	4	\$1,400
	ry Signs (Stop signs, etc.)	\$350	EA	8	\$2,800
				Signage Totals:	<b>\$9</b> ,1 <b>20</b>
bad Striping					
	Centerline Striping	\$1	LF	2,486	\$2,486
	· •	·		Striping Totals:	\$2,486
Cost estimate does not include land acquisiti	on or utilities			Base Line Cost:	\$417,733
				CONS	TRUCTION CO
				Contingency (20%):	\$83,547
	Bonding / Mo	bilization / Contrac		lanagement (7.5%):	\$31,330
	·			STRŬCTION COST:	\$114,876
		DESIGN	I / MANAGEN	MENT / PERMITTING	) / ENGINEERII
			Enginee	ring / Design (10%):	\$41,773
			Environmer	ntal Clearance (4%):	\$16,709
				Permitting (2%):	\$8,355
				oport Services (3%):	\$12,532
		_		Management (3%):	\$12,532
		Tr		ment Services (3%):	\$12,532
			I	OTAL SOFT COST:[	\$104,433
				TOTAL COST:	\$637,042

1

Project Length (Feet)	23,578			
Project Length (Miles)	4.47			
ltems	Unit Cost	Unit	QTY	Cost Estimat
nolition				
Clear and Grub	\$1	SF	282,934	\$282,934
Remove and Replace Curb and Gutter (includes grading)	\$42	ĹF	23,578	\$990,267
Asphalt	\$4	SF	282,934	\$1,131,734
Concrete Pavement	\$9	SF	700	\$6,300
Excavate and Export 1,000-20,000	\$35	CY	20,958	\$733,531
Removing Traffic Stripes	\$4	LF	23,578	\$94,311
Removing Parking Stripes	\$25	EA	48	\$1,200
		۵	emolition Totals:	\$3,240,278
ving				
Bulb-out/Curb Extension	\$13,000	EA	3	\$39,000
Asphalt	\$2	SF	282,934	\$565,867
Curb Ramps	\$1,000	EA	32	\$32,000
Truncated Dome	\$400	EA	<u>32</u>	\$12,800
			Paving Totals:	\$649,667
ices and Gates	640		00.570	F494 400
5' Chainlink Fence	\$18	LF Fences :	23,578 and Gates Totals:	\$424,400 <b>\$424,400</b>
		T Choca i		ψ <del>1</del> 24 <sub>1</sub> 400
nage/Wayfinding Bicycle Path Signs (with core drilling)	\$350	<b>F</b> A	20	\$11,200
Bicycle Paul Signs (with core drilling) Bicycle Lane/Sharrow Marking, Paint		EA	32	\$11,200
Bicycle Lane/Snarrow Marking, Paint Bicycle Detector Loop	\$180 \$700	EA	32	\$5,760 \$22,400
Wayfinding/Informative Signs	\$350	EA	32	\$22,400 \$16,100
		EA	46	\$22,400
Regulatory Signs (Stop signs, etc.)	\$350	EA	64 Signage Totals:	\$77,860
ad Strining				
ad Striping Centerline Striping	\$1	LF	23.578	\$23,578
Crosswalk Striping at signalized intersection (with detector modifications)	\$5,000	EA	4	\$20,000
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	7	\$17,500
	ψ2,500		Striping Totals:	\$61,078
nanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	3	\$66,000
Pedestrian Hybrid Beacon (PHB)	\$60,000	EA	4	\$240,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safety	/ Measure Totals:	\$322,000
ost estimate does not include land acquisition or utilities			Base Line Cost:	\$4,775,283
				TRUCTION CO
		C	ontingency (20%):	\$955,057
Bonding / Mol	bilization / Contrac			\$358,146
	1	TOTAL CONST	RUCTION COST:	\$1,313,203
	DESIGN		ENT / PERMITTING	
		Engineerii	ng / Design (10%):	\$477,528
		Environmenta	al Clearance (4%):	\$191,011
			Permitting (2%):	\$95,506
			ort Services (3%):	\$143,258
	-		Anagement (3%):	\$143,258
	Tra	anic Managem	ent Services (3%):	\$143,258
		ſO	TAL SOFT COST:	\$1,193,821
				\$7,282,306

#### **Class 1 Multi-Use Path Construction Cost Estimates**

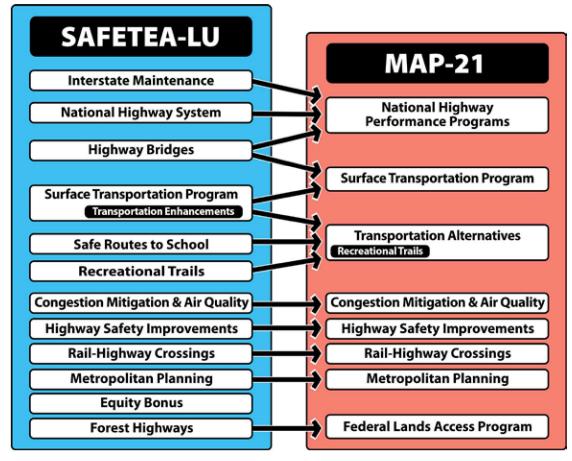
Project Segment: South City Aqueduct Path				
Project Length (Feet)	16,957			
Project Length (Miles)	3.21			
	0.21			
Items	Unit Cost	Unit	QTY	Cost Estimat
emolition				
Clear and Grub	<u>\$1</u>	SF	203,483	\$203,483
Remove and Replace Curb and Gutter (includes grading)	\$42	ĻF	16,957	\$712,191
Asphalt	\$4	SF	203,483	\$813,933
Excavate and Export 1,000-20,000	\$35	CY	15,073	\$527,549
Removing Traffic Stripes	\$4	<u> </u>	16,957	\$67,828
		D	emolition Totals:	\$2,324,983
aving				
Asphalt	\$2	SF	203,483	\$406,966
Curb Ramps	\$1,000	EA	12	\$12,000
Truncated Dome	\$400	EA	12	\$4,800
			Paving Totals:	\$423,766
ences and Gates				
5' Chainlink Fence	\$18	LF	16,957	(includes gradi
o ondiminic i onoc	<b> </b>		and Gates Totals:	\$0
ignage/Wayfinding				
Bicycle Path Signs (with core drilling)	\$350	EA	12	\$4,200
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	12	\$2,160
Bicycle Detector Loop	\$700	EA	12	\$8,400
Wayfinding/Informative Signs	\$350	EA	16	\$5,600
Regulatory Signs (Stop signs, etc.)	\$350	EA	24	\$8,400
			Signage Totals:	\$28,760
oad Striping				
Centerline Striping	\$1	LF	16,957	\$16,957
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	22	\$5,000
			Striping Totals:	\$21,957
nhanced Safety Measures				
Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	2	\$44,000
Refuge Island	\$16,000	EA	1	\$16,000
		Safety	/ Measure Totals:	\$60,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$2,859,466
				TRUCTION CO
			ontingency (20%):	\$571,893
Bonding / Mol			nagement (7.5%):	\$214,460
		TOTAL CONST	RUCTION COST:	\$786,353
	DESIGN			
			ng / Design (10%):	\$285,947
		Environmenta	al Clearance (4%):	\$114,379
		D' L O	Permitting (2%):	\$57,189
			ort Services (3%):	\$85,784
		Project N	lanagement (3%):	\$85,784
	-			
	Tr	affic Managem	ent Services (3%):	\$85,784
	Tr	affic Managem	ent Services (3%): TAL SOFT COST: TOTAL COST:	\$714,867

Project Segment: Graham Street/Bicycle-Ped Bridge				
Project Length (Feet)	531			
Project Length (Miles)	0.10			
Items	Unit Cost	Unit	QTY	Cost Estimat
emolition				
Clear and Grub	\$1	SF	6,369	\$6,369
Remove and Replace Curb and Gutter (includes grading)	\$42	LF	531	\$22,290 \$25,474
Asphalt Excavate and Export 1,000-20,000	\$4 \$35	SF CY	6,369 472	\$25,474 \$16,511
Removing Traffic Stripes	\$35 \$4	LF	531	\$2,123
Itentoving traile Surpes	φ+		emolition Totals:	\$72,767
ving				
Asphalt	\$2	SF	6,369	\$12,737
Curb Ramps	\$1,000	EA	4	\$4,000
Truncated Dome	\$400	EA	4	\$1,600
			Paving Totals:	\$18,337
inces and Gates	<b>6</b> 40		504	<b>60 550</b>
5' Chainlink Fence	\$18	LF Eanoas a	531 Ind Gates Totals:	\$9,553 <b>\$9,553</b>
		rences a	ind Gates Totals:	<b>\$</b> 3,000
idges Pedestrian/Bicycle Bridge	\$320	LF	375	\$120,000
	ψ020	<b>L</b> I	Bridge Totals:	\$120,000
gnage/Wayfinding			-	
Bicycle Path Signs (with core drilling)	\$350	EA	4	\$1,400
Bicycle Lane/Sharrow Marking, Paint	\$180	EA	4	\$720
Bicycle Detector Loop	\$700	EA	4	\$2,800
Wayfinding/Informative Signs	\$350	EA	4	\$1,400
Regulatory Signs (Stop signs, etc.)	\$350	EA	8	\$2,800
			Signage Totals:	\$9,120
bad Striping				
Centerline Striping	\$1	LF	531	\$531
High Visibility Crosswalk Striping (no detector modifications) (11)	\$2,500	EA	<u>1</u>	\$2,500
			Striping Totals:	\$3,031
hanced Safety Measures Rectangular Rapid Flashing Beacon/Pedestrian Signal	\$22,000	EA	1	\$22,000
Refuge Island	\$16,000	ËA	1	\$16,000
	<i><b>•</b> ••••••••••••••••••••••••••••••••••</i>		Measure Totals:	\$38,000
Cost estimate does not include land acquisition or utilities			Base Line Cost:	\$270,808
				<b>TRUCTION CO</b>
Bandlar (Ma	hilization / Contra-		ontingency (20%):	\$54,162
Bonaing / Ma	bilization / Contrac		RUCTION COST:	\$20,311
			ENT / PERMITTING	\$74,472
	DESIGN		ng / Design (10%):	\$27,081
		Environment	I Clearance (4%):	\$10,832
			Permitting (2%):	\$5,416
		Bid Supp	ort Services (3%):	\$8,124
			lanagement (3%):	\$8,124
	Tra	affic Managem	ent Services (3%):	\$8,124
		то	TAL SOFT COST:	\$67,702
			TOTAL COST:	\$412,982

# **4.2 Funding Sources**

Federal, State and local government agencies invest billions of dollars every year in the nation's transportation system. Only a fraction of that funding is used in development projects, policy development and planning to improve conditions for cyclists. Even though appropriate funds are limited, they are available, but desirable projects sometimes go unfunded because communities may be unaware of a fund's existence, or may apply for the wrong type of grants. Also, the competition between municipalities for the available bikeway funding is often fierce.

Whenever federal funds are used for bicycle projects, a certain level of State and/or local matching funding is generally required. State funds are often available to local governments on the similar terms. Almost every implemented bicycle program and facility in the United States has had more than one funding source and it often takes a good deal of coordination to pull the various sources together. According to the Federal Highway Administration's (FHWA) publication, *An Analysis of Current Funding Mechanisms for Bicycle and Pedestrian Programs at the Federal, State and Local Levels*, where successful local bicycle facility programs exist, there is usually a full time bicycle coordinator with extensive understanding of funding sources. Cities such as Seattle, Washington, Portland, Oregon and Tucson are prime examples. Bicycle coordinators are often in a position to develop a competitive project and detailed proposal that can be used to improve conditions for cyclists within their jurisdictions. Some of the following information on federal and State funding sources was derived from the previously mentioned FHWA publication.





# **Federal Sources**

The long legacy of U.S. Department of Transportation Enhancement Funds SAFETEA-LU (*Safe, Accountable, Flexible, Efficient, Transportation Equity Act: A Legacy for Users*) has ended and has been substantially replaced with a new funding mechanism entitled MAP-21. MAP-21 (*Moving Ahead for Progress in the 21st Century*) was approved by Congress and signed by the President in 2012.

MAP-21 replaces SAFETEA-LU with a similar amount of total funding, but significantly changes the overall number and scope of programs. The number of programs has been consolidated by two-thirds. The graphic on the previous page illustrates the relationship between the two federal funding sources. The Transportation Enhancements (TE) program has been eliminated and replaced with Transportation Alternatives (TA). The Recreational Trails program is now housed under the Transportation Alternatives Program. Bicycle projects remain eligible for major funding and MAP-21 does have an emphasis on safety and active transportation with a 30 percent increase in CMAQ, doubled Highway Safety Improvement funds and specific mentions of bicycle projects.

There remains some uncertainties regarding the details and interpretations of these changes. The federal levels of funding and scope have been set, yet it remains to be defined how the State and local programs will individually implement these funding mechanisms. Also, the latest reauthorization period is nearing its end, setting the stage for the next chapter of reauthorization.

#### **Safe Routes to School Programs**

There are two separate Safe Routes to School Programs administered by Caltrans. There is the State-legislated program referred to as SR2S and there is the Federal Program referred to as SRTS. Both programs are intended to achieve the same basic goal of increasing the number of children walking and cycling to school by making it safer for them to do so. The differences between the two programs are as follows:

#### Legislative Authority

SR2S - Streets & Highways Code Section 2330-2334 SRTS - Section 1404 in SAFETEA-LU

#### Expires

SR2S - AB-57 extended program indefinitely SRTS - Pending SAFETEA-LU reauthorization.

#### Eligible Applicants

SR2S - Cities and counties SRTS - State, local, and regional agencies experienced in meeting federal transportation requirements. Nonprofit organizations, school districts, public health departments, and Native American Tribes must partner with a city, county, MPO, or RTPA to serve as the responsible agency for their project.

#### • Eligible Projects

SR2S - Infrastructure projects SRTS - Stand-alone infrastructure or non-infrastructure projects

Local Match

SR2S - 10 percent minimum required SRTS – None

- Project Completion Deadline
   SR2S Within 4 ½ years after project funds are allocated to the agency
   SRTS Within 4½ years after project is amended into FTIP
- Restriction on Infrastructure Projects
   SR2S Must be located in the vicinity of a school
   SRTS Infrastructure projects must be within 2 miles of
   a grade school or middle school
- Targeted Beneficiaries
   SR2S Children in grades K-12
   SRTS Children in grades K-8
- Funding SR2S - \$24.25M annual funding SRTS - \$23M annual funding

The Safe Routes to School Program funds nonmotorized facilities in conjunction with improving access to schools through the Caltrans Safe Routes to School Coordinator. For more information visit: http://www.dot.ca.gov/hq/LocalPrograms/ saferoutes.htm

#### Department of the Interior - Land and Water Conservation Fund (LWCF)

The U.S. Recreation and Heritage Conservation Service and the State Department of Park and Recreation administer this funding source. Any project for which LWCF funds are desired must meet two specific criteria. The first is that projects acquired or developed under the program must be primarily for recreational use and not transportation purposes and the second is that the lead agency must guarantee to maintain the facility in perpetuity for public recreation. The application will be considered using criteria such as priority status within the State Comprehensive Outdoor Recreation Plan (SCORP). The State Department of Park and Recreation will select which projects to submit to the National Park Service (NPS) for approval. Final approval is based on the amount of funds available that year, which is determined by a population based formula. Trails are the most commonly approved project.

#### Rivers, Trails, and Conservation Assistance Program (RTCA)

The Rivers, Trails and Conservation Assistance Program is the community assistance arm of the National Park Service. RTCA provides technical assistance to communities in order to preserve open space and develop trails. The assistance that RTCA provides is not for infrastructure, but rather building plans, engaging public participation and identifying other sources of funding for conversation and outdoor recreation projects.

# **Other Bicycle Infrastructure Funding Options**

Additionally, states received a one time appropriation of \$53.6 billion in state fiscal stabilization funding under the American Recovery and Reinvestment Act (ARRA) in 2009. States must use 18.2 percent of their funding – or \$9.7 billion – for public safety and government services. An eligible activity under this section is to provide funding to K-12 schools and institutions of higher education to make repairs, modernize and make renovations to meet green building standards. The Leadership in Energy and Environmental Design (LEED) Green Building Rating System, developed by the U.S. Green Building Council (USGBC), addresses green standards for schools that include bicycle and pedestrian facilities and access to schools.

Another \$5 billion is provided for the Energy Efficiency and Block Grant Program. This provides formula funding to cities, counties and states to undertake a range of energy efficiency activities. One eligible use of funding is for bicycle and pedestrian infrastructure.



# **State Sources**

#### **State Highway Account**

Section 157.4 of the Streets and Highways Code requires Caltrans to set aside \$360,000 for the construction of nonmotorized facilities that will be used in conjunction with the State highway system. The Office of Bicycle Facilities also administers the State Highway Account fund. Funding is divided into different project categories. Minor B projects (less than \$42,000) are funded by a lump sum allocation by the CTC and are used at the discretion of each Caltrans District office. Minor A projects (estimated to cost between \$42,000 and \$300,000) must be approved by the CTC. Major projects (more than \$300,000) must be included in the State Transportation Improvement Program and approved by the CTC. Funded projects have included fencing and bicycle warning signs related to rail corridors.

#### **Caltrans Active Transportation Program (ATP)**

The Active Transportation Program was created by Senate Bill 99 (Chapter 359, Statutes 2013) and Assembly Bill 101 (Chapter 354, Statutes 2013) to encourage increased use of active modes of transportation, such as biking and walking. The ATP consolidates existing federal and State transportation programs, including the Transportation Alternatives Program (TAP), Bicycle Transportation Account (BTA), and State Safe Routes to School (SR2S), into a single program with a focus to make California a national leader in active transportation. The ATP is administered by the Division of Local Assistance, Office of Active Transportation and Special Programs. This is a competitive program to:

- Increase biking and walking trips
- Increase safety
- Increase mobility
- Support regional agency GHG reduction
- Enhance public health
- Benefit disadvantaged communities (25 percent)
- Include a broad spectrum of projects

#### Streets and Highways Code Bicycle Transportation Account (BTA)

The Bicycle Transportation Account (BTA) funds nonmotorized facilities and access to cities and counties that have adopted bikeway master plans. Section 2106 (b) of the Streets and Highways Code transfers funds annually to the BTA from the revenue derived from the excise tax on motor vehicle fuel. The Caltrans Office of Bicycle Facilities administers the BTA.

For a project to be funded from the BTA, the project shall:

i) Be approximately parallel to a State, county, or city roadways, where the separation of bicycle traffic from motor vehicle traffic will increase the traffic capacity of the roadway; and

ii) Serve the functional needs of commuting cyclists; and

3) Include but not be limited to:

- · New bikeways serving major transportation corridors;
- New bikeways removing travel barriers to potential bicycle commuters;
- Secure bicycle parking at employment centers, park and ride lots and transit terminals;
- Bicycle carrying facilities on public transit vehicles;
- Installation of traffic control devices to improve the safety and efficiency of bicycle travel;
- Elimination of hazardous conditions on existing bikeways serving a utility purpose;
- Project planning
- · Preliminary and construction engineering

Maintenance is specifically excluded from funding and allocation takes into consideration the relative cost effectiveness of the proposed project.

# Transportation Development Act Article 3 (Senate Bill 821)

TDA funds are based on a ¼ percent State sales tax, with revenues made available primarily for transit operating and capital purposes. By law, the Riverside County Auditor's office estimates the apportionment for the upcoming fiscal year.

TDA Article 3 funds may be used for the following activities related to the planning and construction of bicycle and pedestrian facilities:

- Engineering expenses leading to construction
- · Right-of-way acquisition
- Construction and reconstruction
- Retrofitting existing bicycle facilities to comply with ADA requirements
- Route improvements, such as signal controls for cyclists, bicycle loop detectors and rubberized rail crossings
- Purchase and installation of bicycle facilities such as improved intersections, bicycle parking, benches, drinking fountains, rest rooms, showers adjacent to bicycle paths, employment centers, park-and-ride lots, and/or transit terminals accessible to the general public

# **Local Sources**

#### **Developer Impact Fees**

As a condition for development approval, municipalities can require developers to provide certain infrastructure improvements, which can include bikeway projects. These projects have commonly provided Class 2 facilities for portions of on-street, previously planned routes. They can also be used to provide bicycle parking or shower and locker facilities. The type of facility that should be required to be built by developers should reflect the greatest need for the particular project and its local area. Legal challenges to these types of fees have resulted in the requirement to illustrate a clear nexus between the particular project and the mandated improvement and cost.

#### **New Construction**

Future road widening and construction projects are one means of providing on-street bicycle facilities. To ensure that roadway construction projects provide bicycle lanes where needed, it is important that the review process includes input pertaining to consistency with the proposed system. Future development in the City will contribute only if the projects are conditioned.

#### Restoration

Cable TV and telephone companies sometimes need new cable routes within public rights of way. Recently, this has most commonly occurred during expansion of fiber optic networks. Since these projects require a significant amount of advance planning and disruption of curb lanes, it may be possible to request reimbursement for affected bicycle facilities to mitigate construction impacts. In cases where cable routes cross undeveloped areas, it may be possible to provide for new bikeway facilities following completion of the cable trenching, such as sharing the use of maintenance roads.

#### **Other Sources**

Local sales taxes, fees and permits may be implemented as new funding sources for bicycle projects. However, any of these potential sources would require a local election. Volunteer programs may be developed to substantially reduce the cost of implementing some routes, particularly multi-use paths. For example, a local college design class may use such a multi-use route as a student project, working with a local landscape architectural or engineering firm. Work parties could be formed to help clear the right of way for the route. A local construction company may donate or discount services beyond what the volunteers can do. A challenge grant program with local businesses may be a good source of local funding, in which the businesses can "adopt" a route or segment of one to help construct and maintain it.

#### **Private Sources**

Private funding sources can be acquired by applying through the advocacy groups such as the League of American Bicyclists and the Bikes Belong Coalition. Most of the private funding comes from foundations wanting to enhance and improve bicycle facilities and advocacy. Grant applications will typically be through the advocacy groups as they leverage funding from federal, State and private sources.

Tables 19 to 22 on the following pages summarize many of the numerous funding sources available.

1

### Table 18: Federal Funding Sources

	Federal Sources								
Grant Source	Annual Total	Agency	Funding Cycle	Match	Remarks				
Land and Water Conservation Act of 1965 (LWCF)	\$450 mil- lion federal; \$3.6 million CA (2012)	National Parks Service/Califor- nia Department of Parks and Rec- reation	Dec-Jan	50% + 2-6% admin. sur- charge	Funding subject to north/south split (60% for Southern California). Fund provides matching grants to state and local governmentsfor land acquisition and development for outdoor recre- ation use. Individual project awards are not available.				
MAP-21 - Surface Transportation Program (STP)	\$10 billion Federal; \$888 mil- lion CA (pre-set- aside, pre- penalty)	FHWA/Caltrans	June 1	20%	STP funds wide variety of bicycle and pedestrian improvements, including on-street bicycle facilities, off-street trails, sidewalks, crosswalks, bicycle and pedestrian signals, parking and other ancillary facilities. May be exchanged for local funds for non-federally certi- fied local agencies. No match required if project improves safety.				
MAP-21 - Transportation Alternatives Program (TAP) Includes Trails and SRTS Programs	\$820 mil- lion Federal; \$72.5 mil- lion CA	FHWA/SANDAG	Annual	20%	Funds construction, planning and design of facilities for pedestrians, bicy- clists and other non-motorized forms of transportation.				
MAP-21 - Recreational Trails Program	\$5.75 mil- lion guar- anteed (set aside from TAP)	FHWA, Regional agency may also contribute	Annual	Fed- eral + Regional must not exceed 95%	Percentage of TAP funding allocated to Recreational Trails Program at discre- tion of State.				
MAP-21 - National Highway Performance Program	\$1.9 billion (pre-set- aside, pre- penalty)	FHWA/Caltrans	Not available	Federal 80%- 100%; State 0%-20%	Program provides funding for con- struction and maintenance projects located on newly expanded National Highway System (NHS), including those related to bicycle and pedestrian infrastructure. Certain safety projects may have a federal cost share of up to 100%.				

#### Table 18: Federal Funding Sources

Federal Sources							
	Annual		Funding				
Grant Source	Total	Agency	Cycle	Match	Remarks		
MAP-21 - Highway Safety Improvement Program (HSIP)	\$2.4 billion Federal; \$197 mil- lion CA (pre-set- aside, pre- penalty)	FHWA/Caltrans		Federal 90%; State 10%	Projects must address safety issues and may include education and enforce- ment programs. Program includes Railroad-Highway Crossings and High Risk Rural Roads programs. Bicycle projects must provide high degree of safety.		
MAP-21 - Congestion Mitigation and Air Quality (CMAQ)	\$464 mil- lion CA (pre-set- aside, pre- penalty)	FHWA/Caltrans	April	20%	Amount of CMAQ funds depends on state's population share and on degree of air pollution		
MAP-21 - Safe Routes to School Program (SRTS)	\$21 mil- lion (2012 Funding; see remarks section for more infor- mation)	Federal Highway Administration (FHWA) Caltrans and then MPO (SANDAG)		80% Federal; 20% State	Caltrans proposed funding SRTS from a \$21 million set aside in STP, approved by CTC as one year policy. Future funding for SRTS will be determined through the MAP-21 implementation process.		
Rivers, Trails and Conservation Assistance Program (RTCA)		National Park Service	August		Expenditures include bikeway plans, corridor studies and trails assistance		
Energy Efficiency and Block Grant Program	\$3 million	Department of Energy			Provided formula funding for cities, counties and states to take part in energy efficient activities		
Community Development Block Grants (CDBG)	\$3 million	HUD & CA Dept of Housing & Com. Dev.	Ongoing	10%	Funds improve land use and transpor- tation infrastructure in low-income neighborhoods or citywide for acces- sibility improvements.		
Federal Lands Highway Program	\$611 mil- lion 2008- 10	FLH/FHWA	Ongoing	Varies	May be used to build bicycle and pe- destrian facilities in conjunction with roads and parkways at discretion of grantee.		
Land and Water Conservation Fund (LWCF)	\$30 million in 2010	NPS/California Department of Parks and Rec- reation	Annual	50%	LWCF grants may be used for statewide outdoor recreational planning and for acquiring and developing recreational parks and facilities, especially in urban areas.		

1

		Federa	l Sources		
Grant Source	Annual Total	Agency	Funding Cycle	Match	Remarks
MAP-21 – Pilot Transit-Oriented Development Planning Program	\$10 million	Federal Transit Administration	Not available	Not avail- able	Provides funding to advance planning efforts that seek to increase access to transit hubs for pedestrian and bicycle traffic.
Map-21 - Associated Transit Improvements	1% of the Urbanized Area Formula Grant; for FY2014 that would be 1% of 4.5 Billion (~ \$45 million)	Federal Transit Administration/ MPO	Not available	80% Federal Assis- tance (Capital); 50% Federal Assis- tance (Opera- tional)	Recipients of Section 5307 (Urbanized Area Formula Grants) must certify they are spending no less than 1 percent of their federal transit funds on associ- ated transit improvements (formerly transit enhancements). Typical proj- ects have included bicycle lockers and parking near transit stations and stops.
Partnership for Sustainable Communities	\$409 million in grants and/ or assistance in 2010	HUD/DOT/EPA	Ongoing	Not avail- able	Funding for preparing or implement- ing regional plans for sustainable development.
Energy Efficiency and Conserva- tion Block Grant Program	\$3.2 Billion Federal; over \$35 million CA	FHWA	June	None	Provides formula funding for cities, counties and states to take part in energy efficient activities.
Rivers, Trails and Conservation Assistance (RCTA) Program	Staff time is awarded for technical as- sistance	NationalParks Service	August 1 for the following year	N/A	Technical assistance offered for conservation of rivers and open space and development of trails and greenways.
Community Development Block Grant (CDBG)	\$2 million for Planning and technical assis- tance in 2013	HUD & Califor- nia Department of Housing and Community Development	Ongoing	Ongo- ing 90% Federal; 10% Local	Available for low-income neighbor- hoods to improve land use and trans- portation infrastructure. Can be used for citywide accessibility improve- ments.
Community Transformation Grants (CTG)	\$35 million in 2012	Regional health and planning agencies	Not available	N/A	Funds to implement broad, sustainable strategies to reduce health disparities and expand preventive health care services.

Federal Sources						
	Annual		Funding			
Grant Source	Total	Agency	Cycle	Match	Remarks	
Transportation Investment Generating Economic Recovery Program (TIGER)	\$474 million Federal; \$31 Mil- lion CA (2013)	US DOT	October	80% Fed- eral; 20% State	Can be used for innovative, multi- modal and multi-jurisdictional transportation projects (including bicycle and pedestrian projects) that promise significant economic and environmental benefits to an entire metropolitan area, region or the nation. Minimum project cost is \$10 million.	
Bus and Bus Facilities Program: State of Good Repair	\$2.17 billion Federal (2014)	Federal Transit Administra- tion	March	80% Fed- eral; 20% State	Can be used for projects to provide bicycle access to public transporta- tion facilities. More specifically, funds are used for shelters for people, bi- cycle parking amenities and accom- modating bicycles on transit.	
Bus Livability Initiative	\$125 million (2012)	Federal Transit Administration	March	90% Fed- eral;10% State	Can be used for bicycle and pedestri- an support facilities, such as bicycle parking, bicycle racks on buses, pe- destrian amenities and educational materials.	
Federal Lands Transportation Program, Category 3, "Alternative Transportation" (see remarks)	Pacific West Re- gion was awarded \$3.38 million (2013)	FHWA	Varies, generally October; pro- grammed through 2017	None	Funds transportation modes that reduce congestion and pollution in parks and public lands. Formerly the Paul S. Sarbanes Transit in Parks Grant Program (repealed upon enact- ment of MAP-21).	
Local Highway Bridge Program	\$300 mil- lion	FHWA/Caltrans	Ongoing	88.53% Fed. Match for Local Highways; 100% for Fed. High- ways	Funds to replace or rehabilitate pub- lic highway bridges over waterways, other topographical barriers, other highways, or railroads.	
Section 5310	\$20-\$35 annually	Federal Transit Administration	Annually	11.47%	Assists private, non-profit corpora- tions and public agencies in provid- ing transportation services to meet needs of seniors and persons with disabilities for whom public trans- portations services are otherwise unavailable, insufficient or inappro- priate.	

1

2

#### Table 19: State Funding Sources

State Sources							
Grant Source	Annual Total	Agency	Funding Cycle	Match	Remarks		
State Highway Account (SHA): Bicycle Transportation Account (BTA)	Varies	Caltrans	March applica- tion deadline. Consult Local Assistance Office	10%	Must have an adopted Bicycle Transportation Plan. Funding avail- able for all phases of projects.		
Active Transportation Program	\$124 mil- lion/ year	Caltrans	Two-year cycle	12%	Consolidates BTA, Transportation Alternatives and Safe Routes to School funding. 60% awarded by State, 40% by MPOs.		
Transportation De- velopment Act (TDA) Section 99234	\$149 in 2014	Local MPO or CTC	Annually	None	2% of TDA total, funds for bicycle and pedestrian projects.		
Regional Improvement Program (STIP)	\$3.4 billion over 5-years	Caltrans	Every two years		Capital improvement projects (planning and rideshare activities).		
AB-2766 Vehicle Registration Funds	\$30 million in 2010	SCAQ	February	None	Competitive program for projects that benefit air quality.		
Vehicle Registration Surcharge Fee (AB-434) RCF		АРСВ	July	None	Competitive program for projects that benefit air quality.		
Vehicle Registration Surcharge Fee (AB-434) PMF	40% from grant source	АРСВ	April	None	Funds distributed to county com- munities based on population.		
Developer Fees or Exactions	Project- specific	Cities	Ongoing	None	Mitigation required during land use approval process.		
State Gas Tax (local share)		Allocated by State Auditor- Controller	Monthly allocation	None	Major Projects, >\$300,000.		
State and Local Trans- portation Partnership Program (SLPP)	Est. \$200 million/yr. state-wide	Caltrans	Summer	50%	Road projects with bicycle lanes are eligible, requires developer or traffic fee match.		
Caltrans Minor Capital Program	Varies	Caltrans	Ongoing after July 1	None	Projects must be on state highways; such as upgraded bicycle facilities.		
Environmental Enhancement and Mitigation Program (EEM)	\$10 million/ yr. state- wide	State Resourc- es Agency	October annually	None required, but favored	Individual grants limited to \$350K.		

State Sources						
	Annual		Funding			
Grant Source	Total	Agency	Cycle	Match	Remarks	
Petroleum Violation Escrow Account (PVEA)	Varies	Caltrans, CA Community Services and Development, Air Resources Board	March	None	Projects must save energy, provide public restitution and be approved by CA Energy Commission and US DOE.	
Community Based Transportation Planning Demonstration Grant Program	\$3 million annually	Caltrans	November	20%	Projects must have a transportation component or objective.	
Habitat Conservation Fund Grant Program (HCF)	\$2 million	CA Dept of Park and Rec- reation	October	50%	Available until July 1, 2020.	
Office of Traffic Safety Program (OTS)	Varies	Office of Traffic Safety	January	None	Goal to reduce vehicle fatalities and injuries through safety program to include education, enforcement and engineering.	
Safe Routes to School Program (SR2S)	\$24 million in 2009*	Caltrans	April	10%	Eligible for projects in vicinity of a school and grades K-12.	
State Transportation Improvement Program (STIP)	Varies	Caltrans	Every 4 years	None	Gives metropolitan regions more control over state transportation fund investment.	
California Conservation Corps (CCC)		California Conservation Corps			CCC provides emergency assistance and public service conservation work.	
Environmental Justice (EJ) Planning Grants	\$9 million in 2010	Caltrans	Annually	10%	Engage low-income and minority communities in transportation proj- ects to ensure equity and positive social, economic and environmental impacts.	
California River Parkways	Varies	CA Natural Resources Agency	October	None	Create or expand trails for walking, bicycling and/or equestrian activi- ties compatible with other conser- vation objectives.	

\*

2

#### Table 20: Local Funding Sources

Local Sources						
Grant Source	Annual Total	Agency	Funding Cycle	Match	Remarks	
Parking Meter Districts		City	Annual Budget	N/A	Parking Meter Districts can use parking meter revenues for streetscape improvements such as pedestrian facilities, landscaping and lighting.	
Transient Occupancy Tax (TOT)		City	Annual Budget	None	Created to cover expenses and improvements related to tourism and to encourage more tourists to visit. Fund may be appropriate in areas of heavy tourism such as along waterfronts, major parks and historic neighborhoods.	
SB-821	Varies	Riverside County Transportation Commission (RCTC)	Annually	Up to 25%	Eligible projects include sidewalks, bicycle paths, lanes and routes, and access ramps or curb cuts.	
Measure A	\$400 million/year	Riverside County Transportation Commission (RCTC)	Annually	None	Western County, public transit includes funding for specialized transit, commuter rail, intercity bus service, and commuter assistance.	
SCAG Sustainability Program	Varies	SCAG	Annually	None	Direct funding of innovative plan- ning initiatives for member agen- cies through Compass Blueprint Demonstration Projects.	
SCAG Active Transportation	Varies	SCAG	Annually	11.47%	New division intended to assist bicycle and pedestrian planning ef- forts. Program will focus on volun- tary efforts to meet local needs and contribute to implementing SCS, reducing greenhouse gas (GHG) emissions.	

#### Table 21: Private Funding Sources

Private Sources						
Grant Source	Annual Total	Agency	Funding Cycle	Match	Remarks	
SRAM Cycling Fund	\$400,000+/yr	SRAM	Ongoing	None	www.sramcyclingfund.org	
Surdna Foundation	Project-specific	Surdna Foundation	Ongoing	None	Surdna Foundation makes grants to nonprofit organizations in areas of environment, community revitaliza- tion, effective citizenry, arts, and the nonprofit sector.	
Bikes Belong	\$180,000 annually	Bikes Belong Coalition	Three times a year	50%	Community grants focus on funding facilities and programs. www.bikesbelong.org	
Kaiser Permanente Community Health Initiatives	\$54 million annually	Kaiser Perman- ente	Ongoing	None	Numerous programs to support Healthy Initiatives.	
Health Foundations		Various foundations	Ongoing		Focus active transportation improve- ments for an obesity prevention strategy. Examples include California Wellness Foundation, Kaiser and California Endowment.	
Rails to Trails Conservancy		Rails to Trails Conservancy			Provides technical assistance for converting abandoned rail corridors to use as multi-use trails.	
Donations		Depends on nature of project	Ongoing		Corporate or individual donations, sponsorships, merchandising or special events.	
In-kind Services		Depends on nature of project	Ongoing		Donated labor and materials for facil- ity construction or maintenance such as tree planting programs or trail construction and maintenace.	
People for Bikes Community Grant Program	Up to \$10,000	People for Bikes	Twice a year	None	Focuses most grant funds on bicycle infrastructure projects such as bicycle paths, lanes, trails and bridges, mountain bike facilities, bike parks and pump tracks, BMX facilities, end- of-trip facilities such as bicycle racks, parking and storage.	



A: Design Guidelines

- **B: Suitability Model and Project Prioritization**
- **C: Community Input Summary**
- **D: Count Summary**
- E: California Streets and Highways Code Section 891.2 Compliance

# **Class 1 Multi-use Paths**

Class 1 facilities are generally paved multi-use paths, separated from motor vehicle traffic. Off street routes are rarely constructed for the exclusive use of cyclists since other nonmotorized user types will also find such facilities attractive. For that reason, the facilities recommended in this master plan should be considered multi-use where cyclists will share the pathways with other users. Recommended Class 1 paths are intended to provide commuting and recreational routes unimpeded by motor vehicle traffic.

By law, the presence of a Class 1 route near an existing roadway does not justify prohibiting bicycles on the parallel or nearly parallel roadway. Where a bikeway master plan calls for Class 1 routes parallel to the alignments of planned roadways, these roadways should still be designed to be compatible with bicycle use. Two reasons to retain parallel facilities are that an experienced cyclist may find Class 1 paths inappropriate because of intensive use, or the routes may not be direct enough. By the same token, the Class 1 path will likely be much more attractive to less experienced cyclists than a parallel facility on the adjacent street.

In general, Class 1 facilities should not be placed immediately adjacent to roadways. Where such conditions exist, Class 1 facilities should be offset from the street as much as possible and separated from it by a physical barrier. These measures are intended to promote safety for both the cyclists and the vehicle drivers by preventing unintended movement between the street and the Class 1 facility.

### **Common Issues**

A Class 1 bicycle facility is located within its own separate right-of-way, with no motor vehicle traffic permitted. However, Class 1 facilities are typically shared with other users, such as pedestrians or equestrians. The common issues associated with the design of Class 1 facilities include:

**At-grade Crossings** – While Class 1 facilities are located on exclusive right-of-way, most must deal with at-grade crossings at roadways or railways. At-grade crossings present several challenges, including safety issues and conflicts with automobile traffic operations. Most bicycle related collisions occur at at-grade crossings.

**Shared Use Issues** – Class 1 facilities are multi-use and not for the exclusive use of cyclists, which can create conflicts between different user types, particularly due to speed differentials. Conflicts between different user types are especially likely to occurs on regionally significant recreational paths that attract a broad diversity of users.

**Compatibility of Equestrian Use** – Joint use paths by cyclists can pose problems due to the ease of which horses can be startled. Also, the requirements of a Class 1 bikeway facility include a solid surface, which is not desirable for horses.

**Safety** – Safety issues have come up within some communities regarding Class 1 bicycle facilities. Class 1 bicycle facilities are typically separated from public areas, resulting in the perception of increased crime or an unsafe environment.

**Obstacles** – Obstacles are a common issue and may include sign posts, light standards, utility poles and other similar appurtenances that impede travel.

# **Opportunities and Potential Treatments**

### **At-Grade Crossings**

Several design options exist for making at-grade crossings safer. The main objective is clear signage to minimize confusion between conflicting modes of travel. Crossings should be implemented at all at-grade crossings to clearly show that cyclists or other users may be crossing. Flashers are also helpful, especially at night to notify vehicle drivers of the crossing. The installation of a signalized crossing is preferred. Approaches should be somewhat offset to slow users as they near the intersection. (See example at right.) These guidelines should be applied to all at-grade crossings, such as on proposed creek and railway corridors.

### **Shared Use Issues of Class 1 Facilities**

In general, paths expected to receive heavy use should be a minimum of 14 feet wide, paths expected to experience moderate use should be at least 12 feet wide and low volume paths can be 10 feet wide. Caltrans Class 1 requirements call for eight feet as the minimum width with two foot clear areas on each side. Methods used to reduce path conflicts have included providing separate facilities for different groups, restricting certain uses to specific hours, widening existing facilities or marking lanes to regulate flow. Examples of all of these types of actions occur along southern California's coastal paths where conflicts between different user types can be especially severe during peak periods.

## **Compatibility of Equestrian Use**

Joint use of paths by cyclists and equestrians can pose problems due to the ease with which horses can be startled. Also, the requirements of a Class 1 multi-use facility include a solid surface, which is not desirable for horses. Therefore, where either equestrian or cycling activity is expected to be high, separate routes are recommended. On facilities where Class 1 designation is not needed and the facility will be unpaved, mountain bikes and horses can share the trail if adequate passing zones are provided, the expected volume of traffic by both groups is low and available sight distances allow equestrians and cyclists to see and anticipate each other. Education of all path users in "trail etiquette" has also proven to be successful on shared paths.



Class 1 bicycle path at-grade crossing - San Diego, CA



Path with marked pedestrian and bicycle lanes - Long Beach, CA



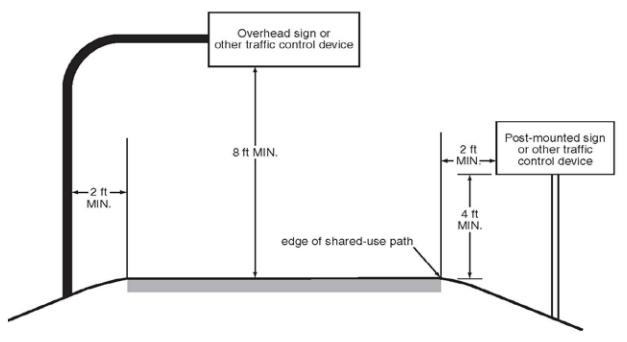
Class 1 multi-use path and adjacent horse trail - San Diego, CA

#### Safety

The Delaware Center for Transportation and the State of Delaware Department of Transportation studied the impacts of Class 1 multi-use paths to neighborhoods in relation to safety and crime (*Project Report for Property Value/Desirability Effects of Bicycle Paths Adjacent to Residential Areas* – 2006). Examining multi-use paths in 12 communities across North America, the study concluded that crime on such paths is minimal and must be considered in perspective with the typical risks associated with other similar activities. Minimizing crime on paths involves ensuring that users exercise proper safety precautions and that managers maintain the path and support path use. The amount of crime in and around recreational facilities is generally correlated with the amount of crime in the neighboring area, and not a direct result of the path itself.

#### Obstacles

To make certain that as much of the paved surface as possible is usable by bicycle traffic, obstructions such as sign posts, light standards, utility poles and other similar appurtenances should be set back with at least a two foot minimum "shy distance" from the curb or pavement edge, with exceptions for guard rail placement in certain instances. A three foot minimum is recommended. Additional separation distance to lateral obstructions is desirable. Where there is insufficient paved surface width to accommodate bicycle traffic, any placement of equipment should be set back far enough to allow room for future projects (widening, resurfacing) to bring the pavement width into conformance with these guidelines when the opportunity arises. Vertical clearance to obstructions should be a minimum of eight feet. Where practical, vertical clearance of 10 feet is desirable.



Sign placement on shared-use paths (MUTCD Figure 9B-1)

# Permeable Pavement for Class 1 Multi-Use Paths

Traditional impervious surfaces such as asphalt and concrete can be damaging to the local environment because stormwater running off them collects dirt and debris, and even oil from the asphalt itself, and washes these pollutants into streams, lakes and oceans. When stormwater runoff is not filtered through some form of treatment, it is directly transported into the local water system. Stormwater runoff is the leading source of pollutants entering our waterways.

An alternative to an impervious surface for multi-use paths is a pervious pavement such as porous concrete or asphalt. Porous pavement is especially useful for path segments that cannot be drained or are subject to periodic inundation. Its unique texture is composed primarily of angular aggregates such as crushed stone cemented together to create regular voids that allows water to flow directly downward to the underlying substrate. The exposed coarse aggregates provide enhanced traction for maintenance vehicles and bicycles and can prevent hazards such as hydroplaning. The textured surface is especially beneficial during the most difficult and dangerous of riding conditions, such as during rainfall, since water does not remain on the surface and cause flooding. However, some road cyclists feel that the coarse surface can be too rough for very skinny tired bicycles. Also, this type of paving requires regular maintenance to function properly, such as periodic vacuuming.

#### **Markings and Striping**

Marking and striping are used to indicate the separation of directional lanes on multi-use paths.

- A yellow center line stripe is recommended where paths are heavily used, where sight distances are restricted, and on some unlit paths where night time riding is expected. The line should be dashed when adequate passing sight distance exists, and solid when no passing is recommended.
- A solid white line is recommended for separation of pedestrian traffic and bicycle/in-line skating traffic.
- Solid white lines along the edge of paths are recommended where nighttime riding is expected.
- Markings should be retroreflective.
- Consideration should be given to selecting pavement marking materials that will minimize loss of traction for bicycles in wet conditions.

Note that Section 9C.03 of the MUTCD leaves the application of marking and striping of a Class 1 path optional.





-171-

Sign R81-A (CA MUTCD)

Sign R81 (CA MUTCD)



# **Class 2 Bicycle Lanes**

This facility provides a striped lane for one-way bicycle travel on a street or highway, installed along streets in corridors where there is significant bicycle demand, and where there are distinct needs that can be served by them. In streets with on-street parking, bicycle lanes are located between the parking area and the traffic lanes.

#### **Common Issues**

Class 2 facilities are located on highways and must share the road with motor vehicles. The most common issue associated with Class 2 bicycle lanes is safety. Traveling adjacent to motor vehicles, especially along high speed corridors, increases the risk of motor vehicle and bicycle-related collisions and injuries. Other safety issue concerns include:

- Freeway interchanges slower bicycle traffic can often conflict with high speed vehicles entering and exiting freeways.
- Parking lanes bicycle lanes are typically located between the parking lane and vehicle traffic lane, which creates unsafe conditions when vehicle drivers are attempting to park.
- Limited Right-of-Way roadways ideal for bicycle lanes, but with limited right-of-way can be an issue. Many roadways suitable for Class 2 bicycle lanes are located adjacent to residential or commercial uses that allow onstreet parking.
- Visibility visibility of cyclists on roadways or at intersections, especially freeway ramps.

#### **Design Guidelines**

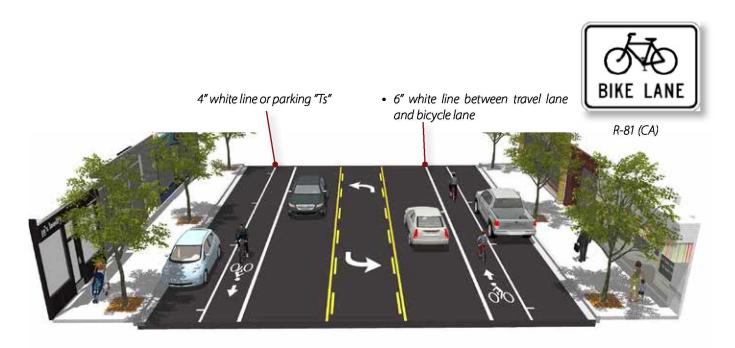
- Provide five foot minimum width for bicycle lanes located between parking and traffic lanes. Six feet is desired.
- Provide four foot minimum width if no gutter exists. With a normal two foot gutter, minimum bicycle lane width is five feet, with 36" outside of gutter.

#### Recommendations

- Bicycle lanes are not advisable on long, steep downgrades, where bicycle speeds greater than 30 miles per hour are expected. If lanes are used, additional width should be provided to accommodate higher bicycle speeds.
- If parking volume is substantial or turnover high, an additional one to two feet of width is desirable.
- If six feet is available for a bicycle lane, it is preferred to maintain the six feet if adjacent to a curb with no onstreet parking present. With on-street parking, stripe a four foot bicycle lane with a two foot buffer between the bicycle lane and on-street parking.

#### **Optional Class 2 Bicycle Lane Enhancements**

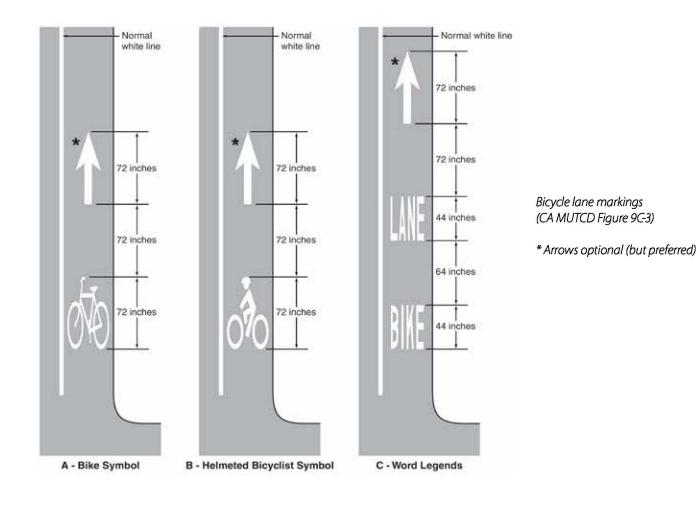
- Colored bicycle lanes
- Distinct and unique directional signage
- Traffic calming, such as curb extensions, street trees and landscaping, designed to increase pedestrian and bicycle safety
- Traffic control devices for bicycles at major intersections





# **Bicycle Lane Pavement Markings**

The following is the suggested pavement signage for bicycle lanes from the California MUTCD.



#### References

Caltrans HDM Chapter 300, California MUTCD 2012 NACTO Urban Bikeway Design Guide, 2012 Model Design Manual of Living Streets, 2011

# **Colored Bicycle Lanes**

Color is applied to bicycle lanes to enhance the visibility of cyclists on bicycle lanes and the bicycle lanes themselves. Color can be applied to the entire bicycle lane or at high-risk locations where vehicle drivers are permitted to merge into or cross bicycle lanes.

#### **Design Guidelines**

- Signage and dimensional guidelines are the same as for standard Class 2 bicycle lanes.
- Avoid using blue, which is commonly designated for disabled facilities. Green has become the standard color for colored bicycle lanes.

#### **Recommendations**

- Provide additional signage with matching color.
- Use color and markings consistently.
- Consider different coloring materials based on the location of the bicycle lanes, amount of traffic, roadway and weather conditions.

#### References

Innovative Bicycle Treatments: An Informational Report - ITE Pedestrian and Bicycle Council

Portland's Blue Bike Lanes: Improved Safety through Enhanced Visibility – City of Portland, 1999

NACTO Urban Bikeway Design Guide, 2012



Green lane and merge zone - Riverside, CA



# **Buffered Bicycle Lanes**

Additional space between the bicycle lane and traffic lane, parking lane or both provide a more protected and comfortable space for cyclists than a conventional bicycle lane.

#### **Design Guidelines**

- Signage and dimensional guidelines are the same as for standard Class 2 bicycle lanes.
- Provide an additional 2-4 foot buffer or "shy zone" between the bicycle lane and parking lane. If space allows, buffering between the traffic lane and bicycle lane may also be provided (dual buffering), but buffering between parked vehicles and the bicycle lane should be given priority.
- Where no parking occurs and space allows, provide a buffer between the travel lane and bicycle lane.
- Line closest to bicycle lane may be dashed.
- "Bott's dots" are not generally recommended in buffer zones, but if used, should be linearly spaced 6-8 feet apart so as not to deter cyclists from entering and exiting.

#### **Recommendations**

- Add diagonal striping on the outer buffer adjacent to the vehicle travel lanes every six feet.
- On-street parking remains adjacent to the curb.
- A travel lane may need to be eliminated or narrowed to accommodate buffers.

#### References

NACTO Urban Bikeway Design Guide, 2012



Buffered bicycle lane - San Diego, CA



Dual buffered bicycle lane - San Diego, CA

# **Back-in Diagonal Parking**

The back-in/head-out parking is considered safer than conventional head-in/back-out parking due to vehicle drivers having better visibility when pulling out. This is particularly important on busy streets or where vehicle drivers may find their view blocked by large vehicles or by tinted windows in adjacent vehicles.

#### **Design Guidelines**

Based on existing dimensions from test sites and permanent facilities, provide 16 feet from curb edge to inner bicycle lane stripe of a five foot bicycle lane.

#### Recommendations

Test the facility on streets with existing head-in angled parking and moderate to high bicycle traffic. Additional signs to direct vehicle driver in how the back-in angled parking works is recommended.

#### References

Back-in/Head-out Angle Parking, Nelson/Nygaard Consulting Associates, 2005

#### City of Los Angeles Bicycle Plan Update, City of Los Angeles

Note: This design treatment is not currently present in any State or federal design standards. However, it is now a standard configuration in Seattle, WA and is being widely adopted elsewhere.



Instructional signage - Solana Beach, CA



Back-in/head-out angle parking - Bridgeport, CA

e da navie e a angle panarg energe BIKE LANE R-81 (CA) • 6" white line between travel lane and bicycle lane

Bicycle lane with back-in/head-out angle parking

# **Class 3 Bicycle Routes**

The following are typical guidelines, as well as enhanced treatments for installing bicycle routes. Other treatments not listed in these guidelines may be considered on a caseby-case basis when warranted. Common issues associated with Class 3 facilities are similar to Class 2 facilities, but Class 3 facilities are generally located on roadways with lower speeds and lower traffic volumes. Class 3 facilities are designated as roadways with no striped bicycle lanes, but include signage to indicate that cyclists are allowed and should be expected. The most common issue associated with Class 3 facilities is signage visibility.

### Signing

When designating a bicycle route, the placement and spacing of signs should be based on the *California Manual on Uniform Traffic Control Devices, Part 9: Traffic Controls for Bicycle Facilities.* For bicycle route signs to be functional, supplemental plaques can be placed beneath them when located along routes leading to high demand destinations (e.g. "To Downtown," "To Transit Center," etc.) Since bicycle route continuity is important, directional changes should be signed with appropriate arrow sub-plaques. Signing should not end at a barrier. Instead, information directing the cyclist around the barrier should be provided. If used, route signs and directional signs should be used frequently because they promote reasonably safe and efficient operations by keeping road users informed of their location.

"BIKE ROUTE" - This sign is intended for use where no unique designation of routes is desired. However, when used alone, this sign conveys very little information. It can be used in connection with sub-plaques giving destinations and distances. (See Section 1003-3 of the *Caltrans Highway Design Manual* and Part 9B-20 of the MUTCD for specific information on subplaque options.)

Roadways appropriate for bicycle use, but are undesignated, usually do not require regulatory, guide or informational signing in excess of what is normally required for vehicle drivers. In certain situations, however, additional signing may be needed to advise both vehicle drivers and cyclists of the shared use of the roadway, including the travel lane.



Class 3 bicycle route - Oceanside, CA



Sign D11-1 (CA MUTCD)



Sign SG45 (CA MUTCD)



Sign D1-1b (R) (CA MUTCD)

"Share the Road" - This sign is recommended where the following roadway conditions occur:

- Shared lanes with relatively high posted travel speeds of 40 mph or greater.
- · Shared lanes in areas of limited sight distance.
- Situations where shared lanes or demarcated shoulders or marked bicycle lanes are dropped or end and bicycle and motor vehicle traffic must begin to share the travel lane.
- Steep descending grades where bicycle traffic may be operating at higher speeds and require additional maneuvering room to shy away from pavement edge conditions.
- Steep ascending grades, especially where there is no paved shoulder, or the shared lane is not adequately wide and bicycle traffic may require additional maneuvering room to maintain balance at low operating speeds.

- High volume urban conditions, especially those with travel lanes less than the recommended width for lane sharing.
- Other situations where it is determined to be advisable to alert vehicle drivers of the likely presence of bicycle traffic and to alert all traffic of the need to share available roadway space.

"Bicycles May Use Full Lane" (BMUFL) - This sign (R4-11) sign may be used:

- On roadways where there are no bicycle lanes or adjacent shoulders usable by cyclists and where travel lanes are too narrow for cyclists and motor vehicles to safely operate side-by-side.
- In locations where it is important to inform all roadway users that cyclists may occupy the travel lane.

Shared Lane Markings (next page) may be used in addition to or instead of BMUFL signs to inform road users that cyclists may occupy the travel lane. Both the Share the Road and BMUFL signs are recommended on most Class 3 routes. (Note: A new "Shared Road" sign is becoming the accepted standard instead of the "Share the Road" sign.)



Sign W16-1 and W11-1 (CA MUTCD)



Sign R4-11 (CA MUTCD)



Share the Road sign - San Clemente, CA

# City of Moreno Valley • Bicycle Master Plan

# **Class 3 Bicycle Route Enhancements**

#### Shared Lane Marking or "Sharrow" Design Criteria

The shared lane marking (SLM) is commonly used where parking is allowed adjacent to the travel lane. The center of the marking should be located a minimum of 11 feet from the curb face or edge of the road. If used on a street without on-street parking that has an outside travel lane less than 14 feet wide, the centers of the Shared Lane Markings should be at least four feet from the face of the curb, or from the edge of the pavement where there is no curb. (Note that these criteria are evolving and that it is now common practice to center SLMs within the typical vehicular travel route in the rightmost travel lane to ensure adequate separation between cyclists and parked vehicles.)

#### **Design Considerations**

Shared lane markings may be considered in the following situations:

- On roadways with speeds of 35 mph or less (CA MUTCD).
- On constrained roadways too narrow to stripe with bicycle lanes.
- To delineate space within a wide outside lane where cyclists can be expected to ride.
- On multi-lane roadways where cyclists can be expected to travel within outside lanes and vehicle drivers should be prepared to change lanes to pass cyclists.
- On roadways where it is important to increase vehicle driver awareness of cyclists.
- On roadways where cyclists frequently ride the wrong way.
- On roadways where cyclists tend to ride too close to parked vehicles.

#### **Recommendations**

Shared lane markings should be paired with the Bicycles May use Full Lane signs (R4-11) or Shared Road sign.

Further enhancements, such as a green striped lane throughout the Shared Lane Marking zone, is another upgrade employed by cities such as Long Beach and Salt Lake City.

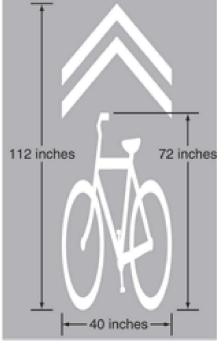
#### References

Caltrans HDM Chapter 300

California MUTCD 2012

NACTO Urban Bikeway Design Guide, 2012

Model Design Manual of Living Streets, 2011



Shared lane marking (CA MUTCD Figure 9C-9)



Green striped lane with shared lane markings - Long Beach, CA)



Shared lane marking - Oceanside, CA

# **Cycle Tracks**

A cycle track is a combination between a bicycle lane and shared-use path. This facility can be both two-way or oneway depending on existing road conditions, intersections and adjacent land use. The cycle track is a separate facility adjacent to a pedestrian sidewalk and physically protected from an adjacent travel lane. This treatment reduces the risk of conflicts between cyclists, pedestrians and parked vehicles.

#### **Design Guidelines**

- One way cycle track: 6.5 feet minimum desired.
- Two-way cycle track: 12 feet minimum desired.
- Cycle track buffer: three feet minimum desired.
- This facility separates cyclists from the road through either parked cars, planting strips, bollards, raised medians, or a combination of these elements.
- Can be placed on lower speed urban streets or streets with high ADTs and speed, but they should have with long blocks and little to no driveways or mid-block vehicular access points.

#### **Recommendations**

- Additional signage, traffic control treatments and pavement markings is needed to direct cyclists along cycle track and intersection.
- Priority needs to be on cyclist safety through intersections and minimizing vehicular/cyclist conflict points.

#### References

Innovative Bicycle Treatments: An Informational Report - ITE Pedestrian and Bicycle Council

NACTO Urban Bikeway Design Guide, 2012





Cycle track examples (Upper image illustrates buffered and colored configuration and lower illustrates raised configuration)



Cycle track - Long Beach, CA



The purpose of creating bicycle boulevards is to provide a primary bicycle friendly route to improve safety and convenience of cycling on local streets. Bicycle boulevards are typically used on residential streets parallel to nearby arterial roads on routes that have high or potentially high bicycle traffic. A bicycle boulevard is a roadway available to vehicle drivers, but prioritizes bicycle traffic through the use of various treatments. Motor vehicle traffic volume is reduced by periodically diverting vehicles off the street and the remaining traffic is slowed to the same speed as bicycles. Bicycle boulevards are most effective when several treatments are used in combination. The design features associated with a Bicycle Boulevard can help:

- Increase pedestrian, cyclist and overall community feelings of comfort and safety.
- Increase cycling and walking.
- Improve wayfinding.
- Discourage neighborhood cut-through traffic.
- · Calm and reduce neighborhood traffic.
- Provide shade for pedestrians and cyclists.
- Create a pleasant corridor through City center.

#### **Recommended Enhancements**

- Provide directional signage and/or special street sign design at all intersections.
- Provide continuous "Bicycle Boulevard" signage along route.
- Increased pavement markings and/or unique pavement markings such as colored bicycle lanes, Shared Lane Markings ("Sharrows") or "Bicycle Boulevard" pavement legends.
- Periodically re-route vehicular traffic off street without affecting emergency vehicle response.
- Limit stop signs and signals to greatest extent possible except where they help cyclists maneuver through busy intersections.
- Alter major intersections with bicycle sensors, crossing actuators, directional signage. Other treatments for intersections can include traffic circles, bulb-outs and high visibility crosswalks.
- Add street trees and landscaping.
- Route design, amenities and signage must be consistent throughout entire bicycle boulevard.
- Install bicycle parking at applicable locations along route.



Bicycle boulevard/roadway intersection treatment with signalized diagonal bicycle crossing - San Luis Obispo, CA



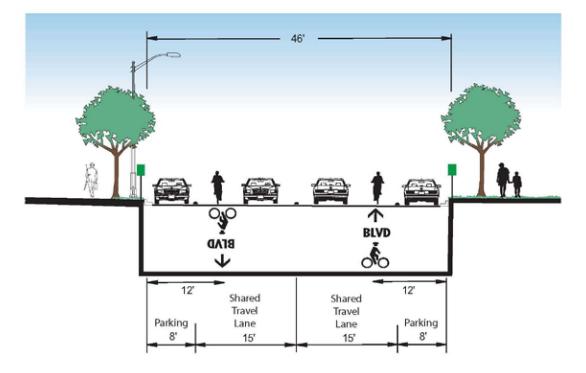
Bicycle boulevard pavement markings - San Luis Obispo, CA

Some optional Class 3 Bicycle Route enhancements for a bicycle boulevard include:

- Sharrows or Bicycle Boulevard pavement markings.
- Traffic calming (curb extensions, roundabouts, street trees and speed tables) designed to increase pedestrian and bicycle safety.
- Distinct and unique directional signage.
- Traffic control devices for bicycles at major intersections.
- Street trees and landscaping.

#### **General Signage Guidelines**

- Signs are a distinctive color to distinguish them from other traffic and road signs.
- Signs are made with retro-reflective material for improved visibility.
- Lettering on signs may be no less than two inches high.
- Provide bicycle system maps at hubs and near bicycle boulevard intersections.
- Place destination and distance signs every quarter mile, prior to signalized intersections, and in the block prior to the junctions with other bicycle facilities.
- Place bicycle boulevard identification signs at least at every other corner.
- · Avoid obscuring vegetation or other visual impediments.
- Where wrong-way riding is known to occur, install DO NOT ENTER signs with the bicycle symbol, as well as informational signage citing applicable codes and dangers of wrong-way cycling.



Cross section with bicycle boulevard pavement markings

City of Moreno Valley • Bicycle Master Plan

#### **Pavement Markings**

If bicycle lanes are the preferred alternative, they should be installed to meet Caltrans requirements. For further enhancements to the bicycle lanes, the inside of the lane can be painted green for further visibility. Some cities have used blue bicycle lanes, but they have since come under scrutiny because the ADA color designation is also blue. As a result, green has become the bikeway color standard.

Bicycle boulevard pavement markings are car-sized white pavement markings that depict a bicycle, the abbreviation of "BLVD" and a directional arrow. These markings are applied directly to the roadway surface in the center of the drive lane with four to six inch wide white paint striping. Markings should be placed in each direction of traffic following every intersection, near high volume driveways or other potential conflict points, and at no more than 200 foot intervals. Where the bicycle boulevard turns or jogs, arrows should be turned 45 or 90 degrees in the appropriate direction to help aid in way-finding.

Bicycle boulevard pavement markings can also inform vehicle drivers and cyclists of the end of the boulevard. When needed, these should be located in the same location as standard pavement markings to provide sufficient advance warning for cyclists to make appropriate decisions prior to the change. Advance warning 500 and 200 feet prior to the end of the end of a bicycle boulevard can be indicated on the pavement surface with "END" replacing the arrow and a count in feet until the end of the boulevard.

These symbols are to be used where bicycle lanes do not exist. With on-street parking, place the symbol twelve feet from curb face (measured to center of legend). Without on-street parking, place in center of the travel lane.

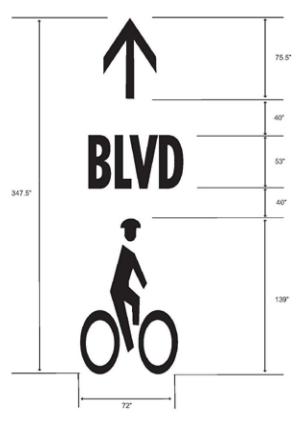
Note: Bicycle boulevard symbols are not a standard in the CA MUTCD. The diagram at right shows measurements for the symbol used in Berkeley, California.



Bicycle boulevard traffic diverters - San Luis Obispo, CA



Bicycle boulevard traffic circle - Long Beach, CA



Bicycle boulevard pavement marking - (Source: City of Berkeley, CA.)

# **Traffic Control Devices**

As legitimate roadways users, cyclists are subject to essentially the same rights and responsibilities as vehicle drivers. Traffic control devices must be selected and installed to take their needs into account and should be placed so cyclists properly positioned on the roadway can observe them.

#### **Traffic Signals and Detectors**

Traffic actuated signals should accommodate bicycle traffic. Detectors for traffic activated signals should be sensitive to bicycles, should be located in the cyclist's expected path and stenciling should direct the cyclist to the point where the bicycle will be detected.

Since detectors can fail, added redundancy in the event of failure is recommended in the form of pedestrian push buttons at all signalized intersections. These buttons should be mounted in a location that permits their activation by a cyclist without having to dismount.

It is common for bicycles to be made of so little ferrous metals that they may not be easily detectable by some currently installed types of loop detectors. As an convenience for cyclists, the strongest loop detection point should be marked with a standard symbol.

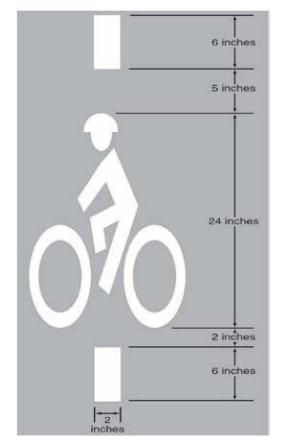
Where left turn lanes are provided and only protected left turns are allowed, bicycle sensitive loop detectors should be installed in the left turn lane. Where moderate or heavy volumes of bicycle traffic exist, or are anticipated, bicycles should be considered in the timing of the traffic signal cycle as well as in the selection and placement of the traffic detector device. In such cases, short clearance intervals should not be used where cyclists must cross multi lane streets. According to the 1991 AASHTO *Guide for the Development of Bicycle Facilities*, a bicycle speed of 10 mph and a perception/reaction time of 2.5 seconds can be used to check the clearance interval. Where necessary, such as for particularly wide roadways, an all red clearance interval can be used.

In general, for the sake of cyclist safety, protected left turns are preferred over unprotected left turns. In addition, traffic signal controlled left turns are much safer for cyclists than left turns at which vehicle drivers and cyclists must simply yield. This is because vehicle drivers, when approaching an unprotected left turn situation or planning to turn left at a yield sign, tend to watch for other vehicles and may not see an approaching cyclist. More positive control of left turns gives cyclists an added margin of safety where they need it most.

#### **Video Detection**

A video detection setup consists of a video detector, usually mounted on a riser pole or a mainline pole, and a computer with video image-processing capability. Video detection can pick up a cyclist's presence at an intersection over a large area. These systems have a flexible detector layout allowing for easy reprogramming of detection zones. Video detection technology has advanced to detect bicycles with the same accuracy as loop detectors.

Advantages to video detection over loop detection include the ability to adjust signal timing once activated to allow cyclists sufficient time to cross the intersection. Cameras can detect bicycles that do not contain iron, unlike many loop detectors, and in some cases can detect pedestrians fairly well. Video detection is also not affected by resurfacing work and may even be used to help direct traffic during construction.



Bicycle detector symbol (CA MUTCD Figure 9C-7)



#### **Bicycle Signals**

A bicycle signal is an electrically powered traffic control device that may only be used in combination with an existing traffic signal. They are typically used at intersections with heavy bicycle traffic, in conjunction with high peak vehicle traffic volumes, high conflict intersections or at the connections of shared use bicycle lanes and busy roadways.

These signals separate conflicting movements between pedestrians, vehicles and cyclists. Bicycle signals also provide priority movement for cyclists at intersections and alternates right-of-ways between the different road users.

Bicycle signals direct cyclists to take specific actions and may be used to improve an identified safety or operational problem involving cyclists.

Only green, yellow and red lighted bicycle symbols are used to implement bicycle movement at a signalized intersection. The application of bicycle signals is implemented only at locations that meet Caltrans bicycle signal warrant criteria. A separate signal phase for bicycle movement is used.

Alternative means of handling conflicts between cyclists and motor vehicles should be considered first. Two alternatives that should be considered are:



Bicycle signals - Tucson, AZ

- Striping to direct cyclists to a lane adjacent to a traffic lane such as a bicycle lane to left of a right-turn-only lane
- Redesigning intersection to direct cyclists from an offstreet path to a bicycle lane at a point removed from signalized intersection

A bicycle signal must meet warrant criteria before being considered for installation based on the following formula:

1. Volume; When **W** = **B** x **V** and **W** > 50,000 and **B** < 50.

Where:

W is the volume warrant

**B** is the number of bicycles at the peak hour entering the intersection

**V** is the number of vehicles at the peak hour entering the intersection

(B and V shall use the same peak hour)

2. Collision: When two or more bicycle/vehicle collisions of types susceptible to correction by a bicycle signal have occurred over a 12 month period and the responsible public works official determines that a bicycle signal will reduce the number of collisions.

3. Geometric: (a) Where a separate bicycle/multi-use path intersects a roadway. (b) At other locations to facilitate a bicycle movement that is not permitted for a motor vehicle.

#### References

California MUTCD 2012

NACTO Urban Bikeway Design Guide, 2012

# **Bicycle Parking Facilities**

Whenever possible, racks should be placed within 50 feet of building entrances where cyclists would naturally transition to pedestrian mode. The rack placement would ideally allow for visual monitoring by people within and around the building. Rack placement should minimize conflicts with both pedestrians and vehicle traffic. All bicycle parking should be on a solid surface and located a minimum of two feet from any parallel wall, and four feet from a perpendicular wall (as measured to the closest center of the rack).

The following text and graphics focus on outdoor installations using racks intended to accommodate conventional, upright, single-rider bicycles and a solid, U-shaped lock, or a cable lock, or both.

#### **Rack Element**

The rack element is the part of the bicycle rack that supports one bicycle. It should support the bicycle by its frame in two places, prevent the front wheel from tipping over, allow the frame and one or both wheels to be secured, and support bicycles with unconventional frames.

"Inverted-U" and similar type racks are most recommended because each element can support two bicycles. Commonly used "wave" type racks are not recommended because they support the bicycle at only one point. Also, cyclists often park their bicycles parallel with such racks, instead of perpendicular as intended, which effectively reduces the rack capacity by half.

The rack element must resist being cut or detached using common hand tools, especially those that can be concealed in a backpack. Such tools include bolt cutters, pipe cutters, wrenches and pry bars. Square tubing is highly recommended.

#### Rack

The rack itself is one or more rack elements joined on a common base or arranged in a regular array and fastened to a common mounting surface.

The rack elements may be attached to a single framework or remain single elements mounted in close proximity. They should not be easily detachable from the rack framework or easily removed from the mounting surface. The rack should be anchored so that it cannot be stolen with the bicycles attached, such as with vandal-resistant fasteners.



Custom bicycle rack - Oceanside, CA



Custom bicycle rack - San Diego, CA

The rack should provide easy, independent bicycle access. Typical inverted-U rack elements mounted in a row should be placed on 30" centers. Normally, the handlebar and seat heights will allow two bicycles to line up side-by-side in opposite directions. If it is too inconvenient and time-consuming to squeeze the bicycles into the space and attach a lock, cyclists will look for alternative places to park or use one rack element per bicycle and reduce the projected parking capacity by half.



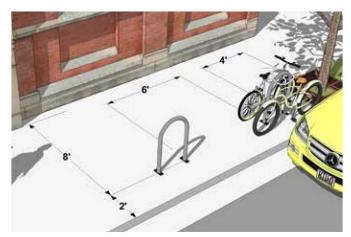
## **Rack Area**

The rack area is a bicycle parking lot where multiple racks are separated by aisles. The distance between aisles is measured from tip to tip of bicycle tires across the space between racks. The minimum separation between aisles should be two feet, which provides enough space for one person to walk one bicycle. In high traffic areas where many users park or retrieve bicycles at the same time, the recommended aisle width is six feet. The depth of each row of parked bicycles should also be six feet.

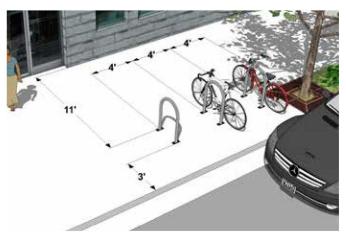
Large rack areas in high turnover areas should have more than one entrance. If possible, the rack area should be protected from the elements. Even though cyclists are exposed to sun, rain and snow while en route, covering the rack area keeps cyclists more comfortable while parking, locking their bicycles and loading or unloading cargo. A covering will also help keep bicycles dry, especially the saddles.



Bicycle rack dimensions for installations adjacent to walls



Bicycle rack dimensions for installations parallel to curb



Bicycle rack dimensions for installations perpendicular to curb

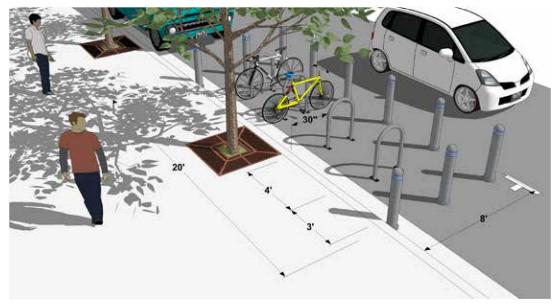
#### **Rack Area Site**

The rack area site is the relationship of a rack area to the building entrance or approach. In general, smaller, conveniently located rack areas should serve multiple buildings, rather than a larger combined, distant one. Racks far from the entrance or perceived to be where bicycles will be vulnerable to vandalism or theft will not receive much use.

Rack area location in relationship to the building it serves is very important. The best location is immediately adjacent to the entrance it serves, but racks should not be placed where they can block the entrance or inhibit pedestrian flow. The rack area should be located along a major building approach line and clearly visible from the approach. The rack area should be no more than a 30 second walk (120 feet) from the entrance it serves and should preferably be within 50 feet. A rack area should be as close or closer than the nearest car parking space, be clearly visible from the entrance it serves and be near each actively used entrance. In some cases, an appropriate location may be within the adjacent right-of-way as a bicycle corral, as shown below.



Movable bicycle corral - Long Beach, CA



Bicycle corral dimensions - Converts one car parking space into 8-10 bicycle spaces

# Long-term Parking

Bicycle parking facilities intended for long-term parking must protect against theft of the entire bicycle and its components and accessories. Three common ways of providing secure long-term bicycle parking are:

- Fully enclosed lockers accessible only by the user, either coin-operated, or by electronic, on-demand locks operated by "smartcards" equipped with touch-sensitive imbedded RFID chips.
- A continuously monitored facility that provides at least medium-term type bicycle parking facilities generally available at no charge.
- Restricted access facilities in which short-term type bicycle racks are provided and access is restricted only to the owners of the bicycles stored there.

Perhaps the easiest retrofit is the bicycle locker. Generally, they are as strong as the locks on their doors and can secure individual bicycles with their panniers, computers, lights, etc., left in place. Some bicycle locker designs can be stacked to double the parking density. Weather protection is another benefit. Bicycle lockers tend to be used most for long-term bicycle commuter parking in areas without continuous oversight. However, lockers with coin-operated locks can be a target of theft and may attract various unintended uses. This can be mitigated by installing lockers with mesh sides to allow periodic inspection.





Typical bicycle locker dimensions

# **Bicycle Suitability Model Overview**

The Bicycle Suitability Model was developed to determine the most likely areas within the City of Moreno Valley where cyclists are likely to ride to and come from. The model was created to prioritize areas and projects to benefit the largest number of cyclists possible. The Bicycle Suitability Model identifies existing and potential bicycle activity areas citywide utilizing existing data within an extensive GIS database.

# **Bicycle Suitability Model Description**

The overall model is comprised of three basic models: the Attractor, Generator and Detractor Models. When these three interim models are combined, they create the Bicycle Suitability Model.

The model identifies the characteristics of each particular area in geographic space and assigns a numeric value for each of these characteristics. The score per area is then added to create a ranking for that particular area in geographic space.

#### **Attractor Model Methodology**

The Bicycle Suitability Model identifies activity areas by utilizing cycling-related geographic features likely to attract cyclists. Typical bicycle and pedestrian commuter trips to nearby shopping centers, restaurants and work are very short, usually between 2-5 miles each way. More avid cyclists will commute over 20 miles round trip. School age children will normally ride or walk to school no more than a few miles round trip. The closer these attractors are to neighborhoods and primary cycling and pedestrian generators the more they are conducive for trips by bicycle or walking and are then given a higher weighting score. A one mile maximum distance in the model was given to encompass the majority of the shorter bicycle trips and maximum pedestrian trips. The many attractors are close enough that they would overlap within the mile.

The point scoring for the given attractors are based on a multitude of cycling and walking opportunities and bicycle amenities such as bicycle parking connections with other modes of transportation. For example, elementary schools are typically in neighborhoods to accommodate the younger population. Elementary school aged children are more likely to walk or rely on their bicycles as a mode of transportation to get to school compared to high school students who may hold a driver's license.

#### **Attractor Inputs**

- Elementary Schools
- Neighborhood Commercial (Local retail)
- Middle Schools
- Neighborhood Commercial
- Parks and Recreation
- Neighborhood Civic Facilities (Libraries, Post Office and Religious Facilities)
- Bus Stops
- High Schools and Colleges



### **Generator Model Methodology**

The Bicycle Suitability Model also utilizes demographic data as indicators of potential volume of cyclists based on how many people live or work within the cycling activity areas identified in the Attractor Model. This particular component is called the Generator Model. Existing and projected total population and employment were used, as well as other demographic data such as age and use of public transportation. The weighted multiplier scores were derived from City staff and public input, previous applications of the model and the factors that most influence bicycle and walking trips within the City. Cycling and walking activity areas that contain a greater number of people living or working within them who are more likely to walk or ride their bicycle to these areas. The model uses U.S. Census Bureau Census Block Groups.

#### **Generator Inputs**

- Generator Mobility: People who bicycle to work
- Non-Vehicular Transportation: People who use public transportation to work
- No Vehicle Ownership
- Current Population Estimate
- Current Employment Estimate
- 2035 Population Estimate
- 2035 Employment Estimate

#### **Barrier Model Methodology**

Detractors discourage or detract people from riding their bicycles. Relevant factors are more related to the vehicular intensity and perceived safety of the cycling environment. Streets with high traffic volumes and high speeds tend to detract people from cycling and walking due to the amount of traffic adjacent to their route. Known areas of high bicycle and pedestrian related collisions are also a deterrent since people may reroute their trip to avoid certain streets and intersections where safety may be a concern. The point system and weighted multipliers were derived from City input, public input through previous surveys, past applications of the model and available City data.

#### **Barrier Inputs**

- Bicycle-related Collisions
- Freeway Crossings Related to Cycling Travel
- Traffic Volumes
- Speed Limits
- Slope and Canyons

#### **Final Composite Model**

The Bicycle Suitability Model then combines the Generators, Attractors and Detractors.

The Attractor, Generator, Barrier and Issues grid cell models were overlaid and these combined grid cells containing generator, attractor and detractor values were added to provide a total composite value for each combined cell. The composite value identifies areas that have a higher cycling activity point total. In some cases, the areas that have a high cycling activity score are areas that already have facilities, but further improvement can be made to enhance the cycling environment.

# **Bicycle Facility Priority Criteria and Implementation**

The projects in this plan are a combination of planned and recommended bicycle facilities. Since the planned projects have yet to be implemented, prioritizing them along with the recommended projects subjects all of them to the same priority and implementation criteria. These projects were then itemized into Prioritized Projects, which are those that will have a significant impact on the existing bikeway system, such as closing major gaps and extending or developing multi-use paths, lanes or routes along major transportation corridors.

The following prioritization criteria were used to help identify which routes are likely to provide the most benefit to the City's bikeway system. The numbering used to identify projects within each bikeway facility class in the following sections does not necessarily imply priority. Bikeway facility implementation has no specific time line, since the availability of funds for implementation is variable and tied to the priorities of the City's capital improvement projects.

# **Bicycle Suitability Model (3 points total)**

#### **1. Suitability Scoring**

The Bicycle Suitability Model acquires the routes total model score and is then divided by the acreage of that project. The average score per square feet is then calculated to normalize the score for all facilities. This allows projects with smaller footprints to have the same scoring parameters as larger projects. The breakdown in points is as follows:

• High: >54 = 3, Moderate: 42-53 = 2, Low: <42 = 1

# Mobility and Access (9 points total)

#### 2. Closes gap in significant route

- Closes a gap in an existing high bicycle traffic facility = 3
- Closes a gap in a non-existent high bicycle traffic facility = 2
- Closes a gap to connect facilities with bicycle use = 1

#### 3. Linkage to Existing Bikeways

- Connects to 6 or more bikeways = 3
- Connects to 4-5 bikeways = 2
- Connects to 1-3 or less bikeways = 1

#### 4. Physical Constraints: 1 – 3 points

Physical constraints include freeway crossings, interchanges, and railroad crossings that would require special or more costly physical treatments to implement.

• None = 3, 1-2 = 2, >2 = 1

# Safety (9 points total)

# 5. Improves locations where bicycle collisions have occurred

- Fatal collisions have occurred directly on this route = 3
- Injury and non-injury related bicycle collisions have occurred on or near this route = 2
- No collisions have occurred on this route = 1

# 6. Improves routes with high vehicular traffic volumes

- Improves routes with high average daily trips (>20,000) = 3
- Improves routes with moderate average daily trips (10,000-20,000) = 2
- Improves routes with low average daily trips (<10,000) = 1

#### 7. Bicycle Collision Rates (Collision per mile)

• >2 = 3, 1-2 = 2, <1 = 1



# **Regional Significance (3 points total)**

#### 8. Route has regional significance in the bikeway system

- High significance, connects major bicycle facilities and activity centers = 3
- Moderate significance, connects some routes and activity centers within the City = 2 (Ex: Important internal connections to regional routes and major activity centers, schools and colleges)
- Little significance, does not directly connect to activity centers, etc, but is still important in the bikeway system = 1 (Ex: Project travels through neighborhoods and makes connections to other facilities)

# Public Support (3 points total)

#### 9. Public Outreach Input

Public outreach was conducted for this plan in the form of an online survey and public workshops. City staff and members of the public were asked to identify the projects they feel were important by facility type.

• >6 points = 3, 3-6 points = 2, <3 points = 1

The maximum possible score is 27 points for all facility types. Proposed projects can be rated periodically at whatever interval best fits funding cycles or to take into consideration the availability of new information, new funding sources, updated crash statistics, etc. Bikeway facility prioritization and implementation should be fine-tuned and adjusted according to on future circumstances.



The following comments were compiled from the bicycle master plan's three public meetings, a draft recommendations comment map posted at a bicycle shop, and the online survey.

#### **General Comments**

- Would like good bike parking available at all important destinations; more secure bike parking at rail stations and places of employment (places where people will store bikes long-term)
- Preference for Class I paths; already riding aqueduct trail, but would prefer if it were contiguous
- Opportunity for a big, contiguious loop in the City? Some known identity to the loop?
- Driver education program for drivers (???) increase of bicyclists
- Use green paint on all bike routes
- Coordinate with WRCOG NEV Plan and corridors
- Death far east of city
- Road issues? Debris on road causign accidents. Lighting needs
- City street sweeping, add landscaping

#### **Location-specific Comments**

- Aqueduct Path
- SR-60 and Moreno Beach
- Alessandro and Old 215
- Alessandro
- Allesandro and Frederick
- Allessandro east of Davis
- Heacock and Ecualyptus
- Box Springs, etc.
- Bay Ave
- Box Springs/Watkins
- Cactus
- Cactus and I-215
- Cactus and Nason
- Cottonwood and Redlands
- Davis south of Allessandro
- El Potrero Park
- Elder and Nason
- Eucalyptus
- Eucalyptus and Redlands
- Frederick
- Freeways
- Future Metrolink Station
- Gentian
- Gilman Springs
- Graham
- instance, there are many others) Need multi-use freeway crossing Drivers very aggressive, don't respect cyclists Trashed (at Allesandro and Heacock) What are new industrial developments accommodating for bicyclists? Road in very poor condition here High foot traffic between Sunnymead Elem. and Middle and Sunnymeadows Elem and cars Provide connection to Riverside via Box Springs, Eastridge, Alessandro, Cactus and make at least 7' wide for future N.E.V.'s Would like bike lane from Indian to Theodore Class 2 on Box Springs to Watkins Many cyclists (into MARB); Class I not feasible based on limited R.O.W. consider Class 2; 45mph speed limit, narrow, curves, fatal crash I've seen a lot of bikes on this bridge. What are plans here? Shift traffic from Hospital (Riverside County Regional Medical Center) Future logistical warehousing Class I path to wildlife area Class I cannot go through El Potrero Park Connect class 2 to proposed Class I @ Elder Bike sensors or buttons for signal lights at freeway to give us more time Loma Linda traffic, doctors, etc go on the hill Upgrade to Class 2 to connect Ironwood and Cottonwood; Frederick at SR-60 is a nightmare Freeway crossings for bikes and multi-use trails Would support Rail Trail along Metrolink Line between Moreno Valley and Riverside; What will connection be to station? Trashed, hard to ride. Class I between Heacock and Indian Horrendous road! I'd never recommend it; Would love to see Class IV/Cycle track here A bike/ped bridge at Graham would be great; I can see people going out of their way a bit to use something like that

Bridges would be required along Eastern Aqueduct Path (Gentian and Chelbana is one

- Bird sanctuary, Mystic Lake
- Check future land use, logistics center
- Wide mulit-use paths, minimum 10'
- Road safety for drivers regarding bicycles
- · Bicycle education needs High school, elementary school kids
- Connections to neighboring cities
- Complete Streets mandate, ADA transition plan
- Future road expansions, on roads with speeds in excess of 30mph or volumes in excess of 5,000 (ADVT) should include Class
   I or IV facilities

Class 2 to connect Alessandro and Cactus; Class 2 between Cactus and Meyer/JFK; What will

Upgrade to Class 2 for safety at Moreno Valley College; Probably too narrow for bike lanes

Moreno Beach from Juice it up (Moreno Beach and Trail Ridge) to Juice it up (Iris and Lasselle)

Would like good/low-stress route connecting Sunnymead Ranch Lake Shopping Center and

Measure A funds; Good access over SR-60, Why gap between Cactus and Brodiaea?

Dangerous stretch/continual crashes (narrow, winding road, drunk drivers, speeding)

Road Diet/Bike Lanes on JFK between Cactus and Moreno Beach

Like to see bike lane on this street, from Perris to its eastern terminus

State Park Connection (2); Stay consistent to Perris Master Trail Plan

Maybe school zone speed limit and flashers at day start and end

There should be bike lane running the whole length of Perris

Attempted to get Bike Friendly Business District designation

Connecting to UCR; UCR people use train tracks for connection

Upgrade to Class 2 to provide connection Ironwood to Cottonwood

Connect stranded Class 2 with Perris north to Ironwood

Would like to see bike lane from Locus to Cactus

Connect all schools with bike lanes (Class 2)

Would like to see a bike lane here

Why gap? Continue Class 2

Menifee along 74 fatality

Would love to see this happen

What about bike lane on Oliver?

Add bike lane to shopping center

adjacent neighborhoods

trails look like along Heacock toward Perris?

Juan de Anza trail, National Park Service

Should be bike lane all along Kitching

Connection to PVSC Multi-purpose trail

Opportunity for big loop north of SR-60

- Grand Vista
- Heacock
- Iris and Laselle
- Ironwood, Lasselle to Nason
- JFK
- Juan de Anza Trail
- Kalmia
- Kitching
- Kitching and Harley Knox
- Krameria near Laselle Elem Road diet on Krameria
- Lake Perris
- Laselle
- Menifee
- Metrolink Trail
- Moreno Beach
- Nason
- Nason and Cottonwood
- North of SR-60
- Oliver
- Perris
- Perris and Ironwood
- Perris to SR Parkway
- Pigeon Pass
- Quincy
- Schools
- Sunnymead Ranch Lake
- Sunnymeade
- UCR

The following are addresses to which the City sent notices concerning the bicycle master plan.

#### Local Bicycle Shops

- White's Bikes, 23750 Alessandro Boulevard
- Threshold Cycle, 24594 Sunnymead Ranch Parkway
- Rio Toys and Bike Shop, 25211 Sunnymead Boulevard

# Nearby Bicycle Shops

- Jenson USA, 1615 Eastridge Avenue, Riverside
- Lake Perris BMX, 18700 Lake Perris Drive, Perris
- Woodcrest Bicycle Center, 16960 Van Buren Blvd, Riverside
- Pedals Bike Shop, 3765 Jurupa Avenue, Riverside
- Don's Bikes, 384 S. Riverside Avenue, Rialto

#### Churches

- Antioch Christian Church, 14161 Elsworth Street
- Asamblea Apostolica, 24903 Sunnymead Boulevard
- Banks Christian Bible Center, 24725 Alessandro Boulevard
- Breakthrough Church, 22620 Goldencrest Drive
- Calvary Baptist Church, 14137 Business Center Drive
- Calvary Chapel of Moreno Valley, 11960 Pettit Street
- Calvary Church, 22810 Alessandro Boulevard
- Centro Christiano Sinai, 12880 Heacock Street
- Christian Chapel Foursquare, 13793 Redlands Boulevard
- Church Of Christ, 12660 Indian Street
- Church of Jesus Christ of Latter Day Saints, 11557 Redlands Blvd
- Church of Jesus Christ of Latter Day Saints, 13281 Lasselle Street
- Church of Jesus Christ of Latter Day Saints, 23300 Old Lake Drive
- Come and See Baptist Church, 24528 Sunnymead Boulevard
- Convent Christian Center International, 24556 Eucalyptus Ave
- Crosswinds Church, 29263 Ironwood Avenue
- Discovery Christian Church, 27555 Alessandro Boulevard
- End Time Ministries, 13027 Perris Boulevard
- Faith Community Fellowship Baptist Church, 13027 Perris Blvd
- Family of God Church, PO Box 8197
- First Apostolic Faith Church, 24084 Postal Avenue
- First Assembly of God, 23525 Hemlock Avenue
- First Baptist Church, 13630 Edgemont Street
- First Baptist Church, 24765 Fir Avenue
- Foothill Baptist Church, 21401 Box Springs Road
- Grace Episcopal Church, 11349 Perris Boulevard
- Hammi Gungang Church, 22079 Goldenchain Street
- Harvest Time Christian, 14420 Elsworth Street
- Heavenly Bound Baptist Church, 14051 Indian Street
- Highway Church, 13958 Old 215 Frontage Road
- Hosanna Cambodian Evan. Church, 14139 San Cristobal Bay Dr
- Islamic Development Center, 24436 Webster Avenue
- Jehovah's Witnesses, 11818 Indian Street
- Jehovah's Witnesses, 27046 Alessandro Boulevard
- Lighthouse Baptist School, 12140 Indian Street
- Living Way Christian Fellowship, 12125 Day Street
- Lord Of Life Lutheran Church, 13600 Nason Street
- Moreno Christian Assembly, 13830 Nason Street

- Moreno Valley Baptist, 25560 Alessandro Boulevard
- Moreno Valley Presbyterian, 13027 Perris Boulevard
- Moreno Valley United Methodist Church, 10271 Heacock Street
- Moreno Valley Foursquare Church, 13793 Redlands Boulevard
- Morningstar Community Church, 14331 Frederick Street
- New Judah Christian Fellowship, 13373 Perris Boulevard
- New Life Christian Fellowship, 21160 Box Springs Road
- New Life Christian Fellowship, 24551 Ironwood Avenue
- New Life Missionary Baptist Church, 14051 Indian Street
- New Light Missionary Baptist, 16100 New Light Way
- New Wine Fellowship Church, 22640 Goldencrest Drive
- Oasis Community Church, 23750 Alessandro Boulevard
- Palm Canyon Community Church, 25550 Ironwood Avenue
- Power in Praise Christian Church, 24715 Sunnymead Blvd
- Power Ministries, 14420 Elsworth Street
- Quinn African Methodist Church, 25400 Alessandro Boulevard
- Redeemed Christian Church, 25595 Horado Lane
- Reformed Church in America, 13131 Wichita Way
- Rose of Sharon Evangelistic Church, 12900 Heacock Street
- Seventh-Day Adventist Church, 12649 Indian Street
- Shepherd of the Valley Lutheran Church, 11650 Perris Boulevard
- Sovereign Grace Orthodox Church, 12125 Day Street
- Spirit Dominion Praise Church, 13373 Perris Boulevard
- St Patricks Roman Catholic Church, 10915 Pigeon Pass Road
- Strong Tower Apostolic Church, 22405 Goldencrest Drive
- Strong Tower Church of God, 24771 Iris Avenue
- Temple of Miracles Foursquare, 24528 Sunnymead Boulevard
- Trinity Baptist Church, 29175 Ironwood Avenue
- Under the Yoke Jesus Ministries, 24462 Peppermill Drive
- Valley Christian Church and Academy, 26755 Alessandro Blvd
- Victory by Faith, 14051 Indian Street
- Victory Outreach Church, 13630 Edgemont Street
- Victory Temple, 23932 Alessandro Boulevard
- Wesleyan Christian Fellowship, 13300 Indian Street
- Word of Life Christian Church, 23890 Alessandro Boulevard

T

• Zion Worship Center, 14325 Frederick Street

User counts can help to define and better understand cycling levels at locations citywide, to evaluate the impact of new facility development, policies or programs, and to better understand collision data through the calculation of crash rates per cyclist.

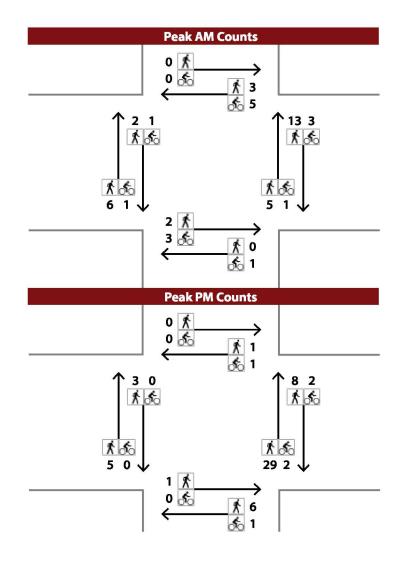
The National Bicycle and Pedestrian Documentation Project (NBPD) recommends a minimum of one count location per 15,000 residents for recurring counts, assuming that counts would typically occur annually (or seasonally) over a sequential one to three day period, and recommends counting at least once per year, preferably in September. The Southern California Association of Governments is developing a recommended bicycle count methodology and Moreno Valley should consider adopting it once it has been finalized.

The following summaries were from counts conducted at ten locations selected through discussion with City staff. Eight were standard morning and evening peak counts, and two were weekend mid-day counts to address anticipated high recreational use.

# 

#### Pigeon Pass Road and Ironwood Avenue

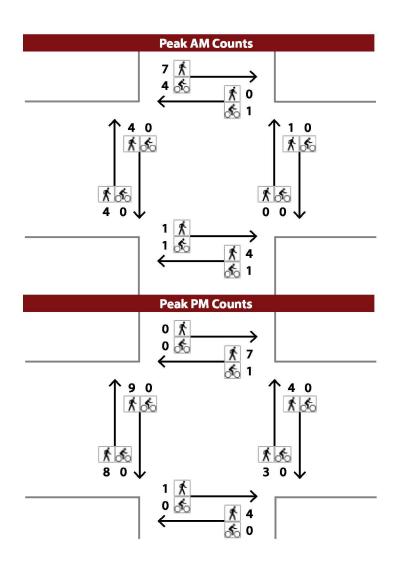
Existing Class II: Bike Lane Existing Class III: Bike Route



#### Perris Boulevard and Ironwood Avenue



Existing Class III: Bike Route

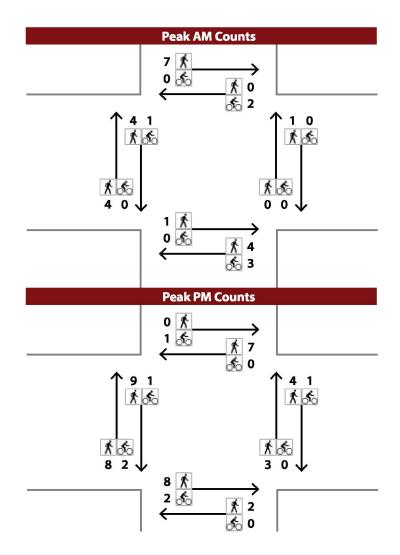




#### **Nason Street and Cactus Avenue**



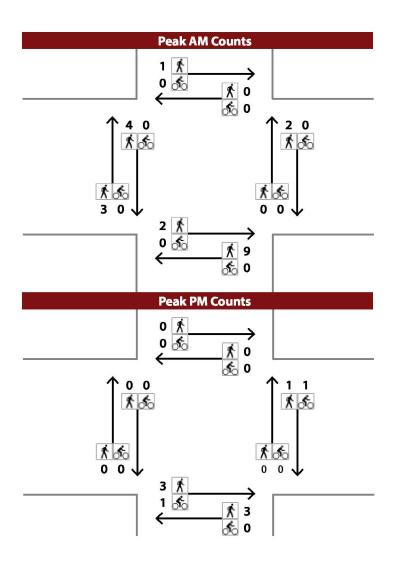




#### Moreno Beach Drive and Eucalyptus Avenue



Class II: Bike Lane

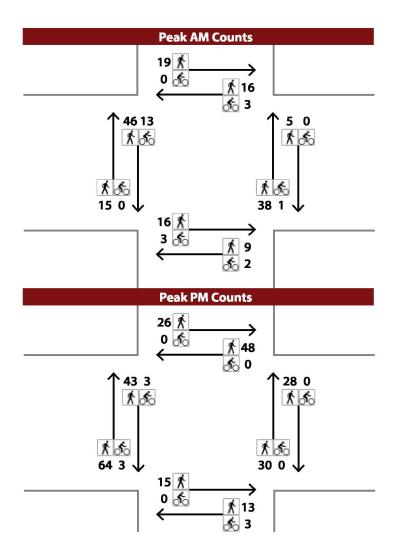




#### **Lasselle Street and Iris Avenue**



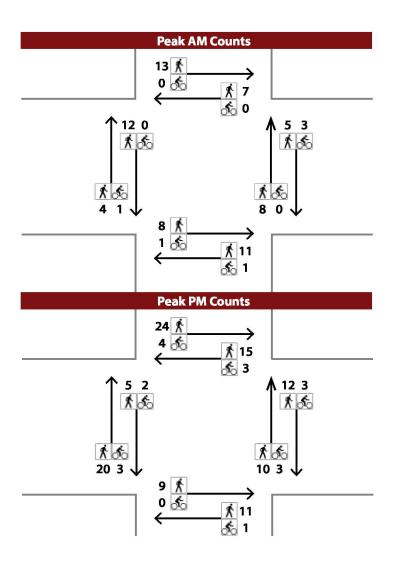
Existing Class II: Bike Lane Existing Class III: Bike Route



#### **Indian Street and Alessandro Boulevard**



Existing Class II: Bike Lane Existing Class III: Bike Route

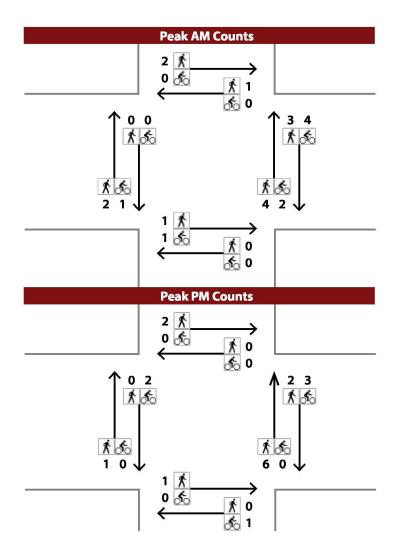




#### **Heacock Street and Cactus Avenue**

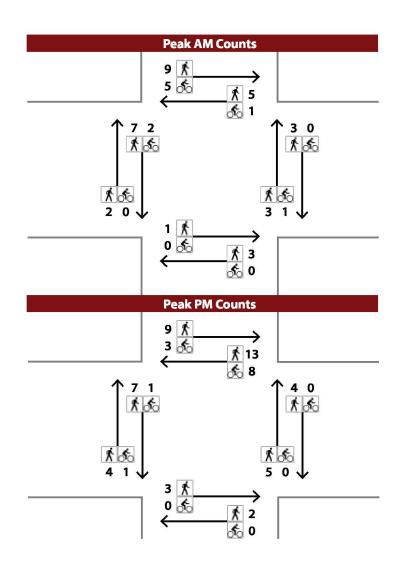


Existing Class I: Bike Path Existing Class III: Bike Route



# Frederick Street and Alessandro Boulevard

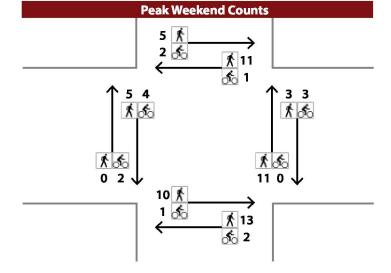








#### **Graham Street and Cottonwood Boulevard**

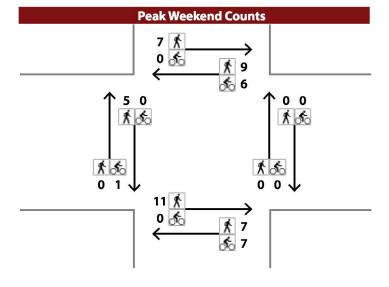


Existing Class III: Bike Route

Counts conducted 12 October 12th 2013 at 15 minute intervals between 9:00 AM and 2:45 PM

#### Via Del Lago and Iris Avenue





Class II: Bike Lane

Counts conducted 12 October 12th 2013 at 15 minute intervals between 9:00 AM and 2:45 PM



# California Streets and Highways Code Section 891.2, items a-k

For reviewer convenience, code text and associated document sections are listed below:

#### (a) The estimated number of existing bicycle commuters in the plan area and the estimated increase in the number of bicycle commuters resulting from implementation of the plan.

Current estimate of bicycle commuters is 2,270 using industry standard calculation methods. Expected increase as a result of this plan was based on other jurisdictions' experience with bikeway system development. This also addresses forecasted future employment increase of seven percent to 62,771, yield-ing 4,394 commuting cyclists, or 2,124 additonal cyclists, a 93 percent increase resulting from implementation of this plan. This includes students and transit users.

This document recommends establishing a cycling activity baseline using annual count locations shown in Appendix D, where initial counts were conducted for this study.

(b) A map and description of existing and proposed land use and settlement patterns which shall include, but not be limited to, locations of residential neighborhoods, schools, shopping centers, public buildings and major employment centers.

See Chapter 2 maps and tables.

(c) A map and description of existing and proposed bikeways.

See Chapter 3 maps and tables.

(d) A map and description of existing and proposed endof-trip bicycle parking facilities. These shall include, but not be limited to, parking at schools, shopping centers, public buildings and major employment centers.

See Chapter 3 maps and tables.

(e) A map and description of existing and proposed bicycle transport and parking facilities for connections with and use of other transportation modes. These shall include, but not be limited to, parking facilities at transit stops, rail and transit terminals, ferry docks and landings, park and ride lots, and provisions for transporting cyclists and bicycles on transit or rail vehicles of ferry vessels. See Chapter 2 maps and tables.

(f) A map and description of existing and proposed facilities for changing and storing clothes and equipment. These shall include, but not be limited to, locker, restroom and shower facilities near bicycle parking facilities.

See Chapter 3 maps and tables, particularly Section 3.2.

(g) A description of bicycle safety and education programs conducted in the area included in the plan, efforts by the law enforcement agency having primary traffic law enforcement responsibility in the area to enforce provisions of the Vehicle Code pertaining to bicycle operation, and the resulting effect on accidents involving cyclists.

#### To be provided in final submittal

(h) A description of the extent of citizen and community involvement in development of the plan including, but not be limited to, letters of support.

See Section 1.4: Methodology, and Appendix C, Community Input Summary.

(i) A description of how the bicycle transportation plan has been coordinated and is consistent with the local or regional transportation, air quality or energy conservation plans, including, but not be limited to, programs that provide incentives for bicycle commuting.

Encouraging bicycle commuting is addressed throughout the document, particularly Section 3.7: Recommended Bicycle Programs.

(j) A description of the projects proposed in the plan and a listing of their priorities of implementation.

See Chapter 3 maps, tables and program recommendations.

(k) A description of past expenditures for bicycle facilities and future financial needs for projects that improve safety and convenience for bicycle commuters in the plan area.

To be provided in final submittal

-





# PLANNING COMMISSION STAFF REPORT

- Case: PA14-0020 Plot Plan
- Date: September 25, 2014
- Applicant: CP Moreno Valley, DPSS, LLC
- Representative: Woodhaven Developers, Inc.
- Location: West side of Heacock Street at the intersection of Heacock Street and Webster Avenue
- Proposal: Plot Plan for a 52,500 square foot professional office building on the north half (5.8 acres) of a 10.91 acre commercial zoned site. The proposed development includes a total of 336 parking spaces with a secure employee parking area at the rear of the building.

Recommendation: Approval

#### SUMMARY

CP Moreno Valley, DPSS, LLC proposes to construct a 52,500 square foot office building on Parcel 1 of Tentative Parcel Map 36752 which is the north half of a 10.91 acre parcel.

#### PROJECT DESCRIPTION

#### **Project**

Plot Plan PA14-0020 proposes the development of a 52,500 square foot professional office building on Parcel 1 of Tentative Parcel Map 36752 which is the north half (5.8 acres) of a 10.91 acre site located within Assessor's Parcel Map 292-100-010.

The developer intends to lease the proposed office building to the County of Riverside's Department of Public and Social Services for the following services:

- CalWORKS GAIN a department which helps people find jobs and administers and distributes welfare payments and benefits; and
- Nutrition and Health Services a department that administers and distributes food stamps and provides assistance with Medi-Cal coverage and benefits.

The above services would be relocated from an existing location near the southwest corner of Cottonwood Avenue and Frederick Street at 23119 Cottonwood Avenue, Building #C.

The proposed hours of operation are Monday through Thursday, from 7:30 a.m. to 6:00 p.m. with a staff of approximately 150 employees.

A related application (PA14-0021) for Tentative Parcel Map 36752 was approved by the Community and Economic Development Director on August 26, 2014 to subdivide the site to create two parcels (Parcel 1 - a 5.8 acre parcel for the office building and Parcel 2 - a 5.11 acre parcel).

#### <u>Site</u>

The project site is located on the west side of Heacock Street near the intersection of Webster Avenue and Heacock Street. The project site is a vacant rectangular shaped parcel that is comprised of level to rolling topography.

There are no rock outcroppings, hilltops or steep slopes on the project site. The site is routinely disked for weed abatement to clear it of brush and weedy vegetation.

The project site is zoned Community Commercial (CC). The proposed office building is a permitted use in the CC zone.

#### Surrounding Area

The project site is surrounded by development with improved street frontage along Heacock Street and is surrounded by substantially urban uses. The area surrounding the proposed project includes a shopping center to the north in the Community Commercial zone, a mix of office, two vacant commercial zoned parcels and single-family residences to the east in commercial and mixed use zones of the Village Plan SP 204), single-family residential tract homes to the west and a medical office to the south. Further south at Heacock Street and Eucalyptus Avenue is Sunnymead Middle School.

#### Planning Commission Staff Report Page 3

Overall, the proposed Plot Plan for development of an office building is compatible with the City's General Plan and existing land uses.

#### Access/Parking

Access to the proposed office building is from Heacock Street via a shared driveway that will provide reciprocal access with future development of Parcel 2 to the south. Recordation of a reciprocal access agreement for shared use of the driveway is a condition of approval for Tentative Parcel Map No. 36752.

Municipal Code Section 9.11 requires a total of 210 spaces for the proposed office building. The project as designed provides a total of 336 parking spaces which exceeds the required parking for an office use. The project satisfies all parking requirements of the City's Municipal Code.

#### Design/Landscaping

The proposed project includes a single story office building of 52,500 square feet. The design of the building relies on simple massing with details that include cornices at the east and west entrances and aluminum canopies over windows and entrances. Tile veneer is placed at the main entrances to the building.

All walls on the site are proposed to be constructed with decorative block. The walls and fences for this project are conditioned to be consistent with the City's Municipal Code standards for placement, height and materials.

This project has been reviewed and the design of the proposed plot plan conforms to all development standards of the CC zone and the design guidelines for commercial uses as required within the City's Municipal Code.

#### **REVIEW PROCESS**

The project was reviewed by the Project Review Staff Committee (PRSC) in May and July 2014. Minor modifications were required to the plot plan exhibits and the preliminary grading plan.

Revised plans were submitted in August 2014. Following review of the revised exhibits, a determination was made to schedule the project for a Planning Commission public hearing.

#### ENVIRONMENTAL

An Initial Study has been completed for the proposed project. Based upon the Initial Study, a determination has been made that the proposed project will not result in the potential for significant impacts to the environment. Therefore, the adoption of a Negative Declaration is recommended.

#### NOTIFICATION

Public notice was sent to all property owners of record within 300' of the project on September 11, 2014. The public hearing notice for this project was also posted on the project site on September 13, 2014 and a 20 day notice was published in the local newspaper on September 5, 2014.

The City received a letter on August 15, 2014 from a resident who lives in a home that would back to the proposed office building. The residence is located on Gamma Street near the southwest corner of the site. The resident stated that at the purchase of her home 1983 she was advised by the developer that the project site would be developed as a park in the future. The letter states her opposition to the proposed office building.

The home on Gamma Street, which is located within Tract Map 12682 was approved by Riverside County prior to City incorporation. Planning was not able to verify the requirement for a park at this location. A review of zoning for the project site indicated that it was zoned for commercial development (C-P-S) under the jurisdiction of Riverside County prior to City incorporation in 1984. The existing Community Commercial (CC) zoning designation has been in place for the project site since Moreno Valley established its own zoning designation in 1992. Development of a park at this location does not appear to have been likely.

#### **REVIEW AGENCY COMMENTS**

Staff received the following responses to the Project Review Staff Committee transmittal; which was sent to all potentially affected reviewing agencies.

Agency	<u>Response Date</u>	<u>Comments</u>
Riverside County Flood Control	June 9, 2014	No conditions

Staff has coordinated with the responsible agencies listed above and where applicable, conditions of approval have been included to address concerns from the responding agencies.

#### **STAFF RECOMMENDATION**

Staff recommends that the Planning Commission **APPROVE** Resolution No. 2014-26 and thereby:

- 1. **ADOPT** a Negative Declaration for Plot Plan PA14-0020, pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
- 2. **APPROVE** Plot Plan PA14-0020 based on the findings contained in this resolution, and subject to the attached conditions of approval included as Exhibit A.

Prepared by:

Approved by:

Jeff Bradshaw Associate Planner Richard J. Sandzimier Planning Official

ATTACHMENTS:	1. Public Hearing Notice
--------------	--------------------------

- 2. Planning Commission Resolution No. 2014-26
- 3. Negative Declaration
- 4. Initial Study Checklist
- 5. Aerial Photograph
- 6. Architectural Plans
- 7. Preliminary Grading Plan
- 8. Project Letter of Intent
- 9. Project Opposition Letter

This page intentionally left blank.



# Notice of PUBLIC HEARING

# This may affect your property. Please read.

Notice is hereby given that a Public Hearing will be held by the Planning Commission of the City of Moreno Valley on the following item(s):

CASE: PA14-0020 - Plot Plan

APPLICANT: CP Moreno Valley, DPSS, LLC

**OWNER:** Woodhaven Developers, Inc.

REPRESENTATIVE: Woodhaven Developers, Inc.

**LOCATION:** West side of Heacock Street at the intersection of Heacock Street and Webster Avenue

**PROPOSAL:** Plot Plan for a 52,250 square foot office building on a 5.8 acre portion of a 10.91 acre commercial zoned site. The proposed development includes a total of 342 parking spaces with a secure employee parking area.

#### **ENVIRONMENTAL DETERMINATION:** Negative Declaration

#### COUNCIL DISTRICT: 5

#### STAFF RECOMMENDATION: Approval

Any person interested in any listed proposal can contact the Community & Economic Development Department, Planning Division, at 14177 Frederick St., Moreno Valley, California, during normal business hours (7:30 a.m. to 5:30 p.m., Monday through Thursday and Fridays from 7:30 a.m. to 4:30 p.m.), or may telephone (951) 413-3206 for further information. The associated documents will be available for public inspection at the above address.

In the case of Public Hearing items, any person may also appear and be heard in support of or opposition to the project or recommendation of adoption of the Environmental Determination at the time of the Hearing.

The Planning Commission, at the Hearing or during deliberations, could approve changes or alternatives to the proposal.

If you challenge any of these items in court, you may be limited to raising only those items you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the Planning Commission at, or prior to, the Public Hearing.



# LOCATION NØ

# PLANNING COMMISSION HEARING

City Council Chamber, City Hall 14177 Frederick Street Moreno Valley, Calif. 92553

DATE AND TIME: September 25, 2014 at 7 PM

CONTACT PLANNER: Jeff Bradshaw

PHONE: (951) 413-3224

**ATTACHMENT 1** 

This page intentionally left blank.

PLANNING COMMISSION RESOLUTION NO. 2014-26

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF MORENO VALLEY APPROVING PLOT PLAN APPLICATION PA14-0020 FOR DEVELOPMENT OF A 52,500 SQUARE FOOT OFFICE BUILDING ON A 5.8 ACRE PORTION OF A 10.91 ACRE PARCEL (ASSESSOR'S PARCEL NUMBER 292-100-010)

WHEREAS, CP Moreno Valley, DPSS, LLC, has filed an application for the approval of Plot Plan application PA14-0020 for development of an office building as described in the title of this Resolution; and

WHEREAS, on September 25, 2014, the Planning Commission of the City of Moreno Valley held a meeting to consider the application; and

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred; and

WHEREAS, there is hereby imposed on the subject development project certain fees, dedications, reservations and other exactions pursuant to state law and City ordinances;

WHEREAS, pursuant to Government Code Section 66020(d)(1), NOTICE IS HEREBY GIVEN that this project is subject to certain fees, dedications, reservations and other exactions as provided herein.

**NOW, THEREFORE, BE IT RESOLVED**, it is hereby found, determined and resolved by the Planning Commission of the City of Moreno Valley as follows:

- A. This Planning Commission hereby specifically finds that all of the facts set forth above in this Resolution are true and correct.
- B. Based upon substantial evidence presented to this Planning Commission during the above-referenced meeting on September 25, 2014, including written and oral staff reports, and the record from the public hearing, this Planning Commission hereby specifically finds as follows:
  - 1. **Conformance with General Plan Policies** The proposed use is consistent with the General Plan, and its goals, objectives, policies and programs.

**FACT:** The project site is located within a Commercial land use designation that has been in place since 1984. The proposed office building is consistent with General Plan Objective 2.4 and policies related to Commercial development. As designed and conditioned, the proposed office building will be compatible with the goals,

objectives, policies, and programs established within the General Plan and future developments, which may occur within the immediate area.

2. **Conformance with Zoning Regulations** – The proposed use complies with all applicable zoning and other regulations.

**FACT:** The project site is currently zoned Community Commercial (CC). This zoning designation has been in place since 1992. Prior to City incorporation in 1984, the project site was zoned for commercial development under the jurisdiction of Riverside County. The project as designed and conditioned will comply with all applicable zoning regulations. The project is designed in accordance with the provisions of Chapter 9.04 Commercial Districts of the City's Municipal Code.

3. **Health, Safety and Welfare** – The proposed use will not be detrimental to the public health, safety or welfare or materially injurious to properties or improvements in the vicinity.

**FACT:** The proposed plot plan as designed and conditioned will not adversely affect the public health, safety or general welfare. A Negative Declaration has been prepared to address the potential environmental impacts of the project in accordance with the provisions of the California Environmental Quality Act (CEQA).

4. **Location, Design and Operation** – The location, design and operation of the proposed project will be compatible with existing and planned land uses in the vicinity.

**FACT:** The project site is surrounded by development with improved street frontage along Heacock Street and is surrounded by substantially urban uses. The area surrounding the proposed project includes a shopping center to the north in the Community Commercial zone, a mix of office, two vacant commercial zoned parcels and single-family residences to the east in commercial and mixed use zones of the Village Plan (SP 204), single-family residential tract homes to the west and a medical office to the south. Further south at Heacock Street and Eucalyptus Avenue is Sunnymead Middle School. The proposed office building is a permitted use in the CC zone and the design of the proposed plot plan conforms to all development standards of the CC zone and the design guidelines for commercial uses as required within the City's Municipal Code. Overall, the proposed office building is compatible with existing land uses and the City's General Plan.

# C. FEES, DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

## 1. FEES

Impact, mitigation and other fees are due and payable under currently applicable ordinances and resolutions. These fees may include but are not limited to: Development Impact Fee, Transportation Uniform Mitigation Fee (TUMF), Multi-species Habitat Conservation Plan (MSHCP) Mitigation Fee, Stephens Kangaroo Habitat Conservation fee, Underground Utilities in lieu Fee, Area Drainage Plan fee, Bridge and Thoroughfare Mitigation fee (Future) and Traffic Signal Mitigation fee. The final amount of fees payable is dependent upon information provided by the applicant and will be determined at the time the fees become due and payable.

Unless otherwise provided for by this resolution, all impact fees shall be calculated and collected at the time and in the manner provided in Chapter 3.32 of the City of Moreno Valley Municipal Code or as so provided in the applicable ordinances and resolutions. The City expressly reserves the right to amend the fees and the fee calculations consistent with applicable law.

## 2. DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

The adopted Conditions of Approval for PA14-0020, incorporated herein by reference, may include dedications, reservations, and exactions pursuant to Government Code Section 66020 (d) (1).

# 3. CITY RIGHT TO MODIFY/ADJUST; PROTEST LIMITATIONS

The City expressly reserves the right to establish, modify or adjust any fee, dedication, reservation or other exaction to the extent permitted and as authorized by law.

Pursuant to Government Code Section 66020(d)(1), NOTICE IS FURTHER GIVEN that the 90 day period to protest the imposition of any impact fee, dedication, reservation, or other exaction described in this resolution begins on the effective date of this resolution and any such protest must be in a manner that complies with Section 66020(a) and failure to timely follow this procedure will bar any subsequent legal action to attack, review, set aside, void or annul imposition.

The right to protest the fees, dedications, reservations, or other exactions does not apply to planning, zoning, grading, or other similar application processing fees or service fees in connection with this project and it does not apply to any fees, dedication, reservations, or other exactions of which a notice has been given similar to this, nor does it revive challenges to any fees for which the Statute of Limitations has previously expired.

**BE IT FURTHER RESOLVED** that the Planning Commission **HEREBY APPROVES** Resolution No. 2014-26 and thereby:

- 1. **ADOPTS** a Negative Declaration for Plot Plan PA14-0020, pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
- 2. **APPROVES** Plot Plan PA14-0020 based on the findings contained in this resolution, and subject to the attached conditions of approval included as Exhibit A.

**APPROVED** this 25<sup>th</sup> day of September, 2014.

Jeffrey Giba Chair, Planning Commission

ATTEST:

Richard J. Sandzimier, Planning Official Secretary to the Planning Commission

APPROVED AS TO FORM:

City Attorney

Attached: Conditions of Approval

## CITY OF MORENO VALLEY CONDITIONS OF APPROVAL FOR PA14-0020 PLOT PLAN FOR AN OFFICE BUILDING ASSESSOR'S PARCEL NUMBER: 292-100-010

#### APPROVAL DATE: EXPIRATION DATE:

- <u>x</u> Planning (P), including School District (S), Post Office (PO), Building (B)
- \_x\_ Fire Prevention Bureau (F)
- **x** Financial & Management Services Dept. Special Districts Division (SD)
- **x** Public Works Department Land Development Division (LD)
- **x** Public Works Department Transportation Division (TE)
- Public Works Department Moreno Valley Utility (MVU)
- x Parks & Community Services (PCS)
- <u>x</u> Police (PD)
- \_\_\_\_ Other (Specify or Delete)

**Note:** All Special conditions are in **bold lettering**. All other conditions are standard to all or most development projects.

## **COMMUNITY & ECONOMIC DEVELOPMENT DEPARTMENT**

## Planning Division

For questions regarding any Planning condition of approval, please contact the Planning Division at (951) 413-3206.

- P1. Plot Plan PA14-0020 has been approved for development of a 52,500 square foot office building, to be built on the 5.8 acres of Parcel 1 of Tentative Parcel Map 36752.
- P2. Per Municipal Code Section 9.10.140, Plot Plan PA14-0020 shall be operated so that noise created by any loudspeaker, bells, gongs, buzzers, or other noise attention or attracting devices shall not exceed fifty-five (55) dBA at any one time beyond the boundaries of the property. (Ord. 359, 1992)
- P3. This approval shall expire three years after the approval date of this project unless used or extended as provided for by the City of Moreno Valley Municipal Code; otherwise it shall become null and void and of no effect whatsoever. Use means the beginning of substantial construction contemplated by this approval within the three-year period, which is thereafter pursued to completion, or the beginning of substantial utilization contemplated by this approval. (MC 9.02.230)

Timing Mechanisms for Conditions (see abbreviation at beginning of affected condition):

R - Map Recordation
WP - Water Improvement Plans

GP - Grading Permits BP - Building Permits

g Permits CO - Certificate of Occupancy or building final g Permits P - Any permit

GP - General Plan Ord - Ordinance Res - Resolution MC - Municipal Code CEQA - California Environmental Quality Act DG - Design Guidelines Ldscp - Landscape Development Guidelines and Specs UFC - Uniform Fire Code UBC - Uniform Building Code SBM - Subdivisi -221-<sup>\ct</sup> EXH: The Code UBC - Vertice A

Governing Document (see abbreviation at the end of the affected condition):

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 2 OF 32

- P4. The site shall be developed in accordance with the approved plans on file in the Community & Economic Development Department Planning Division, the Municipal Code regulations, General Plan, and the conditions contained herein. Prior to any use of the project site or business activity being commenced thereon, all Conditions of Approval shall be completed to the satisfaction of the Planning Official. (MC 9.14.020)
- P5. The developer, or the developer's successor-in-interest, shall be responsible for maintaining any undeveloped portion of the site in a manner that provides for the control of weeds, erosion and dust. (MC 9.02.030)
- P6. All landscaped areas shall be maintained in a healthy and thriving condition, free from weeds, trash and debris. (MC 9.02.030)
- P7. Any signs indicated on the submitted plans are not included with this approval. Any signs, <u>whether permanent (e.g. wall, monument) or temporary (e.g.</u> <u>banner, flag)</u>, proposed for this development shall be designed in conformance with the sign provisions of the Development Code or approved sign program, if applicable, and shall require separate application and approval by the Planning Division. No signs are permitted in the public right of way. (MC 9.12)

#### Prior to Issuance of Grading Permits

- P8. (GP) All site plans, grading plans, landscape and irrigation plans, fence/wall plans, lighting plans and street improvement plans shall be coordinated for consistency with this approval.
- P9. (GP) If potential historic, archaeological, or paleontological resources are uncovered during excavation or construction activities at the project site, work in the affected area will cease immediately and a qualified person (meeting the Secretary of the Interior's standards (36CFR61)) shall be consulted by the applicant to evaluate the find, and as appropriate recommend alternative measures to avoid, minimize or mitigate negative effects on the historic, prehistoric, or paleontological resource. Determinations and recommendations by the consultant shall be implemented as deemed appropriate by the Community & Economic Development Director, in consultation with the State Historic Preservation Officer (SHPO) and any and all affected Native American Tribes before any further work commences in the affected area.

If human remains are discovered, no further disturbance shall occur until the County Coroner has made necessary findings as to origin. If the County Coroner determines that the remains are potentially Native American, the California Native American Heritage Commission shall be contacted within a reasonable timeframe to identify the "most likely descendant."

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 3 OF 32

The "most likely descendant" shall then make recommendations, and engage in consultations concerning the treatment of the remains (California Public Resources Code 5097.98). (GP Objective 23.3, CEQA).

- P10. (GP) Prior to issuance of grading permits, the developer shall pay the applicable Stephens' Kangaroo Rat (SKR) Habitat Conservation Plan mitigation fee. (Ord)
- P11. (GP) Prior to approval of any grading permit, the developer shall submit for review and approval of a tree plan to the Planning Division. The plan shall identify all mature trees (4 inch trunk diameter or larger) on the subject property and City right-of-way. Using the grading plan as a base, the plan shall indicate trees to be relocated, retained, and removed. Replacement trees shall be shown on the plan, be a minimum size of 24 inch box, and meet a ratio of three replacement trees for each mature tree removed or as approved by the **Planning Official**. (GP Objective 4.4, 4.5, DG)
- P12. (GP) Within thirty (30) days prior to any grading or other land disturbance, a pre-construction survey for Burrowing Owls shall be conducted pursuant to the established guidelines of Multiple Species Habitat Conservation Plan.
- P13. (GP) Prior to the issuance of grading permits, the grading plan shall show decorative concrete pavers for all driveway ingress/egress locations of the project.
- P14. (GP) Prior to issuance of grading permits, the grading plan shall reference the staging of construction equipment at the greatest distance possible from the adjacent residential lots to the west.
- P15. (GP) Prior to issuance of grading permits, the developer shall submit wall/fence plans to the Planning Division for review and approval as follows:
  - A. Any proposed retaining walls shall also be decorative in nature, while the combination of retaining and other walls on top shall not exceed the maximum height of eight (8) feet.
  - B. Screening walls for the trash enclosure shall also be decorative block and the design shall be consistent with City Standard MVGF-660 Series for Waste Enclosures.
  - C. Decorative block wall along the western property line of at least six (6) feet in height.
  - D. The height, placement and design will be based on a site specific review of the project. All walls are subject to the approval of the Planning Official. (MC 9.08.070)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 4 OF 32

#### Prior to Issuance of Building Permits

- P16. (BP) Prior to issuance of building permits, the Planning Division shall review and approve the location and method of enclosure or screening of transformer cabinets, commercial gas meters and back flow preventers as shown on the final working drawings.
  Location and screening shall comply with the following criteria: transformer cabinets and commercial gas meters shall not be located within required setbacks and shall be screened from public view either by architectural treatment or landscaping; multiple electrical meters shall be fully enclosed and incorporated into the overall architectural design of the building(s); back-flow preventers shall be screened by landscaping. (GP Objective 43.30, DG)
- P17. (BP) Prior to issuance of building permits, screening details shall be addressed on plans for roof top equipment and trash enclosures submitted for Planning Division review and approval. All equipment shall be completely screened so as not to be visible from public view, and the screening shall be an integral part of the building. For trash enclosures, landscaping shall be included on at least three sides. The trash enclosure, including any roofing, shall be compatible with the architecture for the building(s). (GP Objective 43.6, DG)
- P18. (BP) Prior to issuance of building permits, two copies of a detailed, on-site, computer generated, point-by-point comparison lighting plan, including exterior building, parking lot, and landscaping lighting, shall be submitted to the Planning Division for review and approval. The lighting plan shall be generated on the plot plan and shall be integrated with the final landscape plan. The plan shall indicate the manufacturer's specifications for light fixtures used and shall include style, illumination, location, height and method of shielding. The lighting shall be designed in such a manner so that it does not exceed one-quarter foot-candle minimum maintained lighting measured from within five feet of any property line, and shall not blink, flash, oscillate or be of unusually high intensity or brightness. The lighting level for all parking lots or structures shall be a minimum coverage of one foot-candle of light with a maximum of eight foot-candles. After the third plan check review for lighting plans, an additional plan check fee will apply. (MC 9.08.100, DG)
- P19. (BP) Prior to issuance of building permits, the developer or developer's successor-in-interest shall pay all applicable impact fees, including but not limited to Transportation Uniform Mitigation fees (TUMF), Multi-species Habitat Conservation Plan (MSHCP) mitigation fees, and the City's adopted Development Impact Fees. (Ord)
- P20. (BP) Prior to issuance of any building permits, final landscaping and irrigation plans shall be submitted for review and approved by the Planning Division. After the third plan check review for landscape plans, an additional plan check fee shall apply. The plans shall be prepared in accordance with the City's Landscape Standards and shall include:
  - A. Finger and end planters with required step outs and curbing shall be

provided every 12 parking stalls as well as at the terminus of each aisle.

- B. Diamond planters shall be provided every 3 parking stalls.
- C. Drought tolerant landscape shall be used. Sod shall be limited to gathering areas.
- D. Street trees shall be provided every 40 feet on center along the site's Heacock Street frontage.
- E. On-site trees shall be planted at an equivalent of one (1) tree per thirty (30) linear feet of the perimeter of a parking lot and per thirty linear feet of a building dimension for the portions of the building visible from a parking lot or right of way. Trees may be massed for pleasing aesthetic effects.
- F. Enhanced landscaping shall be provided at all driveway entries and street corner locations
- G. The review of all utility boxes, transformers etc. shall be coordinated to provide adequate screening from public view.
- H. Landscaping on three sides of any trash enclosure.
- I. A temporary planter area with a minimum depth of five feet to include ground cover and shrubs shall be provided along the south side of the southern driveway extending across a portion of Parcel 2.
- J. All site perimeter and parking lot landscape and irrigation shall be installed prior to the release of certificate of any occupancy permits for the site.
- P21. (BP) Prior to the issuance of building permits, the plot plan shall include decorative concrete pavers for all driveway ingress/egress locations for the project
- P22. (BP) Prior to issuance of building permits, the developer shall submit for review and approval an easement for reciprocal access and maintenance of temporary landscape and irrigation located within adjacent Parcel 2 of TPM 36752.
- P23. (BP) Prior to the issuance of building permits, downspouts will be interior to the building, or if exterior, integrated into the architecture of the building to include compatible colors and materials to the satisfaction of the Community & Economic Development Director.

# Prior to Issuance of a Certificate of Occupancy

P24. (CO) Prior to issuance of Certificates of Occupancy or building final, all required walls, landscaping and irrigation shall be installed. (MC 9.03.040)

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 6 OF 32

#### **Building and Safety Division**

- B1. The above project shall comply with the current California Codes (CBC, CEC, CMC, CPC and Green Building Standards) as well as City ordinances. All new projects shall provide a soils report as well. Plans shall be submitted to the <u>Building Division as a separate submittal</u>. The 2013 Edition of the California Codes are currently in effect.
- B2. Prior to final inspection, all plans will be placed on a CD Rom for reference and verification. Plans will include "as built" plans, revisions and changes. The CD will also include Title 24 energy calculations, structural calculations and all other pertinent information. It will be the responsibility of the developer and or the building or property owner(s) to bear all costs required for this process. The CD will be presented to the Building and Safety Division for review prior to final inspection and building occupancy. The CD will become the property of the Moreno Valley Building and Safety Division at that time. In addition, a site plan showing the path of travel from public right of way and building to building access with elevations will be required.
- B3. (BP) Prior to the issuance of a building permit, the applicant shall submit a properly completed "Waste Management Plan" (WMP), as required, to the Compliance Official (Building Official) as a portion of the building or demolition permit process.
- B4. (BP) Prior to the issuance of a building permit, show on the plans that all exterior doors comply with the requirements of CBC 1133B.1.1.1 for accessible path of travel from every exit door, especially in consideration of doors that may be designated as exits due to interior obstructions to path of travel due to racks, equipment and other interior obstruction to the exit path of travel.
- B5. (BP) Prior to the issuance of a building permit, show on the plans that no gutter, drainage feature, swale or other deviation in the flat level surface at the accessible parking spaces exists within and for a minimum four foot extension beyond the outer dimensions of the parking space, loading zone and path of travel.
- B6. (BP) Plans shall be prepared, stamped and signed by a licensed Architect or Registered Civil Engineer for submission for plan check review.
- B7. (BP) Plumbing plans shall be prepared, including isometrics, for required plumbing fixtures based on California Plumbing Code, Chapter 4 and Table 4-1.

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 7 OF 32

## SCHOOL DISTRICT

S1. (BP) Prior to issuance of building permits, the developer shall provide to the Community & Economic Development Director a written certification by the affected school district that either: (1) the project has complied with the fee or other exaction levied on the project by the governing board of the district, pursuant to Government Code Section 65996; or (2) the fee or other requirement does not apply to the project.

## UNITED STATES POSTAL SERVICE

PO1. (BP) Prior to the issuance of building permits, the developer shall contact the U.S. Postal Service to determine the appropriate type and location of mailboxes.

# FIRE PREVENTION BUREAU

- 1. There shall be additional onsite and offsite hydrants required.
- 2. Knox key switches will be required at all gates and on both sides of the gates.

## 3. The following Standard Conditions shall apply.

With respect to the conditions of approval, the following fire protection measures shall be provided in accordance with Moreno Valley City Ordinances and/or recognized fire protection standards:

- F1. Final fire and life safety conditions will be addressed when the Fire Prevention Bureau reviews building plans. These conditions will be based on occupancy, use, California Building Code (CBC), California Fire Code (CFC), and related codes, which are in force at the time of building plan submittal.
- F2. The Fire Prevention Bureau is required to set a minimum fire flow for the remodel or construction of all commercial buildings per CFC Appendix B and Table B105.1. The applicant/developer shall provide documentation to show there exists a water system capable of delivering \_3125\_\_ GPM for\_4\_ hour(s) duration at 20-PSI residual operating pressure. The required fire flow may be adjusted during the approval process to reflect changes in design, construction type, or automatic fire protection measures as approved by the Fire Prevention Bureau. Specific requirements for the project will be determined at time of submittal. (CFC 507.3, Appendix B). The 50% reduction in fire flow was granted for the use of fire sprinklers throughout the facility. The reduction

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 8 OF 32

shall only apply to fire flow, hydrant spacing shall be per the fire flow requirements listed in CFC Appendix B and C.

- F3. Industrial, Commercial, Multi-family, Apartment, Condominium, Townhouse or <u>Mobile Home Parks</u>. A combination of on-site and off-site super fire hydrants (6" x 4" x 2 ½" x 2 ½") and super enhanced fire hydrants (6" x 4" x 4" x 2 ½") shall not be closer than 40 feet and more than 150 feet from any portion of the building as measured along approved emergency vehicular travel ways. The required fire flow shall be available from any adjacent fire hydrant(s) in the system. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, super or enhanced fire hydrants as determined by the fire code official shall be provided at spacing not to exceed 500 feet of frontage for transportation hazards. (CFC 507.5.7 & MVMC 8.36.060 Section K, L)
- F4. Prior to issuance of Certificate of Occupancy or Building Final, "Blue Reflective Markers" shall be installed to identify fire hydrant locations in accordance with City specifications. (CFC 509.1 and MV City Standard Engineering Plan 422 a, b, c)
- F5. Prior to issuance of Building Permits, the applicant/developer shall provide the Fire Prevention Bureau with an approved site plan for Fire Lanes and signage. (CFC 501.3)
- F6. Prior to construction and issuance of building permits, all locations where structures are to be built shall have an approved Fire Department emergency vehicular access road (all weather surface) capable of sustaining an imposed load of 80,000 lbs. GVW, based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4 and MV City Standard Engineering Plan 108d)
- F7. Prior to construction and issuance of Building Permits, fire lanes and fire apparatus access roads shall have an unobstructed width of not less than twenty-four (24) feet as approved by the Fire Prevention Bureau and an unobstructed vertical clearance of not less the thirteen (13) feet six (6) inches. (CFC 503.2.1 and MVMC 8.36.060[E])
- F8. Prior to construction, all roads, driveways and private roads shall not exceed 12 percent grade. (CFC 503.2.7 and MVMC 8.36.060[G])
- F9. Prior to construction, all locations where structures are to be built shall have an approved Fire Department access based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 9 OF 32

- F10. Prior to building construction, dead end roadways and streets which have not been completed shall have a turnaround capable of accommodating fire apparatus. (CFC 503.2.5)
- F11. The angle of approach and departure for any means of Fire Department access shall not exceed 1 ft drop in 20 ft (0.3 m drop in 6 m), and the design limitations of the fire apparatus of the Fire Department shall be subject to approval by the AHJ. (CFC 503 and MVMC 8.36.060)
- F12. Prior to construction, "private" driveways over 150 feet in length shall have a turnaround as determined by the Fire Prevention Bureau capable of accommodating fire apparatus. Driveway grades shall not exceed 12 percent. (CFC 503 and MVMC 8.36.060, CFC 501.4)
- F13. Prior to issuance of Certificate of Occupancy or Building Final, all <u>commercial</u> <u>buildings</u> shall display street numbers in a prominent location on the street side and rear access locations. The numerals shall be a minimum of six (6) inches in height for buildings and six (6) inches in height for suite identification on a contrasting background. Unobstructed lighting of the address(s) shall be by means approved by the Fire Prevention Bureau and Police Department. In multiple suite centers (strip malls), businesses shall post the name of the business on the rear door(s). (CFC 505.1, MVMC 8.36.060[I])
- F14. Prior to issuance of a Certificate of Occupancy or Building Final, a "Knox Box Rapid Entry System" shall be provided. The Knox-Box shall be installed in an accessible location approved by the Fire Chief. All exterior security emergency access gates shall be electronically operated and be provided with Knox key switches for access by emergency personnel. (CFC 506.1)
- F15. Prior to issuance of Building Permits, the applicant/developer shall participate in the Fire Impact Mitigation Program. (Fee Resolution as adopted by City Council)
- F16. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall install a fire sprinkler system based on square footage and type of construction, occupancy or use. Fire sprinkler plans shall be submitted to the Fire Prevention Bureau for approval prior to installation. (CFC Chapter 9, MVMC 8.36.100[D])
- F17. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall install a fire alarm system monitored by an approved Underwriters Laboratory listed central station based on a requirement for monitoring the sprinkler system, occupancy or use. Fire alarm panel shall be accessible from exterior of building in an approved location. Plans shall be submitted to the Fire Prevention Bureau for approval prior to installation. (CFC Chapter 9 and MVMC 8.36.100)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 10 OF 32

- F18. Prior to issuance of Building Permits, the applicant/developer shall furnish one copy of the water system plans to the Fire Prevention Bureau for review. Plans shall:
  - a) Be signed by a registered civil engineer or a certified fire protection engineer;
  - b) Contain a Fire Prevention Bureau approval signature block; and
  - c) Conform to hydrant type, location, spacing of new and existing hydrants and minimum fire flow required as determined by the Fire Prevention Bureau.

After the local water company signs the plans, the originals shall be presented to the Fire Prevention Bureau for signatures. The required water system, including fire hydrants, shall be installed, made serviceable, and be accepted by the Moreno Valley Fire Department prior to beginning construction. They shall be maintained accessible.

Existing fire hydrants on public streets are allowed to be considered available. Existing fire hydrants on adjacent properties shall not be considered available unless fire apparatus access roads extend between properties and easements are established to prevent obstruction of such roads. (CFC 507, 501.3)

- F19. Complete plans and specifications for fire alarm systems, fire-extinguishing systems (including automatic sprinklers or standpipe systems), clean agent systems (or other special types of automatic fire-extinguishing systems), as well as other fire-protection systems and appurtenances thereto shall be submitted to the Moreno Valley Fire Prevention Bureau for review and approval prior to system installation. Submittals shall be in accordance with CFC Chapter 9 and associated accepted national standards.
- F20. Emergency and Fire Protection Plans shall be provided when required by the Fire Prevention Bureau. (CFC Section 105, MVMC 8.36.100[A])
- F21. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer must submit a simple plot plan, a simple floor plan, and other plans as requested, each as an electronic file in .dwg format, to the Fire Prevention Bureau. Alternate file formats may be acceptable with approval by the Fire Chief.
- F22. Approval of the safety precautions required for buildings being constructed, altered or demolished shall be required by the Fire Chief in addition to other approvals required for specific operations or processes associated with such construction, alteration or demolition. (CFC Chapter 33 & CBC Chapter 33)
- F23. A permit is required to maintain, store, use or handle materials, or to conduct processes which produce conditions hazardous to life or property, or to install

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 11 OF 32

equipment used in connection with such activities. Such permits shall not be construed as authority to violate, cancel or set aside any of the provisions of this code. Such permit shall not take the place of any license required by law. Applications for permits shall be made to the Fire Prevention Bureau in such form and detail as prescribed by the Bureau. Applications for permits shall be accompanied by such plans as required by the Bureau. Permits shall be kept on the premises designated therein at all times and shall be posted in a conspicuous location on the premises or shall be kept on the premises in a location designated by the Fire Chief. Permits shall be subject to inspection at all times by an officer of the fire department or other persons authorized by the Fire Chief in accordance with CFC 105.

- F24. Construction or work for which the Fire Prevention Bureau's approval is required shall be subject to inspection by the Fire Chief and such construction or work shall remain accessible and exposed for inspection purposes until approved. (CFC Section 105)
- F25. The Fire Prevention Bureau shall maintain the authority to inspect, as often as necessary, buildings and premises, including such other hazards or appliances designated by the Fire Chief for the purpose of ascertaining and causing to be corrected any conditions which would reasonably tend to cause fire or contribute to its spread, or any violation of the purpose or provisions of this code and of any other law or standard affecting fire safety. (CFC Section 105)
- F26. Permit requirements issued, which designate specific occupancy requirements for a particular dwelling, occupancy, or use, shall remain in effect until such time as amended by the Fire Chief. (CFC Section 105)
- F27. In accordance with the California Fire Code Appendix Chapter 1, where no applicable standards or requirements are set forth in this code, or contained within other laws, codes, regulations, ordinances or bylaws adopted by the jurisdiction, compliance with applicable standards of the National Fire Protection Association or other nationally recognized fire safety standards as are approved shall be deemed as prima facie evidence of compliance with the intent of this code as approved by the Fire Chief. (CFC Section 102.8)
- F28. Any alterations, demolitions, or change in design, occupancy and use of buildings or site will require plan submittal to the Fire Prevention Bureau with review and approval prior to installation. (CFC 102.3)
- F29. Prior to Certificate of Occupancy all locations where medians are constructed and prohibit vehicular ingress/egress into or away from the site, provisions must be made to construct a median-crossover at all locations determined by the Fire Marshal and the City Engineer. Prior to the construction, design plans will be

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 12 OF 32

submitted for review and approval by the City Engineer and all applicable inspections conducted by Land Development Division.

F30. Prior to construction, all traffic calming designs/devices must be approved by the Fire Marshal and City Engineer.

## FINANCIAL & MANAGEMENT SERVICES DEPARTMENT

#### **Special Districts Division**

**Note:** All Special Conditions, Modified Conditions, or Clarification of Conditions are in bold lettering. All other conditions are standard to all or most development projects.

#### Acknowledgement of Conditions

The following items are the Special Districts Division's Conditions of Approval for project **PA14-0020**; this project shall be completed at no cost to any Government Agency. All questions regarding the following Conditions including but not limited to intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Special Districts Division of the Financial & Management Services Department 951.413.3480 or by emailing <u>specialdistricts@moval.org</u>.

## **General Conditions**

- SD1. The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services District Zone A (Parks & Community Services) and Zone C (Arterial Street Lighting). All assessable parcels therein shall be subject to annual parcel taxes for Zone A and Zone C for operations and capital improvements.
- SD2. Any damage to existing landscape areas maintained by the City of Moreno Valley due to project construction shall be repaired/replaced by the Developer, or Developer's successors in interest, at no cost to the City of Moreno Valley.
- SD3. The ongoing maintenance of any landscaping required to be installed behind the curb on **Heacock Street** shall be the responsibility of the property owner.
- SD4. Street Light Authorization forms for all street lights that are conditioned to be installed as part of this project must be submitted to the Special Districts Division for approval, <u>prior to</u> street light installation. The Street Light Authorization form can be obtained from the utility company providing electric service to the project, either Moreno Valley Utility or Southern California Edison.

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 13 OF 32

#### **Prior to Building Permit Issuance**

- SD5. (BP) This project has been identified to be included in the formation of a Community Facilities District (Mello-Roos) for **Public Safety** services, including but not limited to Police, Fire Protection, Paramedic Services, Park Rangers, and Animal Control services. The property owner(s) shall not protest the formation; however, they retain the right to object to the rate and method of maximum special tax. In compliance with Proposition 218, the property owner shall agree to approve the mail ballot proceeding (special election) for either formation of the CFD or annexation into an existing district. The Developer must notify Special Districts of intent to request building permits 90 days prior to their issuance to allow adequate time to be in compliance with the provisions of Article 13C of the California Constitution and California Government Code Section 53313 et. seq.
- SD6. (BP) This project is conditioned to provide a funding source for the capital improvements, energy charges, and maintenance for residential street lighting. The Developer shall satisfy the condition with one of the options below. The Developer must notify the Special Districts Division of its selected financial option 90 days prior to its intent to request building permits to allow adequate time to be in compliance with the provisions of Article 13C of the California Constitution.
  - a. Participate in a ballot proceeding for **street lighting** and pay all associated costs with the ballot process and formation costs, if any. Financing may be structured through a Community Services District zone, Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
  - b. Establish an endowment fund to cover future operation and maintenance costs for the street lights.
  - c. Projects with privately maintained streets, establish a Property Owner Association (POA) or Home Owners Association (HOA) which will to be responsible for any and all operation and maintenance costs associated with the street lights installed on <u>private roadways</u>. This does not apply to publicly accepted roadways.

# The financial option selected shall be in place prior to the issuance of the first building permit.

SD7. (BP) This project is conditioned to provide a funding source for the operation and maintenance of public improvements and/or services associated with new development in that territory. The Developer shall satisfy this condition with one of the options outlined below and shall notify the Special Districts Division of its selection a minimum of 90 days prior to their obtain a building permit to allow adequate time to be in compliance with the provisions of Article 13C of the California Constitution and California Government Code Section 53313 et. seq.

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 14 OF 32

- a. Participate in a special election for **maintenance/services** and pay all associated costs with the election process and formation costs, if any. Financing may be structured through a Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
- b. Establish an endowment fund to cover the future maintenance and/or service costs

# The financial option selected shall be in place prior to the issuance of the certificate of occupancy

- SD8. Commercial (BP) If Land Development, a Division of the Public Works Department, requires this project to supply a funding source necessary to provide for, but not limited to, stormwater utilities services for the monitoring of on-site facilities and performing annual inspections of the affected areas to ensure compliance with state mandated stormwater regulations, a funding source needs to be established. The Developer must notify the Special Districts Division of its selected financial option (see Land Development's related condition) 90 days prior to City Council action authorizing recordation of the final map for the development to allow adequate time to be in compliance with the provisions of Article 13D of the California Constitution and California Health and Safety Code Sections 5473 through 5473.8 (Ord. 708 Section 3.1, 2006) & City of Moreno Valley Municipal Code Title 3, Section 3.50.050.)
- SD9. (BP) Prior to the issuance of the first building permit for this project, the Developer shall pay Advanced Energy fees for all applicable Residential and Arterial Street Lights required for this development. Payment shall be made to the City of Moreno Valley and collected by the Land Development Division. Fees are based upon the Advanced Energy fee rate in place at the time of payment, as set forth in the current Listing of City Fees, Charges, and Rates adopted by City Council. The Developer shall provide a copy of the receipt to the Special Districts Division (*specialdistricts@moval.org*). Any change in the project which may increase the number of street lights to be installed will require payment of additional Advanced Energy fees at the then current fee.
- SD10. (BP) Prior to release of building permit, the Developer, or the Developer's successors or assignees, shall record with the County Recorder's Office a Covenant of Assessments for each assessable parcel therein, whereby the Developer covenants the existence of the Moreno Valley Community Services District, its established benefit zones, and that said parcel(s) is (are) liable for payment of annual benefit zone charges and the appropriate National Pollutant Discharge Elimination System (NPDES) maximum regulatory rate schedule when due. A recorded copy of the Covenant of Assessments shall be submitted to the Special Districts Division. A copy of the Covenant of Assessments is available from the City's website at www.moval.org or via email at specialdistricts@moval.org.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 15 OF 32

#### PUBLIC WORKS DEPARTMENT – LAND DEVELOPMENT DIVISION

The following are the Public Works Department – Land Development Division Conditions of Approval for this project and shall be completed at no cost to any government agency. All questions regarding the intent of the following conditions shall be referred to the Public Works Department – Land Development Division.

#### General Conditions

- LD1. (G) The developer shall comply with all applicable City ordinances and resolutions including the City's Municipal Code (MC) and if subdividing land, the Government Code (GC) of the State of California, specifically Sections 66410 through 66499.58, said sections also referred to as the Subdivision Map Act (SMA). (MC 9.14.010)
- LD2. (G) If the project involves the subdivision of land, maps may be developed in phases with the approval of the City Engineer. Financial security shall be provided for all improvements associated with each phase of the map. The boundaries of any multiple map increment shall be subject to the approval of the City Engineer. The City Engineer may require the dedication and construction of necessary utilities, streets or other improvements outside the area of any particular map, if the improvements are needed for circulation, parking, access, or for the welfare or safety of the public. (MC 9.14.080, GC 66412 and 66462.5) If the project does not involve the subdivision of land and it is necessary to dedicate right-of-way/easements, the developer shall make the appropriate offer of dedication by separate instrument. The City Engineer may require the construction of necessary utilities, streets or other improvements beyond the project boundary, if the improvements are needed for circulation, parking, access, or for the welfare or safety of the public.
- LD3. (G) It is understood that the tentative map correctly shows all existing easements, traveled ways, and drainage courses, and that their omission may require the map or plans associated with this application to be resubmitted for further consideration. (MC 9.14.040)
- LD4. (G) In the event right-of-way or offsite easements are required to construct offsite improvements necessary for the orderly development of the surrounding area to meet the public health and safety needs, the developer shall make a good faith effort to acquire the needed right-of-way in accordance with the Land Development Division's administrative policy. In the event that the developer is unsuccessful, he shall enter into an agreement with the City to acquire the necessary right-of-way or offsite easements and complete the improvements at such time the City acquires the right-of-way or offsite easements which will permit the improvements to be made. The developer shall be responsible for all costs associated with the right-of-way or easement acquisition. (GC 66462.5)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 16 OF 32

- LD5. (G) If improvements associated with this project are not initiated within two years of the date of approval of the Public Improvement Agreement, the City Engineer may require that the improvement cost estimate associated with the project be modified to reflect current City construction costs in effect at the time of request for an extension of time for the Public Improvement Agreement or issuance of a permit.
- LD6. (G) The developer shall monitor, supervise and control all construction and construction supportive activities, so as to prevent these activities from causing a public nuisance, including but not limited to, insuring strict adherence to the following:
  - (a) Removal of dirt, debris, or other construction material deposited on any public street no later than the end of each working day.
  - (b) Observance of working hours as stipulated on permits issued by the Public Works Department.
  - (c) The construction site shall accommodate the parking of all motor vehicles used by persons working at or providing deliveries to the site.
  - (d) All dust control measures per South Coast Air Quality Management District (SCAQMD) requirements shall be adhered to during the grading operations.

Violation of any condition or restriction or prohibition set forth in these conditions shall subject the owner, applicant, developer or contractor(s) to remedies as noted in the City Municipal Code 8.14.090. In addition, the City Engineer or Building Official may suspend all construction related activities for violation of any condition, restriction or prohibition set forth in these conditions until such time as it has been determined that all operations and activities are in conformance with these conditions.

- LD7. (G) The developer shall protect downstream properties from damage caused by alteration of drainage patterns, i.e., concentration or diversion of flow. Protection shall be provided by constructing adequate drainage facilities, including, but not limited to, modifying existing facilities or by securing a drainage easement. (MC 9.14.110)
- LD8. (G) Public drainage easements, when required, shall be a minimum of 25 feet wide and shall be shown on the map and plan, and noted as follows: "Drainage Easement no structures, obstructions, or encroachments by land fills are allowed." In addition, the grade within the easement area shall not exceed a 3:1 (H:V) slope, unless approved by the City Engineer.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 17 OF 32

- LD9. (G) A detailed drainage study shall be submitted to the City Engineer for review and approval at the time of any improvement or grading plan submittal. The study shall be prepared by a registered civil engineer and shall include existing and proposed hydrologic conditions. Hydraulic calculations are required for all drainage control devices and storm drain lines. (MC 9.14.110). Prior to approval of the related improvement or grading plans, the developer shall submit the approved drainage study, on compact disk, in (.pdf) digital format to the Land Development Division of the Public Works Department.
- LD10. (G) The final conditions of approval issued by the Planning Division subsequent to Planning Commission approval shall be photographically or electronically placed on mylar sheets and included in the Grading and Street Improvement plan sets on twenty-four (24) inch by thirty-six (36) inch mylar and submitted with the plans for plan check. These conditions of approval shall become part of these plan sets and the approved plans shall be available in the field during grading and construction.

#### Prior to Grading Plan Approval or Grading Permit

- LD11. (GPA) Prior to approval of the grading plans, plans shall be drawn on twenty-four (24) inch by thirty-six (36) inch mylar and signed by a registered civil engineer and other registered/licensed professional as required.
- LD12. (GPA) Prior to approval of grading plans, the developer shall ensure compliance with the City Grading ordinance, these Conditions of Approval and the following criteria:
  - a. The project street and lot grading shall be designed in a manner that perpetuates the existing natural drainage patterns with respect to tributary drainage area and outlet points. Unless otherwise approved by the City Engineer, lot lines shall be located at the top of slopes.
  - b. Any grading that creates cut or fill slopes adjacent to the street shall provide erosion control, sight distance control, and slope easements as approved by the City Engineer.
  - c. A grading permit shall be obtained from the Public Works Department Land Development Division prior to commencement of any grading outside of the City maintained road right-of-way.
  - d. All improvement plans are substantially complete and appropriate clearance and at-risk letters are provided to the City. (MC 9.14.030)
  - e. The developer shall submit a soils and geologic report to the Public Works Department Land Development Division. The report shall address the soil's stability and geological conditions of the site.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 18 OF 32

- LD13. (GPA) Prior to grading plan approval, the developer shall select and implement treatment control best management practices (BMPs) that are medium to highly effective for treating Pollutants of Concern (POC) for the project. Projects where National Pollution Discharge Elimination System (NPDES) mandates water quality treatment control best management practices (BMPs) shall be designed per the City of Moreno Valley guidelines or as approved by the City Engineer.
- LD14. (GPA) Prior to approval of the grading plans for projects that will result in discharges of storm water associated with construction with a soil disturbance of one or more acres of land, the developer shall submit a Notice of Intent (NOI) and obtain a Waste Discharger's Identification number (WDID#) from the State Water Quality Control Board (SWQCB). The WDID# shall be noted on the grading plans prior to issuance of the first grading permit.
- LD15. (GPA) Prior to the grading plan approval, or issuance of a building permit, if a grading permit is not required, the Developer shall submit two (2) copies of the final project-specific Water Quality Management Plan (WQMP) for review by the City Engineer that :
  - a. Addresses Site Design Best Management Practices (BMPs) such as minimizing impervious areas, maximizing permeability, minimizes directly connected impervious areas to the City's street and storm drain systems, and conserves natural areas;
  - b. Incorporates Source Control BMPs and provides a detailed description of their implementation;
  - c. Incorporates Treatment Control BMPs and provides information regarding design considerations;
  - d. Describes the long-term operation and maintenance requirements for BMPs requiring maintenance; and
  - e. Describes the mechanism for funding the long-term operation and maintenance of the BMPs.

A copy of the final WQMP template can be obtained on the City's Website or by contacting the Land Development Division of the Public Works Department.

LD16. (GPA) Prior to the grading plan approval, or issuance of a building permit, if a grading permit is not required, the Developer shall record a "Stormwater Treatment Device and Control Measure Access and Maintenance Covenant," to provide public notice of the requirement to implement the approved final project-specific WQMP and the maintenance requirements associated with the WQMP.

A boilerplate copy of the "Stormwater Treatment Device and Control Measure Access and Maintenance Covenant," can be obtained by contacting the Land Development Division of the Public Works Department.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 19 OF 32

- LD17. (GPA) Prior to the grading plan approval, the Developer shall secure approval of the final project-specific WQMP from the City Engineer. The final project-specific WQMP shall be submitted for review at the same time of grading plan submittal. Upon approval, a WQMP Identification Number is issued by the Storm Water Management Section and shall be noted on the rough grading plans or precise grading plans if a rough grading plan is not required. This shall be confirmation that a project-specific F-WQMP approval has been obtained. The approved final WQMP shall be submitted to the Storm Water Program Manager on compact disc (PDF) prior to grading plan approval.
- LD18. (GPA) Prior to the grading plan approval, or issuance of a building permit as determined by the City Engineer, the approved final project-specific WQMP shall be incorporated by reference or attached to the project's Storm Water Pollution Prevention Plan as the Post-Construction Management Plan.
- LD19. (GPA) Prior to grading plan approval, the developer shall prepare a Storm Water Pollution Prevention Plan (SWPPP) in conformance with the state's Construction Activities Storm Water General Permit. A copy of the current SWPPP shall be kept at the project site and be available for review upon request.
- LD20. (GPA) Prior to the approval of the grading plans, the developer shall pay applicable remaining grading plan check fees.
- LD21. (GPA/MA) Prior to the later of either grading plan or final map approval, resolution of all drainage issues shall be as approved by the City Engineer.
- LD22. (GP) Prior to the issuance of a grading permit the developer shall submit recorded slope easements from adjacent landowners in all areas where grading resulting in slopes is proposed to take place outside of the project boundaries. For all other offsite grading, written permission from adjacent property owners shall be submitted.
- LD23. (GP) Prior to issuance of a grading permit, if the project does not involve the subdivision of land and if the developer chooses to construct the project in construction phases, a Construction Phasing Plan for the construction of on-site public and private improvements shall be reviewed and approved by the City Engineer.
- LD24. (GP) Prior to issuance of a grading permit, if the fee has not already been paid prior to map approval or prior to issuance of a building permit if a grading permit is not required, the developer shall pay Area Drainage Plan (ADP) fees. The developer shall provide a receipt to the City showing that ADP fees have been paid to Riverside County Flood Control and Water Conservation District. (MC 9.14.100)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 20 OF 32

- LD25. (GP) Prior to issuance of a grading permit, security, in the form of a cash deposit (preferable), letter of credit, or performance bond shall be required to be submitted as a guarantee of the completion of the grading required as a condition of approval of the project. (MC 8.21.070)
- LD26. (GP) Prior to issuance of a grading permit, security, in the form of a cash deposit (preferable), letter of credit, or performance bond shall be required to be submitted as a guarantee of the implementation and maintenance of erosion control measures required as a condition of approval of the project. At least twenty-five (25) percent of the required security shall be in cash and shall be deposited with the City. (MC 8.21.160)
- LD27. (GP) Prior to issuance of a grading permit, the developer shall pay the applicable grading inspection fees.

#### Prior to Map Approval or Recordation

- LD28. (MA) Prior to approval of the map, all street dedications shall be irrevocably offered to the public and shall continue in force until the City accepts or abandons such offers, unless otherwise approved by the City Engineer. All dedications shall be free of all encumbrances as approved by the City Engineer.
- LD29. (MA) Prior to approval of the map, security shall be required to be submitted as a guarantee of the completion of the improvements required as a condition of approval of the project. A public improvement agreement will be required to be executed.
- LD30. (MR) Prior to recordation of the map, if the developer chooses to construct the project in construction phases, a Construction Phasing Plan for the construction of on-site public and private improvements shall be reviewed and approved by the City Engineer. This approval must be obtained prior to the Developer submitting a Phasing Plan to the California State Department of Real Estate.
- LD31. (MR) Prior to recordation of the map, if applicable, the developer shall have all street names approved by the City Engineer. (MC 9.14.090)
- LD32. (MR) Prior to recordation of the final map, this project is subject to requirements under the current permit for storm water activities required as part of the National Pollutant Discharge Elimination System (NPDES) as mandated by the Federal Clean Water Act. Following are the requirements:
  - a. Select one of the following options to meet the financial responsibility to provide storm water utilities services for the required continuous operation, maintenance, monitoring system evaluations and enhancements, remediation and/or replacement, all in accordance with Resolution No. 2002-46.

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 21 OF 32

- i. Participate in the mail ballot proceeding in compliance with Proposition 218, for the Residential NPDES Regulatory Rate Schedule and pay all associated costs with the ballot process, or
- ii. Establish an endowment to cover future maintenance costs for the Residential NPDES Regulatory Rate Schedule.
- b. Notify the Special Districts Division of the intent to record the final map 90 days prior to City Council action authorizing recordation of the final map and the financial option selected. The final option selected shall be in place prior to the issuance of the first building permit. (California Government Code & Municipal Code)

#### Prior to Improvement Plan Approval or Construction Permit

- LD33. (IPA) Prior to approval of the improvement plans, the improvement plans shall be drawn on twenty-four (24) inch by thirty-six (36) inch mylar and signed by a registered civil engineer and other registered/licensed professional as required.
- LD34. (IPA) Prior to approval of the improvement plans, the developer shall submit clearances from all applicable agencies, and pay all outstanding plan check fees. (MC 9.14.210)
- LD35. (IPA) All public improvement plans prepared and signed by a registered civil engineer in accordance with City standards, policies and requirements shall be approved by the City Engineer in order for the Public Improvement Agreement and accompanying security to be executed.
- LD36. (IPA) Prior to approval of the improvement plans, securities and a public improvement agreement shall be required to be submitted and executed as a guarantee of the completion of the improvements required as a condition of approval of the project.
- LD37. (IPA) The street improvement plans shall comply with all applicable City standards and the following design standards throughout this project:
  - a. Corner cutbacks in conformance with City Standard 208 shall be shown on the final map or, if no map is to be recorded, offered for dedication by separate instrument.
  - b. Lot access to major thoroughfares shall be restricted except at intersections and approved entrances and shall be so noted on the final map. (MC 9.14.100)
  - c. The minimum centerline and flow line grades shall be one percent unless otherwise approved by the City Engineer. (MC 9.14.020)

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 22 OF 32

- All street intersections shall be at ninety (90) degrees plus or minus five (5) degrees per City Standard No. 706A, or as approved by the City Engineer. (MC 9.14.020)
- e. All reverse curves shall include a minimum tangent of one hundred (100) feet in length.
- LD38. (IPA) Prior to approval of the improvement plans, the plans shall be based upon a centerline profile, extending beyond the project boundaries a minimum distance of 300 feet at a grade and alignment approved by the City Engineer. Design plan and profile information shall include the minimum 300 feet beyond the project boundaries.
- LD39. (IPA) Prior to approval of the improvement plans, the plans shall indicate any restrictions on trench repair pavement cuts to reflect the City's moratorium on disturbing newly-constructed pavement less than three years old and recently slurry sealed streets less than one year old. Pavement cuts for trench repairs may be allowed for emergency repairs or as specifically approved in writing by the City Engineer.
- LD40. (IPA) Prior to approval of the improvement plans, the developer shall pothole to determine the exact location of existing underground utilities. The improvement plans shall be designed based on the pothole field investigation results. The developer shall coordinate with all affected utility companies and bear all costs of utility relocations.
- LD41. (IPA) Prior to approval of the improvement plans, all dry and wet utility crossings shall be potholed to determine actual elevations. Any conflicting utilities shall be identified and addressed on the plans. The pothole survey data shall be submitted with the street improvement plans for reference purposes.
- LD42. (IPA) Prior to approval of the improvement plans, the developer is required to bring any existing access ramps adjacent to and fronting the project to current ADA (Americans with Disabilities Act) requirements. However, when work is required in an intersection that involves or impacts existing access ramps, those access ramps in that intersection shall be retrofitted to comply with current ADA requirements, unless approved otherwise by the City Engineer.
- LD43. (IPA) Prior to approval of the improvement plans, drainage facilities with sump conditions shall be designed to convey the tributary 100-year storm flows. Secondary emergency escape shall also be provided. (MC 9.14.110)
- LD44. (IPA) Prior to the approval of the improvement plans, the hydrology study shall show that the 10-year storm flow will be contained within the curb and the 100year storm flow shall be contained within the street right-of-way. In addition, one lane in each direction shall not be used to carry surface flows during any storm

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 23 OF 32

event for street sections equal to or larger than a minor arterial. When any of these criteria is exceeded, additional drainage facilities shall be installed. (MC 9.14.110 A.2)

- LD45. (IPA) The project shall be designed to accept and properly convey all off-site drainage flowing onto or through the site. All storm drain design and improvements shall be subject to review and approval of the City Engineer. In the event that the City Engineer permits the use of streets for drainage purposes, the provisions of the Development Code will apply. Should the quantities exceed the street capacity or the use of streets be prohibited for drainage purposes, as in the case where one travel lane in each direction shall not be used for drainage conveyance for emergency vehicle access on streets classified as minor arterials and greater, the developer shall provide adequate facilities as approved by the Public Works Department Land Development Division. (MC 9.14.110)
- LD46. (CP) All work performed within the City right-of-way requires a construction permit. As determined by the City Engineer, security may be required for work within the right-of-way. Security shall be in the form of a cash deposit or other approved means. The City Engineer may require the execution of a public improvement agreement as a condition of the issuance of the construction permit. All inspection fees shall be paid prior to issuance of construction permit. (MC 9.14.100)
- LD47. (CP) Prior to issuance of a construction permit, all public improvement plans prepared and signed by a registered civil engineer in accordance with City standards, policies and requirements shall be approved by the City Engineer.
- LD48. (CP) Prior to issuance of construction permits, the developer shall submit all improvement plans on compact disks, in digital format (PDF) to the Land Development Division of the Public Works Department.
- LD49. (CP) Prior to issuance of construction permits, the developer shall pay all applicable inspection fees.

Prior to Building Permit

- LD50. (BP) Prior to issuance of building permits for non-subdivision projects, the final/parcel map shall be recorded.
- LD51. (BP) Prior to issuance of building permits for non-subdivisions, security shall be required to be submitted as a guarantee of the completion of the improvements required as a condition of approval of the project. A public improvement agreement will be required to be executed.
- LD52. (BP) Prior to issuance of building permit for a non-subdivision project, the developer shall comply with the requirements of the City Engineer based on

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 24 OF 32

recommendations of the Riverside County Flood Control District regarding the construction of County Master Plan Facilities. (MC 9.14.110)

- LD53. (BP) Prior to issuance of a building permit, all pads shall meet pad elevations per approved plans as noted by the setting of "Blue-top" markers installed by a registered land surveyor or licensed engineer.
- LD54. (BP) Prior to issuance of a building permit, the developer shall submit for review and approval, a Waste Management Plan (WMP) that shows data of waste tonnage, supported by original or certified photocopies of receipts and weight tags or other records of measurement from recycling companies and/or landfill and disposal companies. The Waste Management Plan shall contain the following:
  - a. The estimated volume or weight of project waste to be generated by material type. Project waste or debris may consist of vegetative materials including trees, tree parts, shrubs, stumps, logs, brush, or any other type of plants that are cleared from a site. Project waste may also include roadwork removal, rocks, soils, concrete and other material that normally results from land clearing.
  - b. The maximum volume or weight of such materials that can be feasibly diverted via reuse and recycling.
  - c. The vendor(s) that the applicant proposes to use to haul the materials.
  - d. Facility(s) the materials will be hauled to, and their expected diversion rates.
  - e. Estimated volume or weight of clearing, grubbing, and grading debris that will be landfilled .

Approval of the WMP requires that at least fifty (50) percent of all clearing, grubbing, and grading debris generated by the project shall be diverted, unless the developer is granted an exemption. Exemptions for diversions of less than fifty (50) percent will be reviewed on a case by case basis. (AB939, MC 8.80)

## Prior to Certificate of Occupancy

- LD55. (CO) Prior to issuance of the last certificate of occupancy or building final, the developer shall pay all outstanding fees.
- LD56. (CO) The City of Moreno Valley has an adopted Development Impact Fee (DIF) nexus study. All projects unless otherwise exempted shall be subject to the payment of the DIF prior to issuance of occupancy. The fees are subject to the provisions of the enabling ordinance and the fee schedule in effect at the time of occupancy.
- LD57. (CO) The City of Moreno Valley has an adopted area wide Transportation Uniform Mitigation Fee (TUMF). All projects unless otherwise exempted shall be

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 25 OF 32

subject to the payment of the TUMF prior to issuance of occupancy. The fees are subject to the provisions of the enabling ordinance and the fee schedule in effect at the time of occupancy.

- LD58. (CO) Prior to issuance of a certificate of occupancy or building final, the developer shall construct all public improvements in conformance with applicable City standards, except as noted in the Special Conditions, including but not limited to the following applicable improvements:
  - a. Street improvements including, but not limited to: pavement, base, curb and/or gutter, cross gutters, spandrel, sidewalks, drive approaches, pedestrian ramps, street lights, signing, striping, under sidewalk drains, landscaping and irrigation, medians, redwood header boards, pavement tapers/transitions and traffic control devices as appropriate.
  - b. Storm drain facilities including, but not limited to: storm drain pipe, storm drain laterals, open channels, catch basins and local depressions.
  - c. City-owned utilities.
  - d. Sewer and water systems including, but not limited to: sanitary sewer, potable water and recycled water.
  - e. Under grounding of existing and proposed utility lines less than 115,000 volts.
  - f. Relocation of overhead electrical utility lines including, but not limited to: electrical, cable and telephone.
- LD59. (CO) Prior to issuance of a certificate of occupancy or building final, all existing and new utilities adjacent to and on-site shall be placed underground in accordance with City of Moreno Valley ordinances. (MC 9.14.130)
- LD60. (CO) Prior to issuance of a certificate of occupancy or building final for any Commercial/Industrial facility, whichever occurs first, the owner may have to secure coverage under the State's General Industrial Activities Storm Water Permit as issued by the State Water Resources Control Board.
- LD61. (CO) Prior to issuance of a certificate of occupancy or building final, the applicant shall ensure the following, pursuant to Section XII. I. of the 2010 NPDES Permit:
  - a. Field verification that structural Site Design, Source Control and Treatment Control BMPs are designed, constructed and functional in accordance with the approved Final Water Quality Management Plan (WQMP)

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 26 OF 32

b. Certification of best management practices (BMPs) from a state licensed civil engineer. An original WQMP BMP Certification shall be submitted to the City for review and approval.

## Prior to Acceptance of Streets into the City Maintained Road System

LD62. (AOS) Aggregate slurry, as defined in Section 203-5 of Standard Specifications for Public Works Construction, may be required just prior to the end of the oneyear warranty period of the public streets at the discretion of the City Engineer. If slurry is required, the developer/contractor must provide a slurry mix design submittal for City Engineer approval. The latex additive shall be Ultra Pave 70 (for anionic – per project geotechnical report) or Ultra Pave 65 K (for cationic – per project geotechnical report) or an approved equal. The latex shall be added at the emulsion plant after weighing the asphalt and before the addition of mixing water. The latex shall be added at a rate of two to two-and-one-half (2 to 21/2) parts to one-hundred (100) parts of emulsion by volume. Any existing striping shall be removed prior to slurry application and replaced per City standards.

#### **SPECIAL CONDITIONS**

- LD63. Prior to rough grading plan approval, this project shall demonstrate, via a final drainage study, that the increased runoff resulting from the development of this site is mitigated. During no storm event shall the flow leaving the site in the developed condition be larger than that of the predeveloped condition. The drainage study shall analyze the following events: 1, 3, 6 and 24-hour duration events for the 2, 5, 10 and 100-year storm events. The applicant understands that additional detention measures, beyond those shown on the tentative map and preliminary drainage study, may be required.
- LD64. Prior to rough grading plan approval, the Applicant shall prepare and submit for approval of an F-WQMP. The F-WQMP shall be consistent with the approved P-WQMP and in full conformance with the document; "Water Quality Management Plan: A Guidance Document for the Santa Ana Region of Riverside County" dated October 22, 2012. At a minimum, the F-WQMP shall include the following: storm water BMPs, LID Principles, Source Control BMPs, Operation and Maintenance requirements for BMPs; and sources of funding for BMP implementation.
  - a. All proposed LID BMP's shall be designed in accordance with the RCFC&WCD's Design Handbook for Low Impact Development Best Management Practices, dated September 2011.
  - b. The proposed LID BMP's as identified in the project-specific P-WQMP shall be incorporated into the Final WQMP.

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 27 OF 32

- c. The Applicant has proposed to incorporate the use of biofiltration facilities throughout the parking lot. Final design and sizing details of all BMPs must be provided in the first submittal of the F-WQMP, per the Special Project Conditions listed above. The Applicant acknowledges that more area than currently shown on the plans may be required to treat site runoff as required by the WQMP guidance document.
- d. The Applicant shall substantiate all applicable Hydrologic Condition of Concern (HCOC) issues in the first submittal of the F-WQMP.
- e. The NPDES notes per City Standard Drawing No. 711 shall be included in grading plans.
- f. Post-construction treatment control BMPs, once placed into operation for post-construction water quality control, shall not be used to treat runoff from construction sites or unstabilized areas of the site.
- LD65. Prior to precise grading plan approval, emergency overflow area(s) shall be shown at all applicable drainage improvement locations in the event that the drainage improvement fails or exceeds full capacity. This may include, but not be limited to, an emergency spillway in the proposed detention basin(s).
- LD66. Prior to precise grading plan approval, the grading plans shall show any proposed trash enclosure as dual bin; one bin for trash and one bin for recyclables. The trash enclosure shall be per City Standard Plan No. MVGF-660 Series.
- LD67. Prior to precise grading plan approval, the grading plans shall clearly show that the parking lot conforms to City standards. The parking lot shall be 5% maximum, 1% minimum, 2% maximum at or near any disabled parking stall and travel way. Ramps, curb openings and travel paths shall all conform to current ADA standards as outlined in Department of Justice's "ADA Standards for Accessible Design", Excerpt from 28 CFR Part 36. (www.usdoj.gov).
- LD68. Prior to issuance of a building permit, the precise grading plans shall be approved.
- LD69. Prior to parcel map approval and issuance of a building permit, the Developer shall guarantee the construction of the following improvements by entering into a public improvement agreement and posting security. The improvements shall be completed prior to occupancy of the first building or as otherwise determined by the City Engineer:
  - a. The developer shall schedule a walk through with a Public Works Inspector to inspect existing improvements within public right-of-way

## PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 28 OF 32

along project frontage. The applicant will be required to install, replace and/or repair any missing, damaged or substandard improvements including handicap access ramps that do not meet current City standards. The applicant shall post security to cover the cost of the repairs and complete the repairs within the time allowed in the public improvement agreement used to secure the improvements.

- b. Street lights shall be installed, per City Standard No. MVLT-400-B, on Heacock Street along the entire frontage of Parcel 1.
- c. Driveway approaches shall be constructed per City Standard No. MVSI-112C-0. No decorative pavers shall be placed within the public right-ofway.
- d. The developer shall install all necessary on-site and off-site drainage improvements to properly collect and convey drainage entering, within and leaving the project. This may include, but not be limited to on-site and perimeter drainage improvements to properly convey drainage within and along the project site, and downstream off-site improvements of master plan storm drain lines.
- e. The parcel map shall include an easement for reciprocal access at the proposed driveway between Parcels 1 and 2.
- f. Monuments shall be installed per City Standard No. MVSI-170 series.

LD70. Prior to occupancy, the applicant shall, demonstrate:

- a. That all structural BMPs have been constructed and installed in conformance with the approved plans and specifications;
- b. That all structural BMPs described in the F-WQMP have been implemented in accordance with approved plans and specifications;
- c. That the applicant is prepared to implement all non-structural BMPs included in the F-WQMP, conditions of approval, and building/grading permit conditions; and
- d. That an adequate number of copies of the approved F-WQMP are available for the future owners/occupants of the project.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 29 OF 32

#### **PUBLIC WORKS DEPARTMENT – TRANSPORTATION ENGINEERING DIVISION**

Based on the information contained in our standard review process we recommend the following conditions of approval be placed on this project:

#### **General Conditions**

- TE1. Heacock Street is classified as an Arterial (100' RW/76' CC) per City Standard Plan No. MVSI-104A-0. Traffic Signal Interconnect will be required along project frontage per City Standard Plan No. MVSI-186-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE2. Driveways shall conform to Section 9.11.080, and Table 9.11.080-14 of the City's Development Code Design Guidelines and City of Moreno Valley Standard No. MVSI-112C-0 for commercial driveway approach, or as approved by the City Engineer.
- TE3. Conditions of approval may be modified or added if a modified plan is submitted for this development.

#### **Prior to Improvement Plan Approval or Construction Permit**

- TE4. Prior to the final approval of the street improvement plans (if necessary), a signing and striping plan shall be prepared per City of Moreno Valley Standard Plans Section 4 for all streets with a cross section of 66'/44' and wider.
- TE5. Prior to issuance of a construction permit, construction traffic control plans prepared by a qualified, registered Civil or Traffic engineer may be required for plan approval or as required by the City Traffic Engineer.
- TE6. Prior to final approval of the street improvement, landscape, and/or grading plans, the project plans shall demonstrate that sight distance at driveways conforms to City Standard Plan No. MVSI-164A-0 through MVSI-164C-0.

#### Prior to Certificate of Occupancy or Building Final

TE7. (CO) Prior to issuance of Certificate of Occupancy, all approved signing and striping shall be installed per current City Standards and the approved plans.

# Prior to Acceptance of Streets into the City-maintained Road System

TE8. Prior to acceptance of streets into the City-maintained road system, all approved signing and striping shall be installed per current City Standards and the approved plans.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 30 OF 32

#### PARKS AND COMMUNITY SERVICES DEPARTMENT

#### Acknowledgement of Conditions

The following items are Parks and Community Services Department Conditions of Approval for Case No. PA 14-0020; this project shall be completed at no cost to any Government Agency. All questions regarding Parks and Community Services Department Conditions including but not limited to, intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Parks and Community Services Department 951.413.3280. The applicant is fully responsible for communicating with the Parks and Community Services Department regarding the conditions.

## PCS-1 SPECIFIC CONDITIONS OF APPROVAL

Not Applicable

# PCS-2 Parks and Community Services Department Standard Trail Conditions:

Not Applicable

**PCS-3** The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services Districts Zones A (Parks and Community Services). All assessable parcels therein shall be subject to the annual Zone 'A' charge for operations and capital improvements. Proof of such shall be supplied to Parks and Community Services upon Final Map and at Building Permits.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 31 OF 32

#### POLICE DEPARTMENT

**Note: All Special conditions are in bold lettering.** All other conditions are standard to all or most development projects

#### Standard Conditions

- PD1. Prior to the start of any construction, temporary security fencing shall be erected. The fencing shall be a minimum of six (6) feet high with locking, gated access and shall remain through the duration of construction. Security fencing is required if there is: construction, unsecured structures, unenclosed storage of materials and/or equipment, and/or the condition of the site constitutes a public hazard as determined by the Public Works Department. If security fencing is required, it shall remain in place until the project is completed or the above conditions no longer exist. (MC 9.08.080)
- PD2. (GP) Prior to the issuance of grading permits, a temporary project identification sign shall be erected on the site in a secure and visible manner. The sign shall be conspicuously posted at the site and remain in place until occupancy of the project. The sign shall include the following:
  - a. The name (if applicable) and address of the development.
  - b. The developer's name, address, and a 24-hour emergency telephone number. (MC 9.08.080)
- PD3. (CO) Prior to the issuance of a Certificate of Occupancy, an Emergency Contact information Form for the project shall be completed at the permit counter of the Community and Economic Development Department Building Division for routing to the Police Department. (MC 9.08.080)
- PD4. Addresses need to be in plain view visible from the street and visible at night. It needs to have a backlight, so the address will reflect at night or a lighted address will be sufficient.
- PD5. All exterior doors in the rear and the front of the buildings need an address or suite number on them.
- PD6. All rear exterior doors should have an overhead low sodium light or a light comparable to the same.
- PD7. The exterior of the building should have high-pressure sodium lights and or Metal halide lights installed and strategically placed throughout the exterior of the building. The parking lots should have adequate lighting to insure a safe environment for customers and or employees.

#### PLANNING DIVISION CONDITIONS OF APPROVAL FOR PA14-0020 PAGE 32 OF 32

- PD8. All landscape cover should not exceed over 3' from the ground in the parking lot.
- PD9. Bushes that are near the exterior of the building should not exceed 4' and should not be planted directly in front of the buildings or walkways.
- PD10. Trees, which exceed 20', should have a 7' visibility from the ground to the bottom half of the tree. This is so that patrons or employees can view the whole parking lot while parking their vehicles in the parking lot.
- PD11. Window coverings shall comply with the city ordinance.
- PD12. A monument address is to be located in front of the main entrance.
- PD13. Landscape screening is to be located no closer than six feet from the covered parking spaces.

## **NEGATIVE DECLARATION**

**PROJECT TITLE AND FILE NUMBER:** PA14-0020 (Plot Plan)

**PROJECT APPLICANT:** CP Moreno Valley, DPSS, LLC

**TELEPHONE NUMBER: (916) 851-9800** 

**PROJECT LOCATION:** West side of Heacock Street at the intersection of Heacock Street and Webster Avenue

**PROJECT DESCRIPTION:** Plot Plan for a 52,250 square foot office building on a 5.8 acre portion of a 10.91 acre commercial zoned site. The proposed development includes a total of 342 parking spaces with a secure employee parking area.

## **FINDING**

The City of Moreno Valley has reviewed the above project in accordance with the City of Moreno Valley's Guidelines for the Implementation of the California Environmental Quality Act, and has determined that an Environmental Impact Report need not be prepared because:

- [x] The proposed project will not have a significant effect on the environment.
- [ ] Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because mitigation measures described in the attached Initial Study and hereby made a part of this Mitigated Negative Declaration have been added to the project. The Final Conditions of Approval contain the final form and content of all mitigation measures.

This determination is based upon an Initial Study. The project file, including the Initial Study and related documents is available for review during normal business hours (7:30 a.m. to 5:30 p.m. Monday through Thursday, and Friday from 7:30 a.m. to 4:30 p.m.) at the City of Moreno Valley, Community & Economic Development Department, Planning Division, 14177 Frederick Street, Moreno Valley, California 92553, Telephone (951) 413-3206.

PREPARED BY: Jeff Bradshaw

DATE: September 4, 2014

#### **NOTICE**

The public is invited to comment on the Negative Declaration. The appropriateness and adoption of the Negative Declaration is considered at the time of project approval in light of comments received.

DATE ADOPTED:

BY:

This page intentionally left blank.



## INITIAL STUDY/ ENVIRONMENTAL CHECKLIST FORM CITY OF MORENO VALLEY

1.	Project Title:	PA14-0020 – Plot Plan for an Office Building
2.	Lead Agency Name and Address:	City of Moreno Valley Community and Economic Development Department Planning Division 14177 Frederick Street Moreno Valley, CA 92553
3.	Contact Person and Phone Number:	Jeff Bradshaw, Associate Planner (951) 413-3224
4.	Project Location:	West side of Heacock Street at the intersection of Webster Avenue and Heacock Street, Moreno Valley, Riverside County, CA
5.	Project Sponsor's Name and Address:	CP Moreno Valley DPSS, LLC 2890 Kilgore Road, Ste. #115 Rancho Cordova, CA 95670
6.	General Plan Designation:	Commercial (C)
7.	Zoning:	Community Commercial (CC)

8. Description of the Project:

Plot Plan PA14-0020 proposes the development of a 52,500 square foot office building on a 5.8 acre portion of a 10.91 acre site located within Assessor's Parcel Map 292-100-010. The proposed development includes a total of 336 parking spaces with a secure employee parking area with two gates.

A related application (PA14-0021) for Tentative Parcel Map 36752 was approved by the Community and Economic Development Director on August 26, 2014 to subdivide the site to create two parcels (Parcel 1 - a 5.8 acre parcel for the office building and Parcel 2 - a 5.11 acre remainder parcel).

9. Surrounding Land Uses and Setting:

The project site is surrounded by development with improved street frontage along Heacock Street and is surrounded by substantially urban uses. The area surrounding the proposed project includes a shopping center to the north in the Community Commercial zone, a mix of office, two vacant commercial zoned parcels and single-family residences to the east in commercial and mixed use zones of the Village Plan (SP 204), single-family residential tract homes to the west and a medical office to the south. Further south at Heacock Street and Eucalyptus Avenue is Sunnymead Middle School.

The project site was zoned for commercial development (C-P-S) under the jurisdiction of Riverside County prior to City incorporation in 1984. The existing Community Commercial zoning designation has been in place for the project site since Moreno Valley established its own zoning designation in 1992.

Overall, the proposed Plot Plan for development of an office building is compatible with the City's General Plan and existing land uses.

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

None

## ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below(n) would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

Aesthetics	Greenhouse Gas Emissions	Population/Housing
Agricultural Resources	Hazards & Hazardous Materials	Public Services
Air Quality	Hydrology/Water Quality	Recreation
Biological Resources	Land Use/Planning	Transportation/Traffic
Cultural Resources	Mineral Resources	Utilities/Service Systems
Geology/Soils	Noise	Mandatory Findings of
		Significance

## DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE	Х
DECLARATION will be prepared.	
I find that although the proposed project could have a significant effect on the environment, there will not be a	
significant effect in this case because revisions in the project have been made by or agreed to by the project	
proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.	
I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL	
IMPACT REPORT is required.	
I find that the proposed project MAY have a "potential significant impact" or "potentially significant unless	
mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier	
document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on	
the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required,	
but it must analyze only the effects that remain to be addressed.	
I find that although the proposed project could have a significant effect on the environment, because all	
potentially significant effects (a) have been analyzed in an earlier EIR or NEGATIVE DECLARATION	
pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR or	
NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed	
project, nothing further is required.	

Signature

Date

Jeff Bradshaw, Associate Planner Printed Name Planning Commission For

### 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 EIR is required.
- 4) "Negative Declaration: Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less 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 Analysis," as described in (5) below, may be cross-referenced).
- 5) Earlier analysis 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 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 analysis of each issue should identify: (a) the significance criteria or threshold used to evaluate each question; and (b) the mitigation measure identified, if any, to reduce the impact to less than significance.

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
I. AESTHETICS. Would the project:				

1. AESTHETICS. Would the project:				
a) Have a substantial adverse effect on a scenic vista?				X
b) Substantially damage scenic resources, including, but not limited to trees, rock				X
outcroppings, and historic buildings within a state scenic highway?				
(a and b) The Moreno Valley General Plan identifies scenic highways, panoram	nic viewsheds,	and photogr	aphic viewin	g location
within the aesthetic resource element. The General Plan identifies no scenic	roadways or j	panoramic vi	iewsheds in	the projec
vicinity. The project site is comprised of level and rolling topography with no r	ock outcroppin	ngs. The site	is regularly	cleared for
purposes of weed abatement. There are no historic buildings on the site and there				
been conditioned to replace all mature trees with a tree having a 4-inch trunk cal				
designed and conditioned, the proposed plot plan will have no effect on a scenic				
damage scenic resources, including, but not limited to rock outcroppings, and histo				
c) Substantially degrade the existing visual character or quality of the site and its			X	
surroundings?				
At completion, the proposed project would consist of a 52,500 square foot single	e-story office t	building on 5	.8 acres. Th	e propose
plot plan would be developed with private drive aisles, employee and visitor park	-	-		
City's Municipal Code, City Design Guidelines and City Landscape standards.				
provide a framework that ensures that any new development would be design				
surrounding land uses. Therefore, the proposed project would be aesthetically				
regard to architectural style, design, materials, colors, landscaping, and height.				
conditions of approval including compliance with landscaping and development				
he project site in a manner consistent with existing adjacent uses and the Mu				
legrade the existing visual character or quality of the site and surroundings.	······,	FJ		0
d) Create a new source of substantial light or glare which would adversely affect			X	
lay or nighttime views in the area?				
The project would introduce some additional new light sources into the area a	as the propose	d office buil	lding would	have som
The project would macdade bonne additional new right boardes mic the area t				
outdoor lighting. The proposed plot plan will be developed in accordance with the	e lighting stand	lards in the C	City's Munici	pal Code.
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o	e lighting stand ffice buildings	lards in the C and comme	city's Munici rcial centers	pal Code. in the area
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o and would not create a substantial increase in lighting or glare which would adverse	e lighting stand ffice buildings sely affect day	lards in the C and comment or nighttime	City's Munici rcial centers views in the	pal Code. in the area area.
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult	e lighting stand ffice buildings sely affect day tural resources	lards in the C and comment or nighttime are significa	City's Munici rcial centers views in the nt environme	pal Code. in the area area. mtal
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o and would not create a substantial increase in lighting or glare which would advers II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the are area. ntal d by the
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the area area. ntal d by the
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing or and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing improject?	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the area area. Intal d by the ild the
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing improject? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the area area. ntal d by the
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing or and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing improject? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the area area. Intal d by the ild the
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse T. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im- 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-	e lighting stand ffice buildings sely affect day tural resources I Site Assessme	lards in the C and comment or nighttime are signification ent Model (1)	City's Munici- rcial centers views in the nt environme 997) prepare	pal Code. in the are area. mtal d by the ild the
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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?	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agric	lards in the C and commer or nighttime are significa ent Model (1 ulture and far	ity's Munici rcial centers views in the nt environme 997) prepare rmland. Wou	pal Code. in the are area. Intal d by the ild the X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im project? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distr	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice	lards in the C and commer or nighttime are significa ent Model (1 ulture and fan is designated	city's Munici rcial centers views in the nt environme 997) prepare rmland. Wou as 'Urban a	pal Code. in the are area. Intal d by the ild the X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im project? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site has	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice	lards in the C and commer or nighttime are significa ent Model (1 ulture and fan is designated	city's Munici rcial centers views in the nt environme 997) prepare rmland. Wou as 'Urban a	pal Code. in the are area. Intal d by the ild the X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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- ngricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site has within the project boundaries.	e lighting stand ffice buildings sely affect day tural resources a Site Assessme apacts on agrice icts. The site as no agricultu	lards in the C and commer or nighttime are significa ent Model (1 ulture and fan is designated	city's Munici rcial centers views in the nt environme 997) prepare rmland. Wou as 'Urban a	pal Code. in the are area. Intal d by the ild the X X nd Built-u s occurrir
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse. It. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing improject? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide framorance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distribution, not prime farmland, on the State Important Farmland Map. The site has within the project boundaries.	e lighting stand ffice buildings sely affect day tural resources a Site Assessme apacts on agrice icts. The site as no agricultu	lards in the C and comment or nighttime are signification ent Model (1) ulture and fant is designated arally produc	Sity's Municipation of the second state of	pal Code. in the are area. ontal d by the ild the X M Built-u s occurrir X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site ha within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract The site is not currently in agricultural use, or under Williamson Act control. T	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice icts. The site as no agricultu ? here is no exis	lards in the C and comment or nighttime are significated are Model (1) ulture and far is designated arally producted sting surround	Sity's Municipation of the second state of	pal Code. in the are area. Intal d by the ild the X M Built-us s occurrin X ural use, o
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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- negricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site has within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract The site is not currently in agricultural use, or under Williamson Act contract the site is not currently in agricultural use, or under Williamson Act contract.	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agricultur icts. The site as no agricultur ? here is no exis uses such as c	lards in the C and commer or nighttime are significa ent Model (1 ulture and fat is designated arally produc sting surround rops in all zo	Sity's Municipartic Structure Str	pal Code. in the are area. Intal d by the ild the X M Built-u s occurrin X ural use, o s, therefor
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im- project? a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distri- Land', not prime farmland, on the State Important Farmland Map. The site har within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or a gricultural he proposed plot plan does not conflict with existing zoning for agricultural he proposed plot plan does not conflict with existing zoning for agricultural use, or a for agricultural use, or agricultural	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agricultur icts. The site as no agricultur ? here is no exis uses such as c	lards in the C and commer or nighttime are significa ent Model (1 ulture and fat is designated arally produc sting surround rops in all zo	Sity's Municipartic Structure Str	pal Code. in the are area. Intal d by the ald the X M Built-u s occurrin X ural use, o s, therefor thract.
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im- project? b) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distri- Land', not prime farmland, on the State Important Farmland Map. The site har within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not contract. The Municipal Code allows for agricultural he proposed plot plan does not conflict with existing zoning for agricultural use, or b) Involve other changes in the existing environment which, due to their location	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agricultur icts. The site as no agricultur ? here is no exis uses such as c	lards in the C and commer or nighttime are significa ent Model (1 ulture and fat is designated arally produc sting surround rops in all zo	Sity's Municipartic Structure Str	pal Code. in the are area. Intal d by the ild the X M Built-u s occurrin X ural use, o s, therefor
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse I. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing in project? b) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site has within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act control. The sites under Williamson Act contract. The Municipal Code allows for agricultural he proposed plot plan does not conflict with existing zoning for agricultural use, or b) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	e lighting stand ffice buildings sely affect day tural resources a Site Assessme apacts on agricultur icts. The site as no agricultur here is no exis uses such as c or impact sites	lards in the C and comment or nighttime are significa ent Model (1) ulture and fan is designated urally produc sting surround rops in all zo under Williar	City's Munici rcial centers views in the nt environme 997) prepared rmland. Wou as 'Urban a tive activitie ding agricult ning districts mson Act cor	pal Code. in the are area. mtal d by the ild the X M Built-u s occurrin X ural use, o s, therefor mtract. X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse. I. AGRICULTURE RESOURCES: In determining whether impacts to agricult affects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing imporject? (a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distribution the project boundaries. (b) Conflict with existing zoning for agricultural use, or a Williamson Act contract of the site is not currently in agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or interve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?	e lighting stand ffice buildings sely affect day tural resources a Site Assessme apacts on agricultur icts. The site as no agricultur here is no exis uses such as cor impact sites in The proposed p	lards in the C and comment or nighttime are significated ent Model (1) ulture and fant is designated is designated irally product sting surround rops in all zo under William plot plan will	City's Munici rcial centers views in the nt environme 997) prepared rmland. Wou as 'Urban a tive activitie ding agricult ning districts mson Act cor	pal Code. in the are area. mtal d by the ild the X M Built-u s occurrin X ural use, of s, therefor itract. X
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse. <b>I. AGRICULTURE RESOURCES</b> : In determining whether impacts to agricult offects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing improject? (a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- agricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distribution in the project boundaries. (b) Conflict with existing zoning for agricultural use, or a Williamson Act contract (The site is not currently in agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or a Williamson Act contract (The site is not currently in agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or a Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or nature, could result in conversion of Farmland, to non-agricultural use? (b) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? (c) Involve other changes in the existing or proposed agricultural use in the vicinity. The existing environment, which will result in the conversion of farmland to non-agricultural use in the vicinity.	e lighting stand ffice buildings sely affect day tural resources I Site Assessme apacts on agrice icts. The site as no agricultur here is no exis uses such as c or impact sites The proposed p gricultural use.	lards in the C and comment or nighttime are significated are Model (1) ulture and fant ulture and fant is designated arally product sting surround rops in all zo under Williant plot plan will	Sity's Munici,         rcial centers         views in the         nt environme         997) prepare,         rmland. Wou         as 'Urban at         tive activitie         ding agricult         ning districts         nson Act cor         l not involve	pal Code. in the are area. ontal d by the ild the X x and Built-u s occurrin X ural use, of s, therefor ntract. X changes
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adversed. <b>AGRICULTURE RESOURCES</b> : In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing in project? (a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide mportance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non- torigricultural use? The Municipal Code allows for agricultural uses such as crops in all zoning distri- tand', not prime farmland, on the State Important Farmland Map. The site has within the project boundaries. (Conflict with existing zoning for agricultural use, or a Williamson Act contract the site is not currently in agricultural use, or under Williamson Act contract the site is not currently in agricultural use, or under Williamson Act contract. The Municipal Code allows for agricultural use, or inters under Williamson Act contract. The Municipal Code allows for agricultural use, (b) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? There is no immediate surrounding or proposed agricultural use in the vicinity. The existing environment, which will result in the conversion of farmland to non-agricultural II. <b>AIR QUALITY:</b> Where available, the significance criteria established by the term of the significance criteria esta	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice icts. The site as no agricultu ? here is no exis uses such as c or impact sites The proposed p gricultural use. e applicable air	lards in the C and comment or nighttime are significated are Model (1) ulture and fant ulture and fant is designated arally product sting surround rops in all zo under Williant plot plan will	Sity's Munici,         rcial centers         views in the         nt environme         997) prepare,         rmland. Wou         as 'Urban at         tive activitie         ding agricult         ning districts         nson Act cor         l not involve	pal Code. in the are area. ontal d by the ild the X x and Built-u s occurrin X ural use, of s, therefor ntract. X changes
butdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing of and would not create a substantial increase in lighting or glare which would adverse II. AGRICULTURE RESOURCES: In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing in 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? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site has within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract. The site is not currently in agricultural use, or under Williamson Act control. T sites under Williamson Act contract. The Municipal Code allows for agricultural the proposed plot plan does not conflict with existing zoning for agricultural use, or c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? There is no immediate surrounding or proposed agricultural use in the vicinity. the existing environment, which will result in the conversion of farmland to non-agriC II. AIR QUALITY: Where available, the significance criteria established by the control district may be relied upon to make the following determinations. Would to	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice icts. The site as no agricultu ? here is no exis uses such as c or impact sites The proposed p gricultural use. e applicable air	lards in the C and comment or nighttime are significated are Model (1) ulture and fant ulture and fant is designated arally product sting surround rops in all zo under Williant plot plan will	Sity's Munici,         rcial centers         views in the         nt environme         997) prepare,         rmland. Wou         as 'Urban at         tive activitie         ding agricult         ning districts         nson Act cor         l not involve	pal Code. in the area area. intal d by the ild the X M Built-us s occurrin X ural use, of s, therefore itract. X changes t
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o and would not create a substantial increase in lighting or glare which would advers II. <b>AGRICULTURE RESOURCES</b> : In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site ha within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract The site is not currently in agricultural use, or under Williamson Act control. T sites under Williamson Act contract. The Municipal Code allows for agricultural the proposed plot plan does not conflict with existing zoning for agricultural use, or c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? There is no immediate surrounding or proposed agricultural use in the vicinity. T the existing environment, which will result in the conversion of farmland to non-agr III. <b>AIR QUALITY:</b> Where available, the significance criteria established by the control district may be relied upon to make the following determinations. Would ta a) Conflict with or obstruct implementation of the applicable air quality plan?	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice icts. The site as no agricultu ? here is no exis uses such as c or impact sites The proposed p gricultural use. e applicable air	lards in the C and comment or nighttime are significated are Model (1) ulture and fant ulture and fant is designated arally product sting surround rops in all zo under Williant plot plan will	Sity's Municiparticial centers         views in the         nt environme         997) prepare         rmland. Wout         as 'Urban at         tive activitie         ding agricult         ming districts         mson Act cor         l not involve         agement or at	pal Code. in the area area. mtal d by the ild the X md Built-u s occurrin X ural use, o s, therefore ntract. X changes t
outdoor lighting. The proposed plot plan will be developed in accordance with the The type of lighting provided would be similar to that associated with existing o and would not create a substantial increase in lighting or glare which would advers II. <b>AGRICULTURE RESOURCES</b> : In determining whether impacts to agricult effects, lead agencies may refer to the California Agricultural Land Evaluation and California Department of Conservation as an optional model to use in assessing im 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? The Municipal Code allows for agricultural uses such as crops in all zoning distr Land', not prime farmland, on the State Important Farmland Map. The site ha within the project boundaries. b) Conflict with existing zoning for agricultural use, or a Williamson Act contract The site is not currently in agricultural use, or under Williamson Act control. T sites under Williamson Act contract. The Municipal Code allows for agricultural the proposed plot plan does not conflict with existing zoning for agricultural use, or c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use? There is no immediate surrounding or proposed agricultural use in the vicinity. T the existing environment, which will result in the conversion of farmland to non-agr III. <b>AIR QUALITY:</b> Where available, the significance criteria established by the control district may be relied upon to make the following determinations. Would to	e lighting stand ffice buildings sely affect day tural resources l Site Assessme apacts on agrice icts. The site as no agricultu ? here is no exis uses such as c or impact sites The proposed p gricultural use. e applicable air	lards in the C and comment or nighttime are significated are Model (1) ulture and fant ulture and fant is designated arally product sting surround rops in all zo under Williant plot plan will	Sity's Munici,         rcial centers         views in the         nt environme         997) prepare,         rmland. Wou         as 'Urban at         tive activitie         ding agricult         ning districts         nson Act cor         l not involve	pal Code. in the are area. intal d by the ild the X M Built-us s occurrin X ural use, of s, therefor intract. X changes the ir pollutio

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	
-----------------------------------	--------------------------------------	--	------------------------------------	-----------	--

(a and b) The Air Quality Management Plan (AQMP) sets forth a comprehensive program that will lead the air basin into compliance with all federal and state air quality standards. The AQMP control measures and related emission reduction estimates are based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with local governments. Accordingly, conformance with the AQMP for development projects is determined by demonstrating compliance with local land use plans and/or population projections.

The project as proposed would not obstruct implementation of the South Coast Air Quality Management Plan. The proposed 52,250 square foot office building falls below the threshold of project size (96,221 square feet for small office buildings) as identified in the SCAQMD Air Quality Handbook, Threshold Levels for Land Uses.

c) Result in a cumulatively considerable net increase of any criteria pollutan	t for	X	
which the project region is non-attainment under an applicable federal or stat	te		
ambient air quality standard (including releasing emissions which exceed			
quantitative thresholds for ozone precursors)?			

CEQA Section 21100 (e) addresses evaluation of cumulative effects allowing the use of approved land use documents in a cumulative impact analysis. CEQA Guidelines Section 15064 (i)(3) further stipulates that for an impact involving a resource that is addressed by an approved plan or mitigation program, the lead agency may determine that a project's incremental contribution is not cumulatively considerable if the project complies with the adopted plan or program. In addressing cumulative effects for air quality, the AQMP is the most appropriate document to use because the AQMP sets forth a comprehensive program that will lead the air basin, including the project area, into compliance with all federal and state air quality standards and utilizes control measures and related emission reduction estimates based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with local governments.

Since the proposed project is in conformance with the AQMP and the project is not significant on an individual basis according to the Daily Thresholds of Potential Significance for Air Quality, SCAQMD Air Quality Handbook, it is appropriate to conclude that the project's incremental contribution to criteria pollutant emissions is not cumulatively considerable.

d) Expose sensitive receptors to substantial pollutant concentrations?

The nearest sensitive receptor is Sunnymead Middle School located approximately 1,000 feet to the south. Considering the direction of the prevailing winds from northwest to southeast, dispersion of the pollutants, and the quantity of pollutants generated, the project will not expose sensitive receptors to substantial pollutant concentrations. Х

х

e) Create objectionable odors affecting a substantial number of people?

The proposed project presents the potential for generation of objectionable odors in the form of diesel exhaust in the immediate vicinity of the site during construction of the project. The nearest sensitive receptor is the Sunnymead Middle School located approximately 1,000 feet to the south. There is an existing single-family residence located approximately 250 to the east on Webster Avenue which is located within the CC zone of the Village Plan (SP 204); however, these emissions would rapidly dissipate and be diluted by the atmosphere downwind of the emission sources. Recognizing the direction of the prevailing winds (northwest to southeast), dispersion and quantity of the pollutants, the project will not subject a substantial number of people to objectionable odors. Air quality pollutants associated with office uses are primarily generated from mobile sources such as cars. No other uses are proposed that would generate substantial concentrations of harmful air pollutants, as well as objectionable odors not typical of a residential area. No significant impacts would occur.

IV. BIOLOGICAL RESOURCES. Would the project: a) Have a substantial adverse effect, either directly or through habitat Х 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?

Issues and Supporting Information Significant Significant Significant Significant Impact With Impact Mitigation	Incorporated		Issues and Supporting Information	_ U	With	_ U	No Impact
--	--------------	--	-----------------------------------	-----	------	-----	-----------

The sector of the interview is 1 - C - C - D - sector of the 10 - C - 10 - O - sector	1 4 . 1		CTT1.	New 24 14 14 1
The project site is comprised of a 5.8 acre portion (north half) of a 10.91 acre site				
intersection of Heacock Street and Webster Avenue. The project site is a vacant r				
rolling topography. The site is at grade with adjacent Heacock Street. No suitabl				
riparian and wetland-associated plant and animal species are present on the project present on the project site. The project site is in an area that the Multiple Species H				
as having the potential for burrowing owl habitat. A Burrowing Owl Habitat Asses				
Carbon Solutions. Based on the results of the field survey of the site, there were no				
were existing ground squirrel burrows and suitable habitat for burrowing owls. No				
on the site. The assessment concluded that per the protocols of the MSHCP a focu				
project construction. The project has been conditioned to conduct a pre-construction				
of grading or site disturbance. This project will not have a substantial adverse effec	-	-	· · · ·	
on any species identified as a candidate, sensitive, or special status species in local				
California Department of Fish and Wildlife or U. S. Fish and Wildlife Service.	or regionar l	, ponere	, or regulat	ions, cy inc
b) Have a substantially adverse effect on any riparian habitat or other sensitive			X	
natural community identified in local or regional plans, policies, regulations or by				
the California Department of Fish and Game or U. S. Wildlife Service?				
A Habitat Assessment for Burrowing Owl was prepared in July 2014 by First Car	bon Solution	s. Based or	the results	of the field
survey of the site, no vernal pools or vernal pool species are present on the project s				
site. The project will not have a substantially adverse effect on any riparian habitat				
local or regional plans, policies, regulations by the California Department of Fish and				
c) Have a substantial adverse effect on federally protected wetlands as defined by				X
Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal				
pool, coastal, etc.) through direct removal, filling, hydrological interruption, or				
other means?				
There are no wetland resources on the site. Therefore, the development of this proje	ct will not ha	ve a substant	tial adverse e	effect on
federally protected wetlands.				
d) Interfere substantially with the movement of any resident or migratory fish or				X
wildlife species or with established native resident migratory wildlife corridors, or				
impede the use of native wildlife nursery sites?				
This site is located within an urbanized area with existing development on all s	sides of the j	project site.	The site is	not in the
immediate vicinity of a migratory wildlife corridor or a wildlife corridor designat				
Plan (MSHCP). None of the sensitive species, including burrowing owl, initially id				
occurring on the site were observed during the site surveys. The proposed project w	ill not directl	y impact sen		s.
e) Conflict with any local policies or ordinances protecting biological resources,			x	
such as a tree preservation policy or ordinance?				
The proposed project will not conflict with any General Plan or local policies per				
The project is consistent with the goals and objectives of the General Plan. The p				
trees with trees with a 4-inch caliper trunk or greater per the City's Municipal Co	de. Develop	ment of the	project will	not conflict
with a tree preservation policy or ordinance.	1	1		
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural			X	
Conservation Community Plan, or other approved local, regional, or state habitat				
conservation plan?				
The project is not within one of the Multiple Species Habitat Conservation Plan (M				
preservation areas. The proposed project will not conflict with the Stephen's Kangar				
MSHCP or any other known local, regional or state habitat conservation plans. The				
mitigation fees. Also, the City participates in the MSHCP, a comprehensive has				
multiple species' needs, including preservation of habitat and native vegetation in V			. This proje	ct will also
be subject to impact fees to support the implementation of the Multiple Species Habi	itat Conserva	tion Plan.		
V. CULTURAL RESOURCES. Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?				X
<ul><li>b) Cause a substantial adverse change in the significance of an archaeological</li></ul>				X
resource pursuant to Section 15064.5?				

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
Based on staff's field reviews of the site in May 2014 there was no evid	ence of any historic	or archaeologi	cal resources	There are

	y historic or	archaeologic	al resources.	There are
no historical resources of significance noted on the project site based on the intensive	e 1987 citywi	ide survey (A	rchaeologica	al Research
Unit, University of California, Riverside). A standard condition of approval will	be placed or	n the project	to cease exc	cavation or
construction activities if archaeological, paleontological, or historical resources unco	vered on the	project site.		
c) Directly or indirectly destroy a unique paleontological resource or site or unique				Х
geologic feature?				
There are no known unique paleontological resources or sites and no unique ge	ologic featur	es on the pi	oject site.	A standard
condition of approval will be placed on the project to cease excavation or construction				
historical resources are uncovered on the project site.		_	_	_
d) Disturb any human remains, including those interred outside of formal				X
cemeteries?				
No known human remains have been identified at the project site. Condition	s of approva	al address th	ne issue of	inadvertent
discoveries. A standard condition of approval will be placed on the project to				
archaeological, paleontological, or historical resources uncovered on the project site.				
VI. GEOLOGY AND SOILS. Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the	risk of loss, i	niury or deat	h involving:	
(i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-			X	
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.				
According to the City's General Plan, the project site is not on, or close to, any know	vn earthquak	e fault Ther	e is no new i	nformation
that would indicate the existence of a fault or fault trace in proximity of the site. A	-			
to faulting at the proposed project site.			k of ground	upture due
(ii) Strong seismic ground shaking?				X
According to the City's General Plan, the project site is not on, or close to, any kno	um corthqual	co foult The	noorost faul	
Jacinto fault system, which is located about 12-miles to the northeast. The San And site. The active Sierra Madre and San Gabriel fault zones lie roughly 35 and 40 mi				
	an manaati	1 +- +1	410 at a f 410 .	a alta Thia
active Elsinore and Newport-Inglewood fault zones lie approximately 20 and 45 mile				
faulting is not considered a significant constraint to development on the site with th	e use of curr	ent building	codes. Grou	nd-shaking
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For	e use of curroundation de	ent building esigns will l	codes. Grou be reviewed	nd-shaking to ensure
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. Fe incorporation of appropriate engineering recommendations to mitigate any such seise	e use of curroundation de	ent building esigns will l	codes. Grou be reviewed	nd-shaking to ensure
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.	e use of curroundation de	ent building esigns will l	codes. Grou be reviewed information	nd-shaking to ensure
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction?	e use of curre oundation de smicity. The	ent building esigns will l ere is no new	codes. Grou be reviewed information X	nd-shaking to ensure that would
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any know	e use of curre oundation de smicity. The	ent building esigns will l rre is no new ke fault. Ho	codes. Grou be reviewed information X owever, grou	nd-shaking to ensure that would nd-shaking
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such sein indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote	e use of curre oundation de smicity. The	ent building esigns will l rre is no new ke fault. Ho	codes. Grou be reviewed information X owever, grou	nd-shaking to ensure that would nd-shaking
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.	e use of curroundation desmicity. The	ent building esigns will l rre is no new ke fault. Ho	codes. Grou be reviewed information X owever, grou	nd-shaking to ensure that would nd-shaking efaction on
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides?	e use of curre oundation de smicity. The own earthqua ntial for seise	ent building esigns will l re is no new ke fault. Ho mic related fa	codes. Grou be reviewed information X owever, grou ailure or liqu	nd-shaking to ensure that would nd-shaking efaction on X
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any kno intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of	e use of curre- oundation de smicity. The own earthqua ntial for seise does include	ent building esigns will 1 re is no new ake fault. Ho mic related fa	codes. Grou be reviewed information X owever, grou ailure or liqu	nd-shaking to ensure that would nd-shaking efaction on X
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any kno intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact	e use of curre- oundation de smicity. The own earthqua ntial for seise does include	ent building esigns will 1 re is no new ake fault. Ho mic related fa	codes. Grou be reviewed information X owever, grou ailure or liqu	nd-shaking to ensure that would nd-shaking efaction on X ich will be
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any know intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides.	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh	nd-shaking to ensure that would nd-shaking efaction on X ich will be X
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the plate.</li> </ul>	e use of curro oundation de smicity. The own earthque ntial for seise does include t from landsl acement of b	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides.	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site.
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact</li> <li>(b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planet potential for less than significant impacts for short</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl acement of b t-term soil en	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the plate.</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl acement of b t-term soil en	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any knows intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil? The development of the site will likely result in the reduction of erosion with the pla During construction, there is the potential for less than significant impacts for shor grading. This will be addressed as part of standard construction, such as watering to raining periods.	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl acement of b t-term soil en	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any knows intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil? The development of the site will likely result in the reduction of erosion with the pla During construction, there is the potential for less than significant impacts for shore grading. This will be addressed as part of standard construction, such as watering to	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl acement of b t-term soil en	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and
faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site. (iii) Seismic-related ground failure, including liquefaction? According to the City's General Plan, the project site is not on, or close to, any knows intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site. (iv) Landslides? This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil? The development of the site will likely result in the reduction of erosion with the pla During construction, there is the potential for less than significant impacts for shor grading. This will be addressed as part of standard construction, such as watering to raining periods.	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl acement of b t-term soil en	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potential site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planet of the site will likely result in the reduction, such as watering to raining periods.</li> <li>(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?</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl accement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any know intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planding. This will be addressed as part of standard construction, such as watering to raining periods.</li> <li>(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,</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise does include t from landsl accement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potential site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planet of the site will likely result in the reduction, such as watering to raining periods.</li> <li>(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?</li> </ul>	e use of curre- oundation de smicity. The own earthque ntial for seise does include t from landsl acement of b t-term soil er o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potential site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the plant puring construction, there is the potential for less than significant impacts for shoring rading. This will be addressed as part of standard construction, such as watering to raining periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. A substable based on current resources.</li> </ul>	e use of curre- oundation de smicity. The own earthque ntial for seise does include t from landsl acement of b t-term soil er o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X
<ul> <li>faulting is not considered a significant constraint to development on the site with the intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seise indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potenthe site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planting periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. Applicant must provide a soils and geologic report to City Public Works Department.</li> </ul>	e use of curre- oundation de smicity. The own earthque ntial for seise does include t from landsl acement of b t-term soil er o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X proval, the
<ul> <li>faulting is not considered a significant constraint to development on the site with the intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seise indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potential is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planaring periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. A applicant must provide a soils and geologic report to City Public Works Department.</li> <li>(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise loes include t from landsl acement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping ninimal exca ging, if requi	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X pproval, the X
<ul> <li>faulting is not considered a significant constraint to development on the site with the intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seise indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potential site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planuing construction, there is the potential for less than significant impacts for short grading. This will be addressed as part of standard construction, such as watering to raining periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. A applicant must provide a soils and geologic report to City Public Works Department.</li> <li>(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise loes include t from landsl acement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi ditions of ap to City Pul	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X pproval, the X
<ul> <li>faulting is not considered a significant constraint to development on the site with th intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seis indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The pote the site is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planting periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. A applicant must provide a soils and geologic report to City Public Works Department.</li> <li>(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise loes include t from landsl acement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi ditions of ap to City Pul	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X oproval, the X oblic Works
<ul> <li>faulting is not considered a significant constraint to development on the site with the intensity could be moderately-high during a 100-year interval earthquake. For incorporation of appropriate engineering recommendations to mitigate any such seise indicate the existence of a fault on the site.</li> <li>(iii) Seismic-related ground failure, including liquefaction?</li> <li>According to the City's General Plan, the project site is not on, or close to, any known intensity could be moderately-high during a 100-year interval earthquake. The potentials is minimal based on the water table and soil conditions at the site.</li> <li>(iv) Landslides?</li> <li>This site is not near or adjacent to the mountainside areas. The site as proposed of landscape and irrigated for erosion control. There is no potentially significant impact (b) Result in substantial soil erosion or the loss of topsoil?</li> <li>The development of the site will likely result in the reduction of erosion with the planuing construction, there is the potential for less than significant impacts for short grading. This will be addressed as part of standard construction, such as watering to raining periods.</li> <li>(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?</li> <li>The geologic unit or soil is not known to be unstable based on current resources. A applicant must provide a soils and geologic report to City Public Works Department.</li> <li>(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?</li> </ul>	e use of curre- oundation de smicity. The own earthqua ntial for seise loes include t from landsl acement of b t-term soil en o reduce dust	ent building esigns will l re is no new ake fault. Ho mic related fa manufacture ides. uildings and rosion from 1 and sandbag	codes. Grou be reviewed information X owever, grou ailure or liqu d slopes, wh landscaping minimal exca ging, if requi ditions of ap to City Pul	nd-shaking to ensure that would nd-shaking efaction on X ich will be X on the site. avation and red, during X pproval, the X

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
		-	•	
disposal of waste water?				
The proposed plot plan will operate on a sewer system that will be reviewed, appr				
Water District requirements. The proposed project will not be introducing septic ta	nks or altern	ative water dis	sposal systen	ns.
VII. GREENHOUSE GAS EMISSIONS. Would this project?		-		
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			X	
Global climate change is caused by greenhouse gas (GHG) emissions throughout	the world. I	Mitigating glo	bal climate	change will
require worldwide solutions. Greenhouse gases are gases emitted from the ear	th's surface	that absorb i	nfrared radia	tion in the
atmosphere. Increases in these gases lead to more absorption of radiation and w	arm the lowe	er atmosphere	, and therefor	ore increase
evaporation rates and temperatures on the Earth's surface. The City of Moreno	Valley has	adopted a Cl	limate Action	n Strategy.
However, at this time, there are no widely accepted thresholds of significance for a	letermining t	he impact of	GHG emissio	ons from an
individual project, or from a cumulative standpoint. As provided for in the CEQA	<b>Guidelines</b>	(Section 150	64.4), it is ne	ecessary for
the lead agency to make a good-faith effort in considering GHG emissions on a				
project, which is consistent with the City's adopted General Circulation Element a				
chosen to rely on a qualitative analysis. The proposed office building is not a proposed office building is				
City's threshold for an office use and did not require the preparation of a traffic stu				
factual data available, it has been determined that this project will not result in ge	nerating gree	nhouse gas e	missions that	t will either
directly or indirectly have a significant impact on the environment.				
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of	•			Х
reducing the emissions of greenhouse gases?				
On October 9, 2012, the Moreno Valley City Council approved an Energy Eff				
Greenhouse Gas Analysis. The proposed project does not conflict with this strategy	y or any othe	r applicable p	lan, policy o	r regulation
adopted for the purpose of reducing the emissions of greenhouse gases.				
VIII. HAZARDS AND HAZARDOUS MATERIALS. Would the project?		-	•	
a) Create a significant hazard to the public or the environment through the routine				X
transport, use or disposal of hazardous materials?				
The proposed project will not involve the routine transport, use or disposal of haza				
the routine transport, use or disposal of hazardous materials, there will be no pot	ential for a s	ignificant haz	ard to the p	ublic or the
environment.		1	1	
b) Create a significant hazard to the public or the environment through reasonably				X
foreseeable upset and accident conditions involving the release of hazardous				
materials into the environment?			<u> </u>	
The proposed project will not involve the routine transport, use or disposal of ha				
create a significant hazard to the public or the environment through the routine tra				
Since the project will not involve the routine transport, use or disposal of haza	irdous mater	ials, there wi	li be no pot	ential for a
significant hazard to the public or the environment.		1	1	v
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials,				X
substances, or waste within one-quarter mile of an existing or proposed school?			1. 04	
Sunnymead Middle School is located approximately 1,000 feet to the south at the n				Eucalyptus
Avenue. The project as designed and conditioned will not emit hazardous emission	is or nancie n	azardous mat	erials.	X
d) Be located on a site which 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?		Question (50)	() 5 The set	<u> </u>
The site was checked against the list of hazardous material sites pursuant to Gove			62.5. The pr	oject is not
<ul><li>located on a list of hazardous materials sites compiled pursuant to Government Code</li><li>e) For a project located within an airport land use plan or, where such a plan has</li></ul>		902.3.	1	X
not been adopted, within two miles of a public airport or public use airport, would				
the project result in a safety hazard for people residing or working in the project				
area? The nearest simplet is the March Air Perserve Page leasted envroyimately 4 miles		wroat The 1	intones to 1	
The nearest airport is the March Air Reserve Base located approximately 4-miles				
approximately 6-miles. The site is not within the crash zones or the noise control Compatible Lise Zone (AICUIZ) study. (Municipal Code Section 9.07.060). The site				
Compatible Use Zone (AICUZ) study. (Municipal Code Section 9.07.060) The si f) For a project within the vicinity of a private airstrip, would the project result in a			anu use pian.	X
safety hazard for people residing or working in the project area?	•			

Issues and	Supporting	g Inforn	nation			Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact

There are no private airstrips within the City of Moreno Valley. The project is not		nity of a priv	vate airstrip.	Therefore,
the project would not result in a safety hazard pertaining to proximity of a private air	strip.			
g) Impair implementation of, or physically interfere with an adopted emergency				Х
response plan or emergency evacuation plan?				
The proposed project would not have any direct effect on an adopted emergency res				
City's emergency plans are also consistent with the General Plan. Since the propose				
provide required circulation and required fire access to allow for ingress of emerge	-	-		Therefore,
the proposed project would not be in conflict in any way with the emergency response	e or emerger	ncy evacuatio	on plans.	
h) Expose people or structures to a significant risk of loss, injury or death				Х
involving wildland fires, including where wildlands are adjacent to urbanized areas				
or where residences are intermixed with wildlands?			_	
The proposed project site is not located within or adjacent to a wildlands areas. The	e project will	not expose	people or str	uctures to a
significant risk of loss, injury or death involving wildland fires.				
IX. HYDROLOGY AND WATER QUALITY. Would the project:				
a) Violate any water quality standards or waste discharge requirements?			X	
Pursuant to the requirements of the Santa Ana Regional Water Quality Control Boa				
Plan (WQMP) is required of certain projects involving discretionary approval. This				
of concern which include nutrients, pesticides, toxic organic compounds, sedime	nts, and patl	nogens (bact	eria and viru	uses). Site
Design and Source Control best management practices (BMP) are used throughout the	ne project. T	reatment BN	IPs will be s	elected and
implemented which are medium to highly effective in treating pollutants of concern				
use of biofiltration facilities throughout the parking lot. Final design and sizing d			<b>•</b>	
submittal of the F-WQMP, per the Special Project Conditions listed above. Th	e Applicant	acknowledg	es that more	e area than
currently shown on the plans may be required to treat site runoff as required by				
presented in the P-WQMP, the City has found that the P-WQMP is in general c				
Management Plan for the Santa Ana Region of Riverside County" dated October 22	2, 2012 and a	approved by	the Santa Ar	a Regional
Water Quality Control Board (Guidance Document).				
Additionally, grading activities would temporarily expose soils to wind and wate sedimentation. The proposed project would comply with all permits and developme and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control Distric water discharge permits impacts would be less than significant	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w ne approval c	vater runoff of the storm
sedimentation. The proposed project would comply with all permits and developme and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control Distric water discharge permits, impacts would be less than significant.	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w the approval c with all applic	vater runoff of the storm
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with</li> </ul>	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w ne approval c	vater runoff of the storm
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a</li> </ul>	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w the approval c with all applic	vater runoff of the storm
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-</li> </ul>	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w the approval c with all applic	vater runoff of the storm
<ul> <li>sedimentation. The proposed project would comply with all permits and development and discharge set forth by the City of Moreno Valley and the Regional Water Quality drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land</li> </ul>	nt guideline y Control Bo	s associated votes associated votes associated votes as a second structure of the second structure of	with urban w the approval c with all applic	vater runoff of the storm
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> </ul>	nt guideline: y Control Bo t, as well as	s associated v pard. With th complying w	with urban with approval c rith all applic X	vater runoff of the storm cable storm
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed projection.</li> </ul>	nt guideline: y Control Bo t, as well as	s associated y pard. With th complying w er supplies a	with urban we ne approval c vith all applic X as opposed	vater runoff of the storm cable storm to utilizing
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project.</li> </ul>	nt guideline: y Control Bo t, as well as ct with wat Although th	s associated y pard. With th complying w er supplies a ne project wo	with urban we be approval of vith all applie X as opposed build cover a	to utilizing majority of
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project, the site with impervious surfaces, the landscaped areas would still provide a means the site with impervious surfaces.</li> </ul>	nt guideline: y Control Bo t, as well as ct with wat Although th	s associated y pard. With th complying w er supplies a ne project wo	with urban we be approval of vith all applie X as opposed build cover a	to utilizing majority of
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> </ul>	nt guideline: y Control Bo t, as well as ct, with wat Although th	s associated y pard. With th complying w er supplies a ne project wo	with urban we ne approval c vith all applie X as opposed ould cover a Impacts we	to utilizing majority of
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including</li> </ul>	nt guideline: y Control Bo t, as well as ct, with wat Although th	s associated y pard. With th complying w er supplies a ne project wo	with urban we be approval of vith all applie X as opposed build cover a	to utilizing majority of
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would</li> </ul>	nt guideline: y Control Bo t, as well as ct, with wat Although th	s associated y pard. With th complying w er supplies a ne project wo	with urban we ne approval c vith all applie X as opposed ould cover a Impacts we	to utilizing majority of
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Quality drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th or groundwa	s associated y bard. With th complying w er supplies a ne project wo tter recharge.	with urban we be approval of vith all applied X as opposed build cover a Impacts we X	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualitid drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th For groundwa	s associated y pard. With th complying w er supplies a he project wo tter recharge.	with urban we be approval of vith all applied X as opposed ould cover a Impacts we X : in the exist	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion or siltation on- or off-site?</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor	s associated y bard. With th complying w er supplies a he project wo atter recharge.	with urban we be approval of rith all applied X as opposed ould cover a Impacts wo X in the exist the project,	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualitid drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion or siltation on- or off-site?</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th For groundwa will not can During cor on control pl	s associated y bard. With th complying w er supplies a ne project wo atter recharge.	with urban we be approval of vith all applied X as opposed ould cover a Impacts wo X e in the exist the project, ired for proje	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and development and discharge set forth by the City of Moreno Valley and the Regional Water Quality drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means a than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion or siltation on- or off-site.</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor on control pl ned and con	s associated y bard. With th complying w er supplies a he project wo ater recharge.	with urban we be approval of vith all applied X as opposed ould cover a Impacts wo X in the exist the project, ired for project	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of preexisting nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion or siltation on- or off-site. potential for some sediments to be discharged within the storm water system. Erosi issuance of grading permits for preventing substantial erosion or siltation on- or off-site.</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor on control pl ned and con	s associated y bard. With th complying w er supplies a he project wo ater recharge.	with urban we be approval of vith all applied X as opposed build cover a Impacts wo X in the exist the project, ired for proje not change t significant.	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualitid drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means f than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion. The project as desig drainage pattern that would result in substantial erosion or siltation on- or off-site.</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor on control pl ned and con	s associated y bard. With th complying w er supplies a he project wo ater recharge.	with urban we be approval of vith all applied X as opposed ould cover a Impacts wo X in the exist the project, ired for project	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualit drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of preexisting nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion. The project as desig drainage pattern that would result in substantial erosion or siltation on- or off-site. In d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially alter the existing drainage pattern of the site or area, including through the alteration of the substantial erosion or siltation on- or off-site. If d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor on control pl ned and con	s associated y bard. With th complying w er supplies a he project wo ater recharge.	with urban we be approval of vith all applied X as opposed build cover a Impacts wo X in the exist the project, ired for proje not change t significant.	to utilizing majority of build be less
<ul> <li>sedimentation. The proposed project would comply with all permits and developmed and discharge set forth by the City of Moreno Valley and the Regional Water Qualitid drainage facilities by the City Engineer and Riverside County Flood Control District water discharge permits, impacts would be less than significant.</li> <li>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?</li> <li>The Eastern Municipal Water District (EMWD) will provide the proposed project. the site with impervious surfaces, the landscaped areas would still provide a means f than significant.</li> <li>c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</li> <li>There is no stream or other streambed or river on the project site, so the project drainage pattern that would result in substantial erosion. The project as desig drainage pattern that would result in substantial erosion or siltation on- or off-site.</li> </ul>	nt guideline: y Control Bo t, as well as ect with wat Although th for groundwa will not can During cor on control pl ned and con	s associated y bard. With th complying w er supplies a he project wo ater recharge.	with urban we be approval of vith all applied X as opposed build cover a Impacts wo X in the exist the project, ired for proje not change t significant.	to utilizing majority of build be less

Issues and Supporting Information       Potentially       Less than       Less Than       No Impact         Impact       With       Impact       Mitigation       Impact       Mitigation
---

There is no stream or other streambed or river on the project site, however, there ar	e surface dra	inage faciliti	es that will b	be removed
through development of the project site. The project as designed and conditioned	will not caus	e a change i	n the existin	ng drainage
pattern that would result in substantial erosion or siltation on- or off-site. Theref	ore, project	implementat	ion would no	ot result in
modifications that could ultimately result in substantial erosion or siltation on- or off	-site. Impacts	would be le	ss than signi	ficant.
e) Create or contribute runoff which would exceed the capacity of existing or			X	
planned stormwater drainage systems or provide substantial additional sources of				
polluted runoff?				
The proposed project is consistent the City's General Plan. All storm drainage impro	ovements wo	uld be devel	oped to the s	tandards of
the City Engineer and the Riverside County Flood Control Agency. Additionally, t				
the City's standard conditions of approval, which includes measures pertaining to s				
noted that the Riverside County Flood Control and Water Conservation District wa	s contacted a	and indicated	l in a letter r	received on
June 9, 2014, that the proposed project is located within the limits of the District's S				
fees have been adopted, which will need to be paid prior to the issuance of permits.	-	U		Ū.
As with any urban project, runoff entering the storm drainage system would c	ontain mino	r amounts o	f pollutants	(including
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg				
Additionally, grading activities would temporarily expose soils to water erosion that				
However, the tract is subject to the permit requirements of the Santa Ana Region				
currently unpaved and exposed, development of the proposed project would lessen the				
project completion. With the approval the storm drainage facilities by the City				
District, incorporating conditions of approval into the project's design, as well				
discharge permits, impacts would be less than significant.	ub compiyi			
f) Otherwise substantially degrade water quality?			x	
The proposed project is consistent with the City's General Plan. All storm drai	nage improv	ements wou		med to the
standards of the City Engineer and the Riverside County Flood Control Agency.				
accordance with the City's standard conditions of approval, which includes meas				
runoff. As with any urban project, runoff entering the storm drainage system would				
Tunon. As with any urban project, funon entering the storm trainage system would		ior amounts		
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg	radation of su	urface and su	b-surface wa	ter quality.
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that	radation of su t would contr	urface and su ribute to dow	b-surface wa	iter quality.
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Region	radation of su t would contr nal Water Qu	riface and su ribute to dow rality Contro	b-surface wa instream sedi l Board. As	ter quality. imentation. s the site is
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the	radation of su t would contrinal Water Qu he existing si	riface and su ribute to dow ality Contro te contribution	b-surface way nstream sedio l Board. Ason to sediment	tter quality. imentation. s the site is nt runoff at
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface way nstream sedio of Board. As on to sediment Flood Contro	tter quality. imentation. s the site is nt runoff at rol District,
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete the project is subject to the permit requirements of the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete the permit requirement of the project's design.	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface way nstream sedio of Board. As on to sediment Flood Contro	tter quality. imentation. s the site is nt runoff at rol District,
pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface was instream sedi- ol Board. As on to sediment Flood Contri- storm water	tter quality. imentation. s the site is nt runoff at rol District,
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface way nstream sedio of Board. As on to sediment Flood Contro	tter quality. imentation. s the site is nt runoff at rol District,
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface was instream sedi- ol Board. As on to sediment Flood Contri- storm water	tter quality. imentation. s the site is nt runoff at rol District,
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface was instream sedi- of Board. As on to sediment Flood Contri- storm water X	tter quality. imentation. s the site is nt runoff at rol District,
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the degr Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive	riface and su ribute to down ality Contro te contributions rside County	b-surface was instream sedi- ol Board. As on to sediment Flood Contri- storm water	tter quality. imentation. s the site is nt runoff at rol District,
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the degi Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al	arface and su ribute to dow uality Contro te contribution rside County 1 applicable	b-surface was instream sedi- of Board. As on to sedimer Flood Contri- storm water X X	tter quality. imentation. s the site is nt runoff at rol District, r discharge
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z	reface and su ribute to dow uality Contro te contribution rside County 1 applicable	b-surface was rnstream sedi- ol Board. As on to sedimen Flood Contri- storm water X X a. The proje	ter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the degr Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engined</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor	b-surface was rnstream sedi- ol Board. As on to sedimen Flood Contri- storm water X X a. The proje m drainage s	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the degr Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z r. Consequer such a magn	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p	b-surface was mstream sedi- ol Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage soroject is out	ter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will not store the store of t</li></ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc	b-surface was mstream sedi- il Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so project is out tures within	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudfle</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains	b-surface was mstream sedi- of Board. As on to sedimer Flood Contri- storm water X X a. The proje m drainage so project is out tures within a would be un	tter quality. imentation. is the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the degr Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains	b-surface was mstream sedi- of Board. As on to sedimer Flood Contri- storm water X X a. The proje m drainage so project is out tures within a would be un	tter quality. imentation. is the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion that However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engined pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains	b-surface was mstream sedi- of Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so project is out tures within s would be un ad conditioned	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engined pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains	b-surface was mstream sedi- of Board. As on to sedimer Flood Contri- storm water X X a. The proje m drainage so project is out tures within a would be un	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managern designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudflet to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hou- bws from loc he project as	reface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains to designed ar	b-surface was mstream sedi- il Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so project is out tures within a would be un a conditioned X	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managerm designed according to the 100-year storm event as designed by the project engineer pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudflet to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? The proposed project site is located within a Federal Emergency Management A</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hou- ows from loc he project as	rface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains a designed ar "X" area.	b-surface was mstream sedi- of Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so oroject is out tures within a would be un a conditioned X The project	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Management designed according to the 100-year storm event as designed by the project engineed pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will n flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? The proposed project site is located within a Federal Emergency Management A designed according to the 100-year storm event as designed by the project engineed</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al ent Agency Z r. Consequer such a magn ot place hou- bws from loc he project as Agency Zone r. Conseque	rface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains a designed ar "X" area. ntly, the stor	b-surface was mstream sedi- of Board. As on to sediment Flood Contri- storm water X X a. The projee m drainage so oroject is out tures within a would be un a conditioned X The projec m drainage so	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not t has been system and
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Management designed according to the 100-year storm event as designed by the project engineed pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will in flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? The proposed project site is located within a Federal Emergency Management A designed according to the 100-year storm event as designed by the project enginee pad location and placement have all been designed to adequately convey flows of</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al eer and Rive ying with al ent Agency Z r. Consequer such a magn ot place hour ows from loc he project as Agency Zone r. Conseque such a magn	rface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struc al mountains designed ar "X" area. ntly, the stor itude. The p	b-surface was mstream sedi- il Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so oroject is out tures within a would be un a conditioned X The project m drainage so oroject is out tures within a conditioned The project m drainage so oroject is out	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not ct has been system and tside of the
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as complete permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Managem designed according to the 100-year storm event as designed by the project engined pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will in flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? The proposed project site is located within a Federal Emergency Management A designed according to the 100-year storm event as designed by the project enginee pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will no</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc he project as Agency Zone r. Conseque such a magn t expose peop	rface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struct al mountains a designed ar "X" area. ntly, the stor itude. The p ple or structure	b-surface was mstream sedi- il Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so oroject is out tures within a would be un a conditioned X The project m drainage so oroject is out tures within a conditioned The project m drainage so oroject is out	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not ct has been system and tside of the
<ul> <li>pesticides, fertilizers and motor oil). This would incrementally contribute to the deg Additionally, grading activities would temporarily expose soils to water erosion tha However, the project is subject to the permit requirements of the Santa Ana Regio currently unpaved and exposed, development of the proposed project would lessen the project completion. With the approval the storm drainage facilities by the City Engine incorporating conditions of approval into the project's design, as well as comple- permits, impacts would be less than significant.</li> <li>g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</li> <li>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</li> <li>(g and h) The proposed project site is located within a Federal Emergency Management designed according to the 100-year storm event as designed by the project engineed pad location and placement have all been designed to adequately convey flows of delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will in flood hazard area. Additionally, due to the position of the proposed project, mudfle to surrounding development. Therefore, impacts would be less than significant. T place structures which would impede or redirect flood flows.</li> <li>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam? The proposed project site is located within a Federal Emergency Management A designed according to the 100-year storm event as designed by the project enginee pad location and placement have all been designed to adequately convey flows of</li> </ul>	radation of su t would contri- nal Water Qu he existing si eer and Rive ying with al eer and Rive ying with al ent Agency Z er. Consequer such a magn ot place hour ows from loc he project as Agency Zone r. Conseque such a magn t expose peop	rface and su ribute to dow uality Contro te contribution rside County 1 applicable Zone "X" are ntly, the stor itude. The p sing or struct al mountains a designed ar "X" area. ntly, the stor itude. The p ple or structure	b-surface was mstream sedi- il Board. As on to sediment Flood Contri- storm water X X a. The proje m drainage so oroject is out tures within a would be un a conditioned X The project m drainage so oroject is out tures within a conditioned The project m drainage so oroject is out	tter quality. imentation. s the site is nt runoff at rol District, r discharge ct has been system and tside of the a 100-year nlikely due ed, will not ct has been system and tside of the

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
The site is not identified in the General Plan as a location subject to seiche, or mud	flow. The r	project is outsid	le of the deli	neated dam

inundation area for Perris Dam at Lake Perris Reservoir. Additionally, due to the plocal mountains would be unlikely due to surrounding development. Therefore, impa				llows from
X. LAND USE AND PLANNING. Would the project:	ets would be	less than sig	inneant.	
a) Physically divide an established community?	[		x	
The project site is surrounded by development with improved street frontage along F	Laggarit Stra	at and is sum		ub stantially
			-	-
urban uses. The area surrounding the proposed project includes a shopping center to				
mix of office, two vacant commercial zoned parcels and single-family residences to				
the Village Plan (SP 204), single-family residential tract homes to the west and a				
Heacock Street and Eucalyptus Avenue is Sunnymead Middle School. The project s				
S) under the jurisdiction of Riverside County prior to City incorporation in 1984. The design of the provided the second se				
designation has been in place for the project site since Moreno Valley established its				
office building is a permitted use in the CC zone. Overall, the proposed Plot Plan for			e building is	compatible
with the City's General Plan and existing land uses and will not divide an established			I	V
b) Conflict with an applicable land use plan, policy or regulation of an agency				X
with jurisdiction over the project (including, but not limited to the general plan,				
specific plan, local coastal program, or zoning ordinance) adopted for the purpose				
of avoiding or mitigating an environmental effect?				
The proposed office building is a permitted use in the CC zone and is consisten				
Commercial General Plan designation for the project site. The proposed project as d				
applicable land use plan, policy or regulation of an agency with jurisdiction over the	project inclu	ding the City	's General P	
c) Conflict with any applicable habitat conservation plan or natural community				Х
conservation plan?				
The project is not located within one of the Multiple Species Habitat Conservation				
habitat preservation areas. The proposed project will not conflict with the Stephen'				
HCP) or MSHCP or any other known local, regional or state habitat conservation p	Dians. I he p	rolect will be	e conditioned	1 to naving
required SKR mitigation fees. Also, the City participates in the MSHCP, a compr	ehensive hal	oitat conserv	ation-plannir	ng program
addressing multiple species' needs, including preservation of habitat and native vege	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program
addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Habitat	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program
addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program This project
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>a) Result in the loss of availability of a known mineral resource that would be of</li> </ul>	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> </ul>	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program This project X
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>b) Result in the loss of availability of a locally-important mineral resource</li> </ul>	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program This project
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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</li> </ul>	ehensive hal tation in Wes	oitat conserv stern Riversio	ation-plannir	ng program This project X
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> </ul>	rehensive hal tation in Wes bitat Conserv	bitat conserv stern Riversia vation Plan.	ation-plannir de County. 7	ng program This project X X
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development</li> </ul>	rehensive hal tation in Wes bitat Conserv	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 y. No activ	ng program This project X X re mines or
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley.</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 ty. No activ e been ident	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmed mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 ty. No activ e been ident	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 ty. No activ e been ident	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmed mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 ty. No activ e been ident	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. 7 ty. No activ e been ident	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmed mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> <li>XII. NOISE. Would the project result in:</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. T ty. No activ e been ident plan as ado	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmed mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> <li>XII. NOISE. Would the project result in:</li> <li>a) Exposure of persons to or generation of noise levels in excess of standards</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral	bitat conserv stern Riversia ration Plan.	ation-plannir de County. T ty. No activ e been ident plan as ado	ng program This project X X ye mines or ified in the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> <li>XII. NOISE. Would the project result in:</li> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of</li> </ul>	ehensive hal tation in Wes bitat Conserv nt occurring No mineral t with a mine	bitat conserv stern Riversia ration Plan. in the vicini deposits hav eral recovery	ation-plannir de County. T ty. No activ e been ident plan as ado	ng program This project X X ve mines or ified in the pted by the
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project:</li> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> <li>XII. NOISE. Would the project result in:</li> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> </ul>	ehensive hal tation in Wes bitat Conserv nt occurring No mineral t with a mine l General P1	bitat conserv stern Riversia ration Plan. in the vicini deposits hav eral recovery an designatio	ation-plannir de County. T ty. No activ e been ident plan as adop X on and will	ng program This project X X ve mines or ified in the pted by the not exceed
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project: <ul> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmer mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul> </li> <li>XII. NOISE. Would the project result in: <ul> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> </ul> </li> <li>The proposed office building is a permitted use in CC zone and the Commercia</li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral t with a mine l General Pl g as designe	bitat conserv stern Riversia ration Plan. in the vicini deposits hav eral recovery an designation d and condit	ation-plannir de County. T ty. No activ e been ident plan as adop X on and will ioned is cons	ng program This project X X X re mines or ified in the pted by the not exceed sistent with
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project: <ul> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional developmed mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul> </li> <li>XII. NOISE. Would the project result in: <ul> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> <li>The proposed office building is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building</li> </ul> </li> </ul>	rehensive hal tation in Wes bitat Conserv nt occurring No mineral t with a mine I General Pl g as designe developmen	bitat conserv stern Riversia ration Plan. in the vicini deposits hav eral recovery an designation d and condit t, including t	ation-plannir de County. T ty. No activ e been ident plan as ado X on and will ioned is cons he construct	ng program This project X X X re mines or ified in the pted by the not exceed sistent with ion of a six
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project: <ul> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul> </li> <li>XII. NOISE. Would the project result in: <ul> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> <li>The proposed office building is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building curve is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building curve is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building curve is a permitted and besign Guidelines for commercial curve is a permitted and besign Guidelines for commercial curve is a permitted use in CC zone curve of the standards and Design Guidelines for commercial curve is a permitted and besign Guidelines for commercial curve is a permitted use in CC zone curve</li></ul></li></ul>	rehensive hal tation in West bitat Conserv nt occurring No mineral t with a mine l General Pl g as designe developmen for the adja	bitat conserv stern Riversia ration Plan. in the vicini deposits hav eral recovery an designation d and condit t, including t cent single-f	ation-plannir de County. T ty. No activ e been ident plan as adop X on and will ioned is cons the construct amily reside	ng program This project X X X re mines or ified in the pted by the not exceed sistent with ion of a six nces. It is
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hat XI. MINERAL RESOURCES. Would the project: <ul> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul> </li> <li>XII. NOISE. Would the project result in: <ul> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> <li>The proposed office building is a permitted use in CC zone and the Commercial General Plan build out projections for the project site. The proposed office building city Municipal Code development standards and Design Guidelines for commercial foot tall block wall along the western property line to provide sound attenuation</li> </ul> </li> </ul>	rehensive hal tation in West bitat Conserve int occurring No mineral t with a mine l General Pl g as designe development for the adja eneral Plan b	in the vicini deposits hav eral recovery an designation d and condit t, including t cent single-f puild-out, the	ation-plannir de County. T ty. No activ e been ident plan as ado X on and will ioned is cons the construct amily reside refore, noise	A g program This project X X X Tre mines or ified in the pted by the not exceed sistent with ion of a six nces. It is levels will
<ul> <li>addressing multiple species' needs, including preservation of habitat and native vege will also be subject to fees to support the implementation of the Multiple Species Hal XI. MINERAL RESOURCES. Would the project: <ul> <li>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?</li> <li>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?</li> <li>(a and b)The project site is located in an urbanized area with additional development mineral recovery programs are currently active within the City of Moreno Valley. General Plan. Consequently, the development of the project site would not conflic General Plan. No significant impacts would occur.</li> </ul> </li> <li>XII. NOISE. Would the project result in: <ul> <li>a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</li> </ul> </li> <li>The proposed office building is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building is a permitted use in CC zone and the Commercia General Plan build out projections for the project site. The proposed office building city Municipal Code development standards and Design Guidelines for commercial foot tall block wall along the western property line to provide sound attenuation anticipated that project traffic will operate within acceptable Levels of Service at General Commercial foot tall block wall along the western property line to provide sound attenuation anticipated that project traffic will operate within acceptable Levels of Service at General for the project traffic will operate within acceptable Levels of Service at General for the project traffic will operate within acceptable Levels of Service at General for the project tr</li></ul>	rehensive hal tation in West bitat Conserve int occurring No mineral t with a mine l General Pl g as designe development for the adja eneral Plan b	in the vicini deposits hav eral recovery an designation d and condit t, including t cent single-f puild-out, the	ation-plannir de County. T ty. No activ e been ident plan as ado X on and will ioned is cons the construct amily reside refore, noise	A g program This project X X X Tre mines or ified in the pted by the not exceed sistent with ion of a six nces. It is levels will

Sign	npact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
------	-------	--	------------------------------------	-----------

The proposed project has incorporated the City's conditions of approval into the operation activities would be restricted to Monday through Friday from 6:00 AM to				
to 8:00 PM on weekends and holidays, unless otherwise extended or shortend				
Additionally, the project has been conditioned to stage the construction equipme				
possible from the existing homes. As a result, less than significant impacts would oc		ruction trans	er the greate	st distance
<ul><li>c) A substantial permanent increase in ambient noise levels in the project vicinity</li></ul>			X	
above levels existing without the project?			л	
The proposed office building as designed and conditioned is consistent with City Mi	unicinal Code	davalanma	nt standards	and Dagian
Guidelines for commercial development, including the construction of a six foot ta				
provide sound attenuation for the adjacent single-family residences. Permanent no				
use includes, but are not limited to, employee and visitor traffic, people talking.				
However, these noise sources would be typical of the adjacent area and therefore				- 1
sources. Finally, the City's conditions of approval have been incorporated into				
compatibility with regards to noise resulting from the project site. Project traffic is a				
Service at General Plan build-out, therefore, noise levels would be consistent with				
will not exceed the standards set forth in the General Plan. Impacts would be less that				
d) A substantially temporary or periodic increase in ambient noise levels in the		as a result o	X	a projeci.
project vicinity above levels existing without the project?			л	
	nt The new	lost consitized	noocenton is 6	Summered
During construction, there will be limited impact of noise from construction equipmed Middle School located approximately 1 000 feat to the south Existing sincle family				
Middle School located approximately 1,000 feet to the south. Existing single-family along the project's western property line. The Public Works Department has a star				
nuisance aspect of the construction activities. The construction operations including				
restricted to Monday through Friday from 6:00 AM to 8:00 PM, excluding holidays,	•			
holidays, in accordance with City Municipal Code 8.14.040, unless otherwise extended				
Official. Additionally, the project has been conditioned to stage the construction e				
distance possible from the existing homes.	quipinent an			ine greatest
e) For a project located within an airport land use plan, or, where such a plan has				x
not been adopted, within two miles of a public airport or public use airport, would				Λ
the project expose people residing or working in the project area to excessive noise				
levels?				
The project is not located within the area of an adopted airport land use plan.				
f) For a project within the vicinity of a private airstrip, would the project expose				X
people residing or working in the project area to excessive noise levels?				
There is no private airstrip within the vicinity of the site, or within the City of Moren	o Valley.			
XIII. POPULATION AND HOUSING. Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by			Х	
proposing new homes and businesses) or indirectly (for example, through				
extension of roads or other infrastructure)?				
The project site is surrounded by development with improved street frontage along H	leacock Stree	et and is surr	ounded by si	ubstantially
urban uses. The area immediately surrounding the project site has been developed				
parcels across the street. The project will not require the extension of roads or int	roduce new	infrastructur	e. The prop	osed office
building is consistent with current Zoning and General Plan land use designations.				
directly or indirectly.				-
b) Displace substantial numbers of existing housing, necessitating the construction				X
of replacement housing elsewhere?				
c) Displace substantial numbers of people, necessitating the construction of				X
replacement housing elsewhere?				
(b and c) This property is currently vacant, and no housing is currently located ther	e. No housir	ng will be dis	splaced by de	evelopment
of this project. The project will not displace any residents.		C		•
XIV. <b>PUBLIC SERVICES</b> . Would the project result in substantial adverse physi	cal impacts a	ssociated wi	th the provis	ion of new
or physically altered government facilities, need for new or physically altered gover				
cause significant environmental impacts, in order to maintain acceptable service				
objectives for any of the public services:	,		· P	
a) Fire protection?			X	
			-	

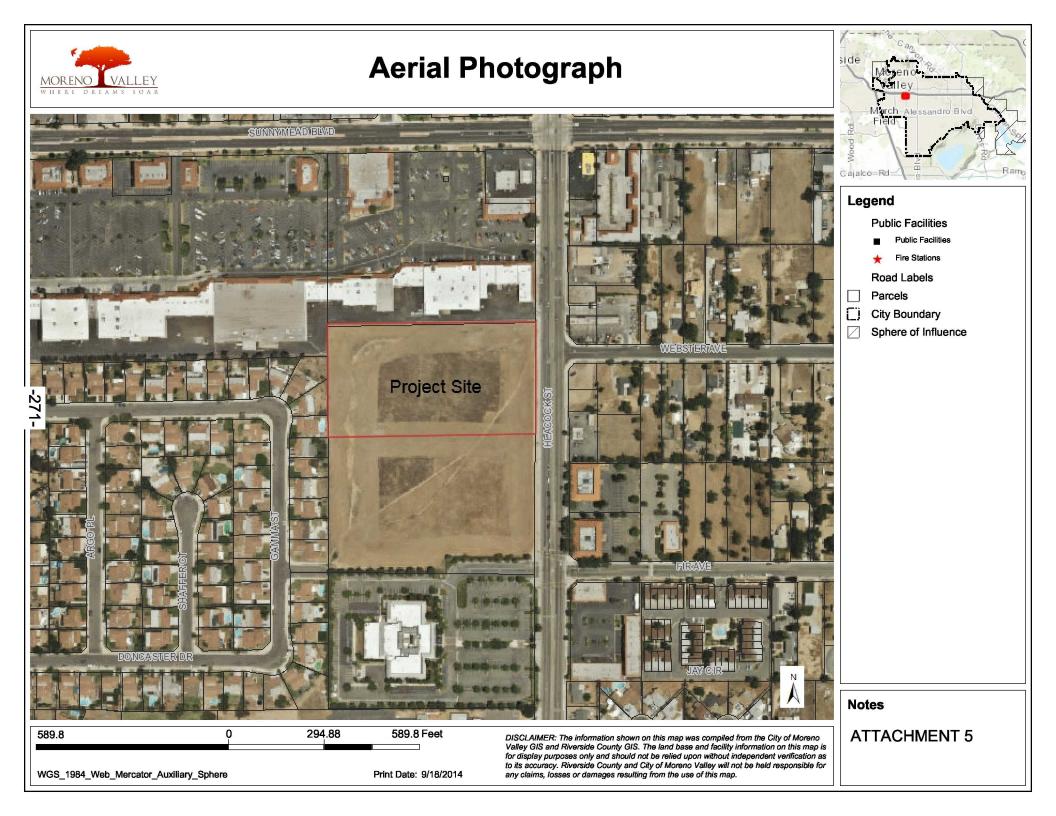
Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact	
-----------------------------------	--------------------------------------	--	------------------------------------	-----------	--

The proposed project has incorporated the City's standard conditions of approval in				
which specifically address concerns regarding the Fire Prevention Bureau. Measure	es such as pr	roviding appr	roved fire hy	drants, fire
flow requirements; mitigation impact fee programs and utilizing fire retardant mater	ials have all	been incorp	orated into th	ne project's
design. ISO ratings are given to firefighting districts in order to rank their operation				
possible score, to a ten (10), the worst possible score. The City of Moreno Valley of	currently has	an ISO ratir	ng of three (3	b), which is
considered high. With the implementation of the conditions of approval of the projection	ect pertaining	g to Fire Ser	vices, impact	s would be
less than significant				
b) Police protection?			Х	
The proposed project conforms to the City's Municipal Code and to the General	l Plan. Poli	ce protection	n to the pro	ject area is
provided through the Moreno Valley Police Department. The Police Department	nt was invol	lved in the	project revie	w process.
Conditions of approval have been included by the Police Department to ensure he	alth and safe	ety is protect	ted during co	onstruction.
Development of the project site would increase the demand on the Police Department				
related to Police Facilities. With payment of impact fees, the construction of the pro-				
over-burden their service ability in continuing to provide high quality police service.	-	-		
c) Schools?				X
d) Parks?				X
(c and d) The project would not directly increase the use of schools or park facilities	. The project	t will pay d	evelopment	impact fees
collected and administered by the Moreno Valley Unified School District.	1 5	1.2	1	1
e) Other public facilities?			X	
There will be an incremental increase in the demand for new or altered public services	vices includi	ng city hall.		d facilities
These facilities would be needed with or without the project. This project will be				
address the impact of the proposed office building.	subject to ut		inpuer iees,	
XV. RECREATION.				
a) Would the project increase the use of existing neighborhood or regional parks				X
or other recreational facilities such that substantial physical deterioration of the				А
facility would occur or be accelerated?				
b) Does the project include recreational facilities or require the construction or				X
expansion of recreational facilities which might have an adverse physical effect on				л
the environment?				
(a and b) As a non-residential use, the proposed office building will not increase the	use of parks	l or other rea	reational fac	ilition The
proposed project does not include recreational amenities or facilities in its design.	use of parks	s of other rec	icational lac	inues. The
XVI. TRANSPORTATION/TRAFFIC. Would the project:				V
a) Conflict with an applicable plan, ordinance or policy establishing measures of				Х
effectiveness for the performance of the circulation system, taking into account all				
modes of transportation including mass transit and non-motorized travel and				
relevant components of the circulation system, including but not limited to				
intersections, streets, highways and freeways, pedestrian and bicycle paths, and				
mass transit?	1.51 1.1			
The proposed office building is a permitted use under the existing Zoning and Gene				
with the General Plan and does not conflict with any City plans, ordinances or polic				
performance of the circulation system. Additionally, the preparation of a traffic s				
proposed office building falls below the City's threshold of 65,000 square feet for	an office use	e (threshold b	based on 100	peak hour
trips).	[			
b) Conflict with an applicable congestion management program, including, but not				Х
limited to level of service standards and travel demand measures, or other				
standards established by the county congestion management agency for designated				
roads or highways?				
The proposed office building is a permitted use under the existing Zoning and Gene				
with the General Plan and General Plan build out projections under the current Circ	culation Eler	nent. As de	signed and c	onditioned,
the project will not individually or cumulatively exceed a level of service standard.		1		
c) Result in a change in air traffic patterns, including either an increase in traffic				Х
levels or a change in location that results in substantial safety risks?				
The project site is not located in, around or under any airport or airport fly-zone.	The propos	sed project v	vould have r	o direct or
indirect effect on air traffic patterns.	l		· · · · · · · · · · · · · · · · · · ·	
d) Substantially increase hazards to a design feature (e.g., sharp curves or			Х	

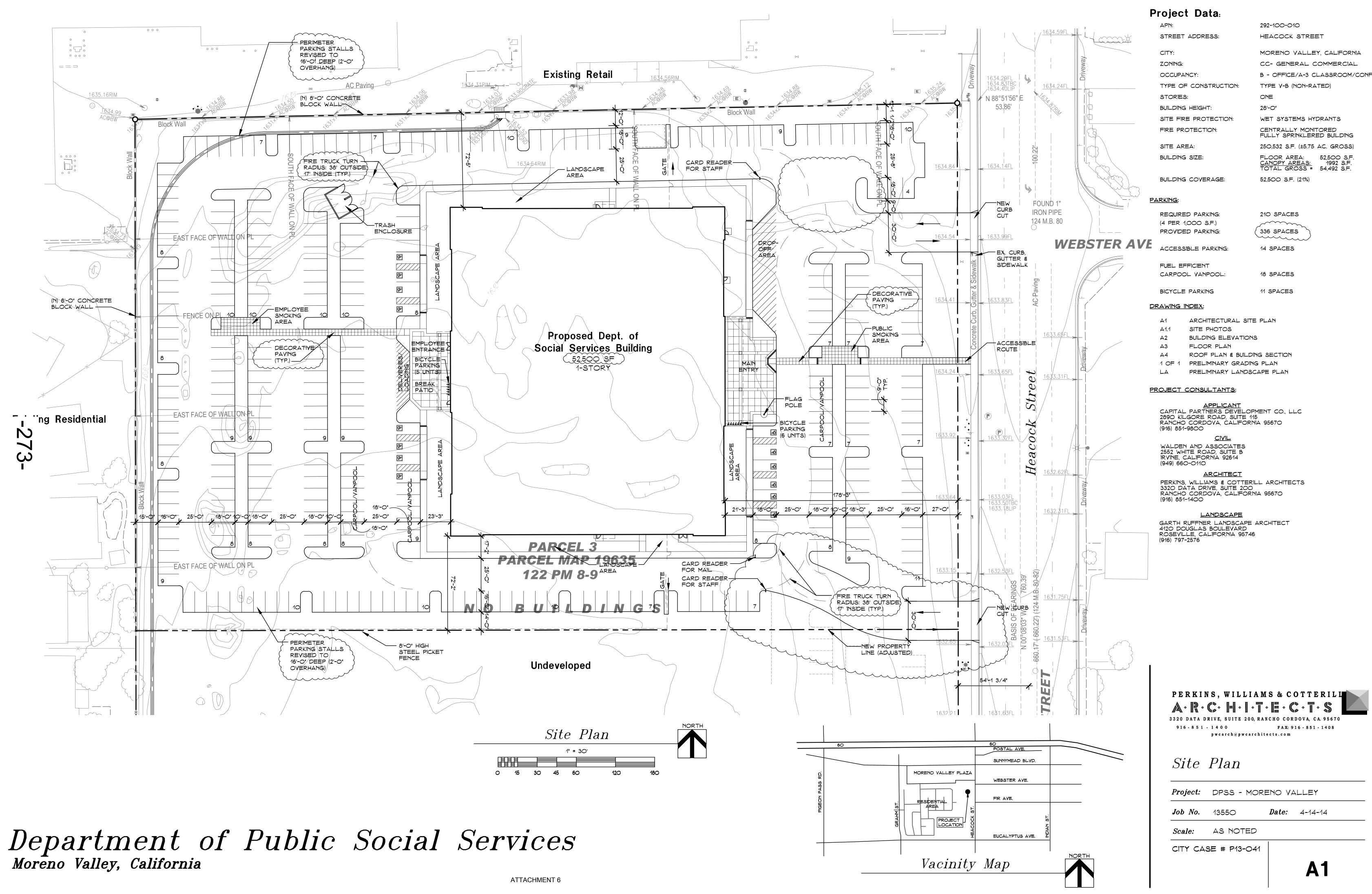
Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
	1		1	1
dangerous intersections) or incompatible uses (e.g. farm equipment)?			<b>T</b> 1 4 4 *	
The project has been conditioned by Public Works to complete full-width street im will include but not be limited to, pavement, curb, gutter, sidewalk, streetlights, s utilities. As designed, the project will not result in hazards, but will help decreas not adjacent to any potential incompatible uses.	storm drain,	signing and st	triping, and o	dry and wet
e) Result in inadequate emergency access?			X	
As designed and conditioned, all driveways and drive aisles will be built to th Engineer, the Fire Prevention Bureau and the General Plan. This will ensure that construction or with completion of the project. The site will be readily accessible f	no hazardou	s traffic situat		
f) Conflict with adopted policies or programs regarding public transit, bicycle, or				X
pedestrian facilities, or otherwise decrease the performance or safety of such facilities?				
The project as designed and conditioned will not conflict with adopted alterna impacts would occur.	tive transpor	tation policie	s, therefore,	no adverse
XVII. UTILITIES AND SERVICE SYSTEMS. Would the project:		1		37
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?				X
b) Require or result in construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
(a and b) A Prelminary Water Quality Management Plan (PWQMP) which ide pollutants of concern has been approved by the City. The information presented in general conformance with the document, "Water Quality Management Plan for to October 22, 2012 and approved by the Santa Ana Regional Water Quality Control exceed the wastewater treatment requirements of the Regional Water Quality Control (EMWD) is the sanitary district provider for the project. The project will not exceed Water Paelametica Facility.	n the P-WQN the Santa Ar Board (Guida ntrol Board.	IP has been for a Region of I ance Documen The Eastern N	ound by the C Riverside Co nt). This pro Junicipal Wa	City to be in unty" dated ject will not ater District
Water Reclamation Facility.				v
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				X
The Riverside County Flood Control and Water Conservation District (RCFCD) is the proposed project is located within the limits of the District's Sunnymead Are adopted, which will need to be paid prior to the issuance of permits. RCFCD did infrastructure or construction of new storm water drainage facilities.	a Drainage l	Plan and that	drainage fees	s have been
d) Have sufficient water supplies available to serve the project from existing				X
entitlements and resources, or are new or expanded entitlements needed?				
The water purveyor, Eastern Municipal Water District (EMWD), prepared an Urba has or will have sufficient water supplies available to serve urban development w was based on the City's General Plan Land Use Element. The proposed office bu existing Zoning and General Plan land use designations. Therefore, sufficient water	within the Ci ilding is a pe	ty of Moreno ermitted use th	Valley. EN nat is consist	IWD's plan ent with the
e) Result in a determination by the wastewater treatment provider which serves or may serve the project determined that it has adequate capacity to serve the project's				X
projected demand in addition to the provider's existing commitments? The wastewater treatment provider is EMWD. The current wastewater treatment within Moreno Valley that are consistent with the General Plan. EMWD has p Reclamation Facility. Source: Draft EIR for the 2006 General Plan Update.				
f) ) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?				X
Waste Management provides waste hauling service to the City of Moreno Valle Badlands with sufficient permitted capacity to accommodate the project's solid wa General Plan Update.				
g) Comply with federal, state, and local statues and regulations related to solid waste?				X
The City policies require compliance with State and Federal regulations regarding comply with the current policies regarding solid waste.	ing solid wa	ste. This pro	ject will be	required to

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
XVIII MANDATORY FINDINGS OF SIGNIFICANCE				

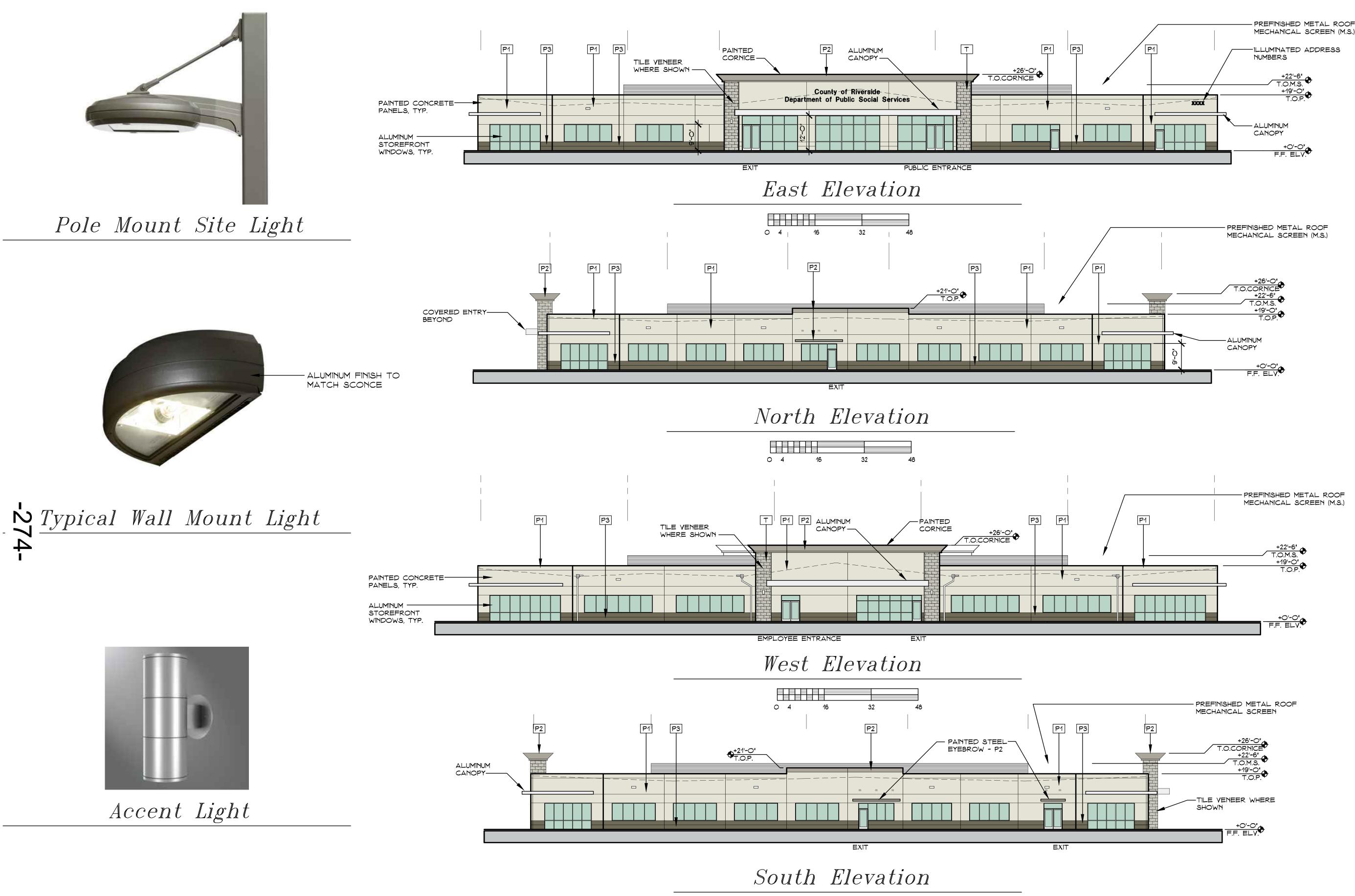
XVIII. MANDATORY FINDINGS OF SIGNIFICANCE.				
a) Does the project have the potential to substantially degrade the quality of the			X	
environment, substantially reduce the habitat of a fish or wildlife species, cause a				
fish or wildlife population to drop below self-sustaining levels, threaten to				
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?				
There are no streambeds or riparian habitat within the project site. There were no su				
project site. The project would not significantly degrade the quality of the environ				
species, cause a fish or wildlife population to drop below self-sustaining levels, thr				
reduce the number or restrict the range of a rare or endangered plant or animal. The				
will be no impact to historic resources. The project will not eliminate important exa				
or prehistory. The analysis in this Initial Study demonstrates that project and cumula			ss than signi	ficant. The
project as designed and conditioned would not cause substantial adverse health effect	ts on human	beings.		r
b) Does the project have impacts that are individually limited, but cumulatively			Х	
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)?				
This project will not create any impacts, that when viewed in connection with exis				
and existing land use designations, would be considered cumulatively considerable				
would result in incremental effects. The analysis in this Initial Study demonstrates	s that the pro	posed proje	ct's cumulat	ive impacts
would be less than significant.			37	
c) Does the project have environmental effects which will cause substantial			Х	
adverse effects on human beings, either directly or indirectly?				
The project consists of a Plot Plan application for the development of a 52,250 squa				
10.91 acre parcel. The project as designed and conditioned will not cause substantia	adverse effe	ects on huma	in beings, eit	ner directly
or indirectly for the reasons described in this checklist/initial study.				



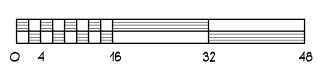
This page intentionally left blank.



Project:	DPSS - MOR	RENO VA	ALLEY
Job No.	13550	Date:	4-14-14
Scale:	AS NOTED		
CITY CA	SE # P13-041		

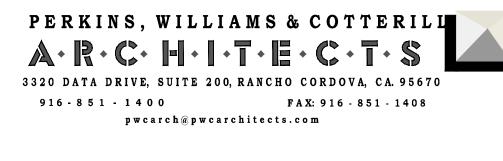


Department of Public Social Services Moreno Valley, California



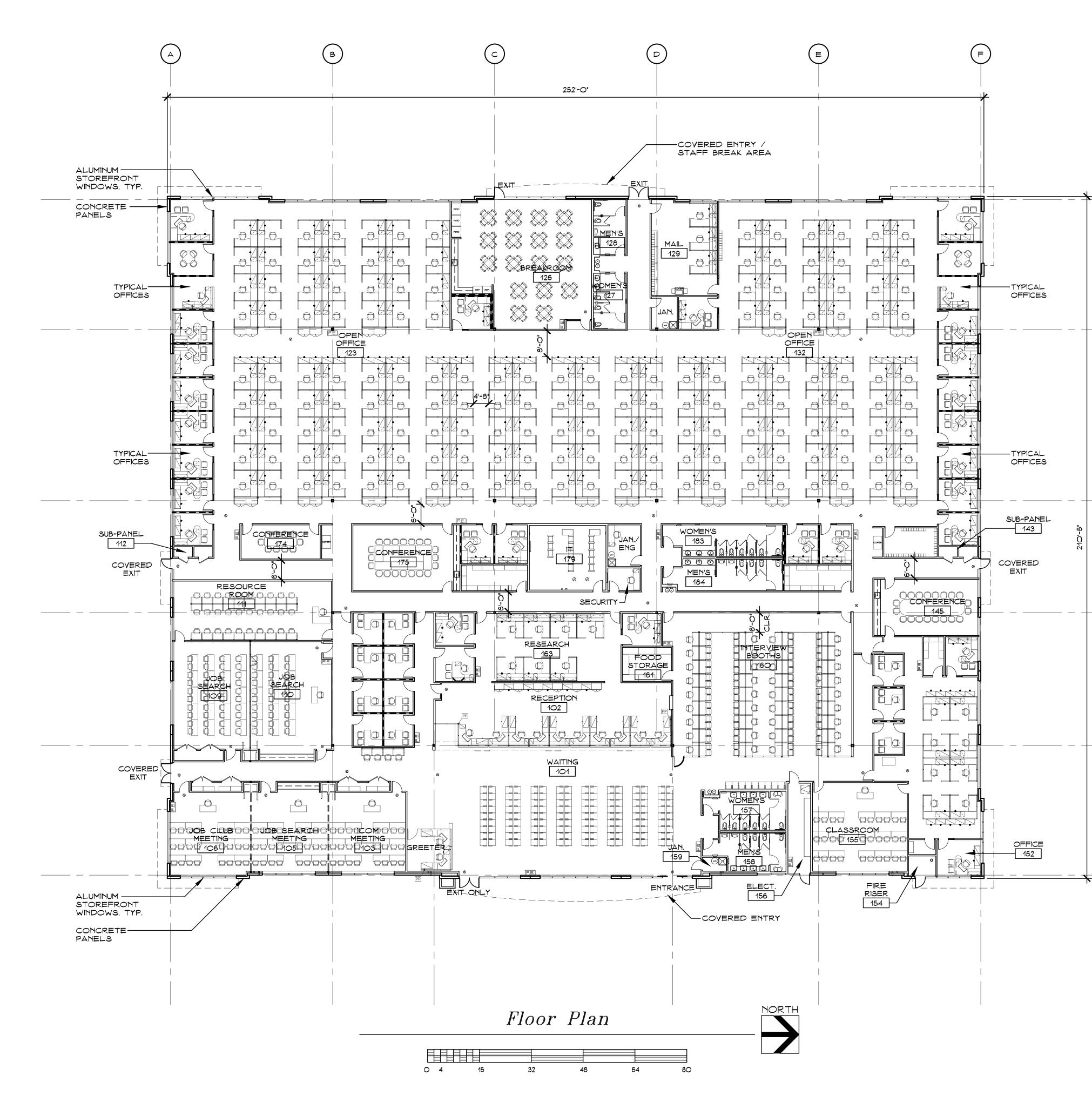
P1 - GLIDDEN #A1837 "SEA GULL GREY"
P2 - GLIDDEN #A1839 "GREY TWEED"
P3 - GLIDDEN #A1840 "GREY SQUIRREL"
T - DALTILE - SANTINO SNO7 "CHIARO"

COLOR SCHEDULE



# Building Elevations

Project:	DPSS - MORENO VALLEY		
Job No.	13550	Date:	3-17-14
Scale:	AS NOTED		
	SE # P13-041		
			A2



Department of Public Social Services Moreno Valley, California

## PERKINS, WILLIAMS & COTTERILL A + R + C + H + I + T + E + C + T + S 3320 DATA DRIVE, SUITE 200, RANCHO CORDOVA, CA. 95670 916 - 851 - 1400 FAX: 916 - 851 - 1408 pwcarch@pwcarchitects.com

# Floor Plan

 $\checkmark$ 

 $\binom{2}{2}$ 

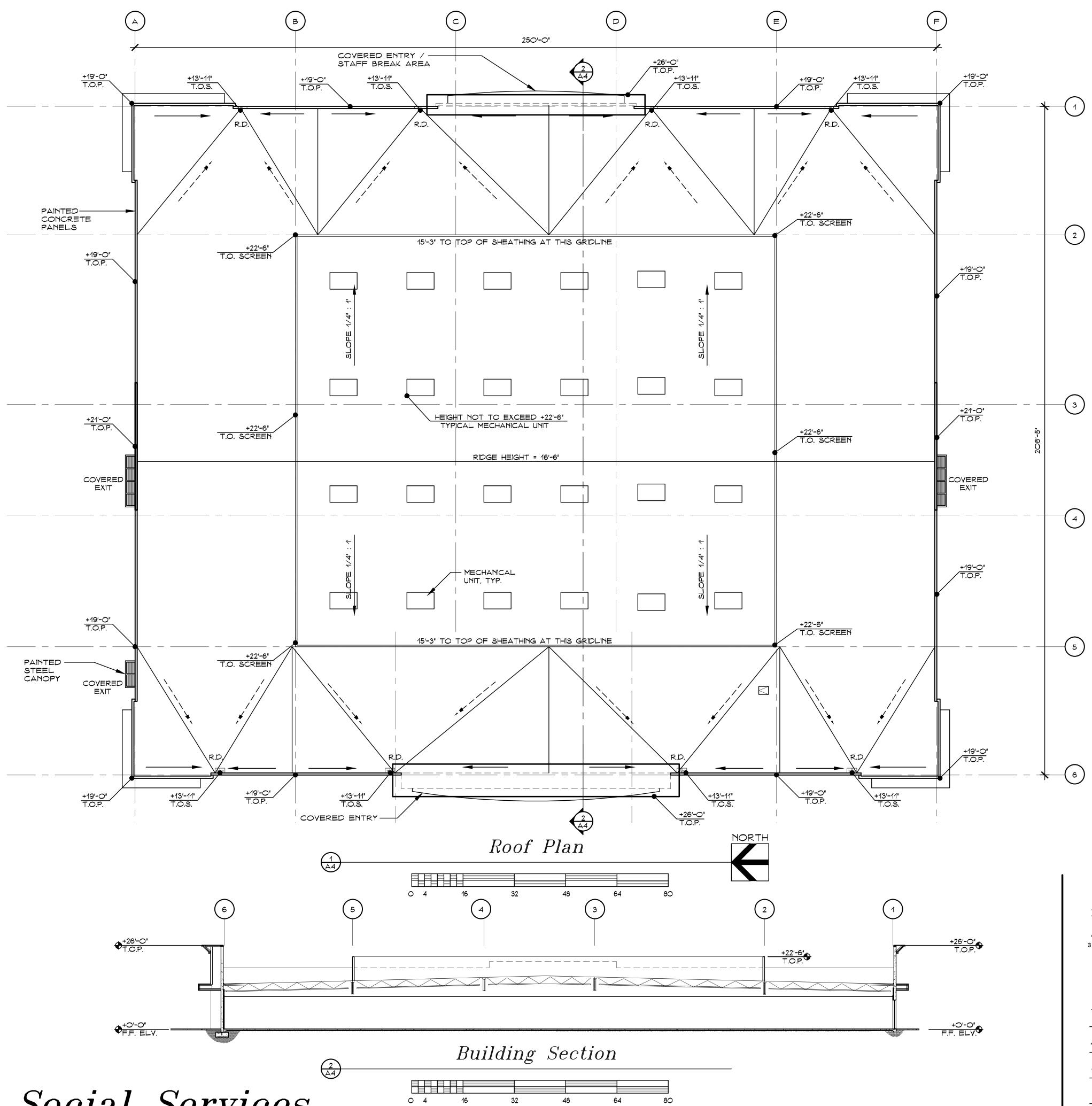
(3)

(4)

-(5)

6

Project:	DPSS - MORENO VALLEY		
Job No.	13550	Date:	3-14-14
Scale:	AS NOTED		
	SE # P13-041		
			<b>A3</b>



N 

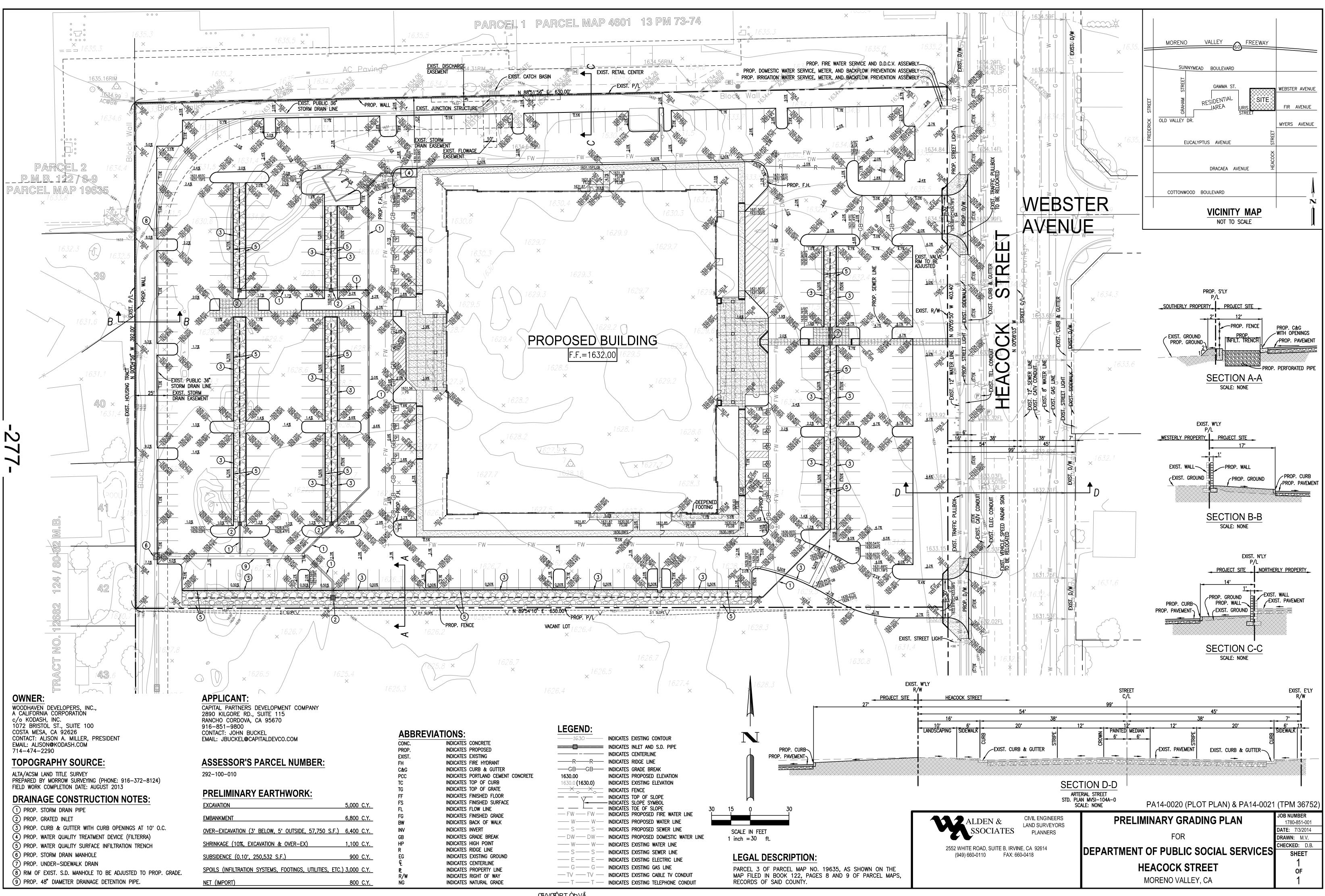
Department of Public Social Services Moreno Valley, California

Y: \Autocad Standards\Tool Palettes\Symbols\Client logos\Cap Partners.png

PERKINS, WILLIAMS & COTTERILL ・R・C・H・I・T・E・C・1 3320 DATA DRIVE, SUITE 200, RANCHO CORDOVA, CA. 9567( 916 - 851 - 1400 FAX: 916 - 851 - 1408 pwcarch@pwcarchitects.com

## Roof Plan

Project:	DPSS - MORENO VALLEY		
Job No.	13550	Date:	3-14-14
Scale:	AS NOTED		
	SE # P13-041		
			<b>A4</b>



ŒUVŒÔPTÒÞVÄ

This page intentionally left blank.



July 7, 2014

Jeffrey Bradshaw **City of Moreno Valley – Planning Department** 101 N. "D" Street Perris, CA 92570 RECEIVED

### RE: Letter of Intent for Proposed DPSS Facility on the west side of Heacock Street, south of Sunnymead

Dear Mr. Bradshaw:

The proposed facility to be built on the northerly 5.8± acres of APN 292-100-010 on the west side of Heacock Street, south of Sunnymead in Moreno Valley will house two services to be provided by the County of Riverside's Department of Public and Social Services (DPSS):

- CalWORKS GAIN (Greater Avenues for Independence) The CalWorks department helps people find jobs as well administers and distributes welfare payments/benefits. According to their website (<u>http://dpss.co.riverside.ca.us/CalWorks.aspx#Top</u>) "this division assists applicants and recipients of Temporary Assistance for Needy Families (TANF) to become self-sufficient. Adults who receive cash assistance and are able to work are registered with GAIN when their aid is approved.
- Nutrition & Health Services administration and distribution of food stamps (<u>http://dpss.co.riverside.ca.us/FoodStamps.aspx</u>) and assistance with Medi-Cal coverage and benefits (<u>http://dpss.co.riverside.ca.us/MediCal.aspx</u>#Top)

These services are currently being provided in the City of Moreno Valley at an existing location at 23119 Cottonwood Avenue, Building C.

Some additional information you may find helpful regarding the proposed facility are:

- Hours of operation: Monday Thursday from 7:30 am 6:00 pm
- Number of Employees: approximately 150 on site at any given time
- **Property ownership:** we (Capital Partners) will own the property and lease it to the County of Riverside on a 10-year lease
- **Parking:** There will be 228 secured parking spaces for employees and a few Countyowned vehicles and 108 unreserved and unassigned for visitors/clients. The required numbers of accessible spaces and 18 'incentive' (fuel efficiency/vanpool, etc.) spaces included in these numbers. Parking for 11 bicycles is also included.
- **Classrooms:** There will be staff training as well as job training programs in the classrooms.

• • • • •

July 7, 2014 Page 2 of 2

If you have any further questions, please contact me at (916) 851-9800.

Respectfully submitted,

## CAPITAL PARTNERS DEVELOPMENT COMPANY

John a. Bunk

John A. Buckel

August 15, 2014

RECEIVED

CITY OF MORENO VALLEY Planning Division

Mr. Jeff Bradshaw, Planner c/o Jurupa, Inc. (Woodhaven Dev., Inc.) 14177 Frederick Street PO Box 88005 Moreno Valley CA 92552-0805

Re: Case: PA14-0021 (Tentative Parcel Map 36752)

To Whom It May Concern:

My home was purchased in 1983 from the Woodhaven Development Inc. Company. I am the original home owner residing directly behind the referenced Parcel Map 36752 being considered for subdivision. The purpose of this letter is to appeal this development. At the time of Woodhaven home sales in early 1980s, the Woodhaven Development Inc. Company sales persons advised prospective home buyers that the property reference on Parcel Map 36752 would become a park. I have been waiting for over 30 years for the park to be developed as originally promised. That was one of the strong selling points and reason that I purchased the Woodhaven Home directly behind this property.

I am strongly appealing any decision to build an office building or any other type of building structure on the referenced Parcel Map 36752 as it was not part of the original Woodhaven Development home buyers agreement. Woodhaven Development should keep it's original agreement to their home buyers and develop the land into a park as originally promised.

Thank you for your consideration in this important land development planning decision.

Sincerely,

mich Joan Myrick

Woodhaven Development Home Owner and Resident 23874 Gamma Street Moreno Valley CA 92553 (951) 656-1263 This page intentionally left blank.

#### CITY OF MORENO VALLEY

#### PLANNING COMMISSION RULES OF PROCEDURE

#### I. RULES OF ORDER, ORGANIZATION AND OFFICERS

#### A. RULES OF ORDER

Except as otherwise provided in these Rules of Procedure, "Roberts Rules of Order, Newly Revised," shall be used as a guide to the conduct of the meetings of the Planning Commission; except as may otherwise be provided by applicable law, no omission to conform to said rules of order shall in any instance be deemed to invalidate any action taken by the Commission.

#### B. ORGANIZATION

The Planning Commission shall consist of seven regular members and shall be organized and exercise such powers as prescribed by Ordinance of the City of Moreno Valley.

- C. OFFICERS
  - 1. SELECTION
    - a. A Chairperson and Vice-Chairperson shall be elected annually from among the Commission's membership at the first meeting in April, to serve at the pleasure of the Commission. No person shall serve more than two consecutive terms as Chairperson or Vice-Chairperson.
    - b. If the Chairperson vacates his or her office before the term of office is completed, a new Chairperson shall be elected at the next regular meeting. A new Vice-Chairperson shall also be elected if the former Vice-Chairperson is elected Chairperson.
    - c. In the absence of the Chairperson and Vice-Chairperson, any other member shall call the Commission to order, whereupon a Chairperson pro tem shall be elected from the members present to preside.

#### 2. **RESPONSIBILITIES**

The responsibilities and powers of the officers and staff of the Planning Commission shall be as follows:

- a. Chairperson
  - 1) Preside at all meetings of the Commission.

Planning Commission Rules of Procedure Page 2

- 2) Call special meetings of the Commission in accordance with legal requirements and the Rules of Procedure.
- 3) Sign documents of the Commission.
- 4) See that all actions of the Commission are properly taken.
- 5) Assist staff in determining agenda items.
- 6) The Chairperson shall be an ex-officio member of all committees with voice but not vote.
- b. Vice-Chairperson

During the absence, disability or disqualification of the Chairperson, the Vice-Chairperson shall exercise or perform all the duties and be subject to all the responsibilities of the Chairperson.

c. The Planning Official with the assistance of his staff, shall be responsible for providing the Commission with proposed minutes of its meetings, with proposed forms of resolutions when appropriate, with staff reports and recommendations on matters of business which come before the Commission, and with proposed forms of recommendations and reports for the Commission.

#### D. POWERS AND DUTIES

The functions, powers and duties of the Planning Commission shall be all those functions, powers and duties of a Planning Commission and Board of Zoning Adjustment as provided in Chapters 3 and 4 of Title 7 commencing with Section 65100 of the Government Code of the State (the Planning and Zoning Law), as the same may be hereafter amended. The Planning Commission shall perform such other duties and functions as may be designated by the City Council.

#### E. ETHICAL PROCESS AND PROCEDURE

1. Whenever after appointment, a Commissioner possesses or is likely to possess a financial interest in a project which is pending or likely to be pending in the foreseeable future before the Commission, it is the duty of the Commissioner to disclose for the record the interest and abstain not only from discussion and voting, but a higher duty to abstain from discussion with any other Commissioner or staff concerning any matters relevant to the project, wherein the Commissioner has a financial interest in the decision.

- 2. It is equally unethical and improper for such Commissioner to recommend to other individuals that they contact other Commissioners or staff with respect to any matter relevant to the project.
- 3. Whenever a Commissioner discovers the existence of a possible conflict of interest and is unsure as to that situation, the Commissioner should consult with the City Attorney or the staff of the FPPC for clarification of his or her position; in the event a financial interest or likely financial interest exists in a project, the record should so disclose and be available for review.
- 4. No Commissioner should continue to serve as a Commissioner if it appears likely that he or she will receive substantial financial gain (obtain a financial interest as defined in the FPPC) from a large number of Planning Commission decisions on projects in a broad area of interest.
- 5. Nothing contained herein shall be construed to relieve a Commissioner of any duty imposed by State law or to change the law and regulations applicable to conflict and disclosure matters.
- 6. With respect to membership by a Commissioner in any other organization which may be incompatible with membership on the Planning Commission, the Commissioner should consider, to the extent recognized by law, any or all of the following, as may be applicable:
  - a. Withdrawal of membership from either the Commission or the said organization.
  - b. Leave of absence from the conflicting organization.
  - c. Inactivity during Commission tenure.
  - d. Being a non-voting participant in the conflicting organization.
  - e. Being a non-office holder in the conflicting organization.
  - f. Being a non-policy making member in the conflicting organization.
  - g. Making no public statements within or about the organization.

#### F. FITNESS TO SERVE; STATEMENT OF PRIOR CONVERSATIONS

- 1. Any Planning Commissioner who wishes to serve the City of Moreno Valley shall adhere to the Goals, Performance Objectives, Duties, Responsibilities, Ethical Process and Procedure, and Public Relations Standards as herein listed.
- 2. Present Commissioners who wish to serve who cannot justifiably adhere to the contents of the guidelines must evaluate their fitness to serve.
- 3. Any Commissioner shall declare prior to voting in the recorded minutes, whether or not they talked or otherwise communicated independently with the developer, with the proponents, or with the opponents or with a representative of the developer, proponents or opponents concerning a project under consideration, and shall disclose the substance of the communication.

#### II. MEETINGS

A. PUBLIC MEETINGS

All meetings shall be held in full compliance with the provision of State law, ordinances of the City, and these Rules of Procedure.

- B. REGULAR MEETINGS
  - 1. Regular meetings shall be held on the second and fourth Thursdays of each month at 7:00 p.m in the Council Chambers at City Hall, 14177 Frederick Street, Moreno Valley, California, unless otherwise determined by the Commission.
  - 2. Whenever a regular meeting falls on a public holiday, no regular meeting shall be held on that day. Such regular meeting shall occur on the next business day, or cancelled by motion adopted by the Planning Commission.
- C. ADJOURNED MEETINGS

In the event it is determined by the Planning Commission to adjourn its meeting to a certain hour on another day, a specific date, time, and place must be set by the Commission prior to the regular motion to adjourn, and the meeting so adjourned.

D. SPECIAL MEETINGS

Special meetings of the Planning Commission may be held at any time upon the call of the Chairperson or by a majority of the voting members of the Commission or upon request of the City Council following at least 48 hours notice to each member of the Commission and to the press, and to each person who has duly requested notice of such meetings. The time and place of the special meeting shall be determined by the convening authority, except that the meeting place shall be within the corporate limits of the City. Only those matters of business described in the call and notice for a special meeting shall be considered by the Commission.

- E. STUDY SESSIONS/WORKSHOPS
  - 1. The Commission may be convened as a whole or as a committee of the whole in the same manner as prescribed for the calling of a special meeting for the purpose of holding a study session provided that no official action shall be taken and no quorum shall be required.
  - 3. All study sessions shall be open to the public; but, unless the Commission invites evidence or comments to be given, participation by interested members of the public shall not take place at such study sessions.
- F. AGENDA
  - 1. An agenda for each meeting of the Commission shall be prepared by the Planning Official or his staff with the cooperation and approval of the Chairperson or in the absence of the Chairperson, by the Vice-Chairperson.
  - a. The Commission cannot guarantee that applicants meeting filing deadlines will be placed on the agenda of the first meeting thereafter.
  - b. A copy of the agenda for each meeting of the Commission shall be posted at the City Hall Offices seventy-two (72) hours prior to each regular meeting and at least twenty-four (24) hours prior to each special meeting of the Commission.

#### G. ORDER OF MEETINGS

- 1. UNLESS THE CHAIRPERSON IN HIS OR HER DISCRETION OTHERWISE DIRECTS, THE ORDER OF BUSINESS SHALL BE AS FOLLOWS:
  - a. The Chairperson shall take the chair precisely at the hour appointed for the meeting and shall immediately call the Commission to order.
  - b. Members present and absent shall be recorded.
  - c. Pledge of Allegiance shall be made.
  - d. The agenda shall be approved as submitted or revised (to the extent permitted by law).
  - e. The minutes of any preceding meeting shall be submitted for approval.

- f. Public comment shall be taken, during which any member of the audience may comment on any matter which is not listed on the agenda. A time limit of three minutes may be imposed on each individual if the Chairperson in his or her discretion so directs.
- g. The public shall be advised of the procedures to be followed in the meeting.
- h. The Commission shall then hear and act upon those proposals scheduled for consideration at public hearing, followed by such other matters of business and reports as the Commission or Planning Official finds to require Commission consideration, and as may be properly considered at that time.
- i. No action shall be taken by the Commission during any regular meeting on any item not appearing on the posted agenda unless any of the following conditions apply:
  - 1) A majority of the Commission determines that an "emergency situation" exists.
  - 2) The Commission determines by a two-thirds vote, or by a unanimous vote if less than twothirds of the members are present, that the "need to take action" on the item arose subsequent to the posting of the agenda, or
  - 3) The item was included in a properly posted agenda for a prior meeting occurring not more than five days prior to the date of the meeting at which the action is taken and was continued to the meeting at which the action is taken.
- j. Adjournment.

#### 2. PRESENTATION OR HEARING OF PROPOSALS

The following shall be the order of procedure for public hearings or other proposals concerning planning and zoning matters, and for testimony, unless the Chairperson in his or her discretion shall otherwise direct.

- a. The Chairperson shall announce the subject of the public hearing or other proposals as advertised.
- b. If a request is made for continuance, a motion may be made and voted upon to continue the public hearing to a definite time, date and place. The Commission may elect to open the hearing and receive evidence prior to acting upon a request or motion to continue the matter.

- c. The staff shall be asked to present the substance of the application, staff report and recommendation, and to answer technical questions from the Commission.
- d. ORDER OF TESTIMONY
  - 1) Applicant's statement.
  - 2) Proponents' statements.
  - 3) Opponents' statements.
  - 4) If desired, a rebuttal from the applicant.
  - 5) The Chairperson may allow further comments from opponents, proponents and applicant as deemed appropriate by the Chairperson.
  - 6) Public Hearing closed.
  - 7) The Commission shall then deliberate and either determine the matter or continue the matter to another date and time certain.
- e. RULES OF TESTIMONY
  - 1) Persons presenting testimony to the Commission are requested to give their name and address for the record.
  - 2) If there are numerous people in the audience who wish to participate on the issue, and it is known that all represent the same opinion, a spokesman should be selected to speak for the entire group, if possible. The spokesman will thus have the opportunity of speaking for a reasonable length of time and of presenting a complete case.
  - To avoid unnecessary cumulative evidence, the Chairperson may limit the number of witnesses or the time of testimony on a particular issue.
  - 4) Irrelevant and off-the-subject comments will be ruled out of order.
  - 5) The Chairperson will not permit personal remarks regarding the staff or individual Commissioners during a Public Hearing. Complaints should be submitted in writing or presented verbally as a separate item on the agenda.

- 6) No person shall address the Commission without first securing the permission of the Chairperson to do so.
- 7) All comments shall be addressed to the Commission. All questions shall be placed through the Chair.

#### H. MOTIONS

- 1. A motion to adjourn shall always be in order except during roll call.
- 2. The Chairperson of the Commission, or other presiding officer, may make and second motions and debate from the Chair subject only to such limitations of debate as are imposed on all members of the Commission. However, since the Chairperson is primarily responsible for the conduct of the meeting, if he or she personally desires to engage in extended debate on questions before the Commission, he or she should consider turning the Chair over to another Commissioner.

#### I. VOTING

#### 1. VOTING REQUIREMENTS

- a. Four members shall constitute a quorum and an affirmative vote of a majority of those Commissioners present and voting (but not less than three votes) shall be required to carry a motion, unless a larger number of votes is required by applicable ordinance or other law.
- b. When a member of the Commission abstains from voting on any matter before it because of a potential conflict of interest, said vote shall not constitute nor be considered as either a vote in favor of or opposition to the matter being considered. When a member of the Commission abstains from voting from voting for any reason other a potential conflict of interest, the abstention shall be counted with the majority.

#### 2. VOTING ORDER

The order of voting will be rotated each meeting except that the Chairperson shall vote last.

3. RECORDING OF VOTES

The minutes of the Commissioner's proceedings shall show the vote of each member, including if they were absent or failed to vote on a matter considered.

#### 4. DISQUALIFICATION FROM VOTING

A member shall disqualify himself or herself from voting in accordance with the applicable Conflict of Interest Code. When a person disqualifies himself or herself, he or she shall disclose the disqualification prior to Commission consideration of the matter, and the disqualified member shall then leave the voting area.

#### 5. RECONSIDERATION

Any Commissioner who voted with the prevailing side may move a reconsideration of any action at the same meeting or the next regular meeting following the meeting where the matter was voted upon. After a motion for reconsideration has been acted upon, no other motion for reconsideration thereof shall be made without unanimous consent of the Commissioners present.

- J. The Chairperson or such other person who may be presiding at meetings of the Commission is responsible for the maintenance of order and decorum at all times. No person should speak who has not first been recognized by the Chair. All questions and remarks should be addressed to the Chair.
- K. Any Commissioner may move to require the Chairperson or person presiding at the meeting to enforce the rules, and the affirmative vote of a majority of the Commissioners present shall require him or her to so act.
- L. Commissioners shall accord the utmost courtesy to each other, to City employees, and to the public appearing before the Commission, and shall refrain at all times from rude and derogatory remarks, negative refections as to integrity, abusive comments, and statements as to motive and personality.
- M. All written materials to be delivered to the Planning Commission concerning its official business shall be delivered to Planning Division staff for distribution. Staff is advised to mail written materials concerning any matter on the agenda to the Planning Commission at least seven days (Thursday of the week before each regular meeting) before the date of the meeting when the matter is to be considered by the Planning Commission. If it is not reasonably possible to mail the material at least seven days before the meeting when the matter is to be considered, the material may be distributed at the meeting.
- N. During Planning Commission meetings, all written materials not already included in the materials which have been mailed to the Planning Commission and which are offered for consideration by the Commission, shall be distributed to the Planning Commission. The Planning Commission shall consider such written materials as reasonably possible at the time of the meeting.
- O. Failure to comply with the strict provisions of these rules shall not necessarily invalidate any action taken by the Commission.

#### III. REVIEW AND AMENDMENTS PROCEDURE

- A. These Rules of Procedure shall be reviewed in July of each year by a subcommittee appointed by the Chair with the general agreement of the Commission. The review subcommittee shall present their recommendation for amending or not amending these rules.
- B. In addition, these Rules of Procedure may be amended at any meeting of the Planning Commission by a majority of the membership (four affirmative votes) of the Commission provided that notice of the proposed amendment is received by each Commissioner not less than five days prior to said meeting.