

Community Workshop #2



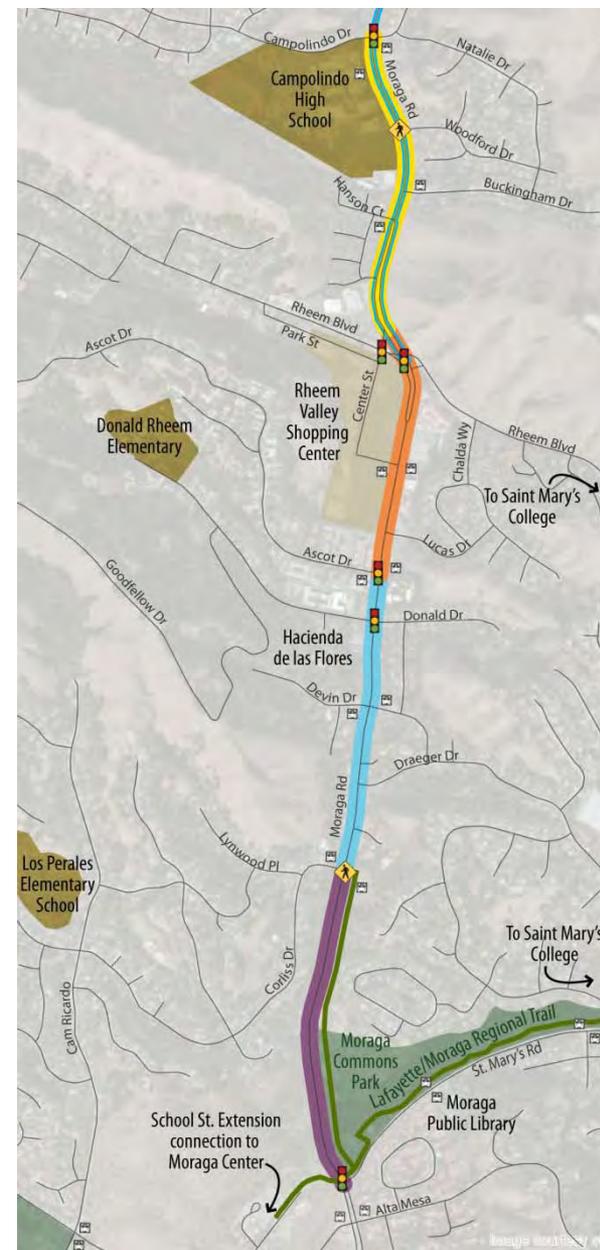
Livable

M o r a g a R o a d

It's all connected.    

www.moraga.ca.us/livablemoragaroad

Project generously supported by a
Transportation for Livable Communities Grant
and Contra Costa County Measure J funds.



What is the Livable Moraga Road Project?

A community-based planning effort, looking at ways to improve the **function**, **character**, and **livability** of Moraga Road.

Agenda

7:00 – 7:30 Presentation

- Project Status Update
- Vision Statement
- Preliminary Corridor Concepts A, B, and C

7:30 – 8:30 Small Group Exercise

8:30 – 8:50 Report Out

8:50 – 9:00 Next Steps



Schedule

2013

Information Gathering and Review

- Site Visits
- Surveys
- Kick-Off Meeting
- Walking Tour
- Stakeholder Meetings
- Workshop 1

2014

Concepts and Alternatives

- Traffic Analysis
- Design Development
- Stakeholder Meeting
- TAC Meetings
- **Workshop 2**

Draft Preferred Concept Designs

- TAC Meeting
- Workshop 3
- Committee Presentations
- Council Presentation

CEQA

Design Plans

- Concept Plans
- Cost Estimates
- Council Presentation

We
are
here

Community Workshop #2
March 19, 2014

Workshop Goals

Step 1: Debut three corridor concepts (A, B, and C)

Step 2: Work in small groups to discuss concepts

Step 3: Express your feedback and preferences

Step 4: Use feedback to formulate preferred concepts

Vision

**What does “Livable Moraga Road”
mean to *you*?**

What's your vision for Moraga Road?

www.moraga.ca.us/71616/moragareed

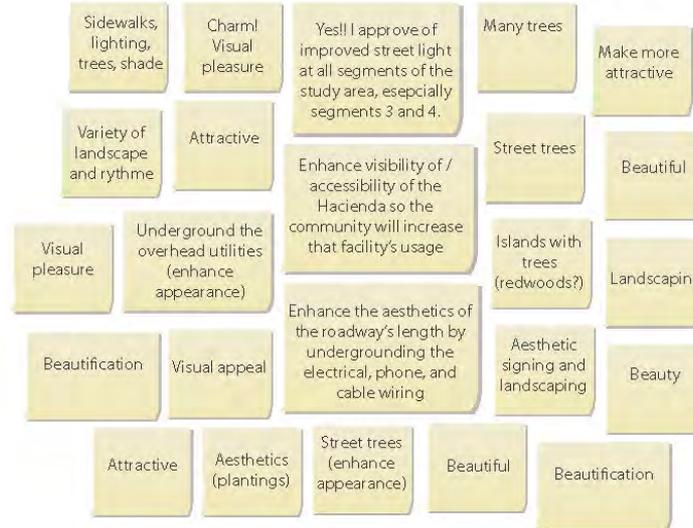
MULTI-MODAL

(bicycle and pedestrian facilities)

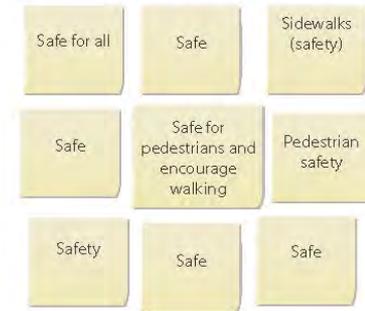


BEAUTIFUL / VISUAL APPEAL

(trees, landscaping, etc.)



SAFETY



ACTIVE / LIVELY



SMOOTH TRAFFIC FLOW



SMALL TOWN FEEL



OTHER



Community Workshop #2
March 19, 2014

flow stop lanes utilization homes smooth walk pleasure multi-modal hacienda appearance variety
 safe pedestrian enhance islands signing appeal
 feel pets cutouts lighting privacy accessibility landscaping road movement separation lights trails diverse routes lively path
 attractive moving charm sidewalks undergrouding free appeal
 easy four roundabout efficient walkable users aesthetics trail use
 beautification bus quiet connecting bicycle access street landscape visual trees utilities rural
 shade small roundabouts travel beautiful active heavily walking visibility underground friendly town country autos
 bucolic used



Community Workshop #2
 March 19, 2014

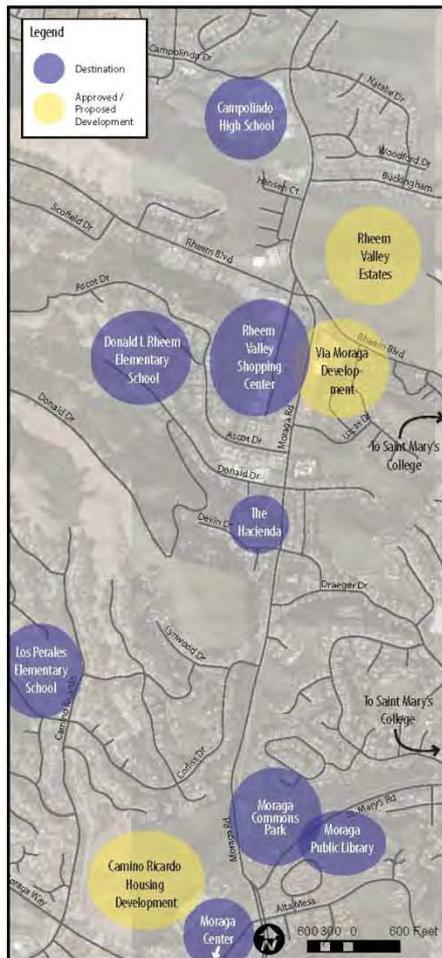
Vision Statement

We envision Moraga Road as a **vibrant, scenic, and safe** corridor that **links places and people**; supports **walking, bicycling, and transit use**; provides **smooth and safe traffic flow**; and celebrates Moraga's **natural and scenic character**.

Guiding Principles

1. **Connect** Moraga Road from end to end and to and from Moraga's neighborhoods, schools, shopping and services
2. **Accommodate transportation for all modes and all abilities:** A "Complete Street" for autos, transit, bikes, pedestrians and wheelchairs
3. **Balance** safety, traffic flow, and cost in design solutions
4. **Create an attractive streetscape** reflecting the unique qualities and character of the street along its different segments
5. **Support investment and revitalization** of shopping districts so that they become more walkable, attractive, and vibrant places

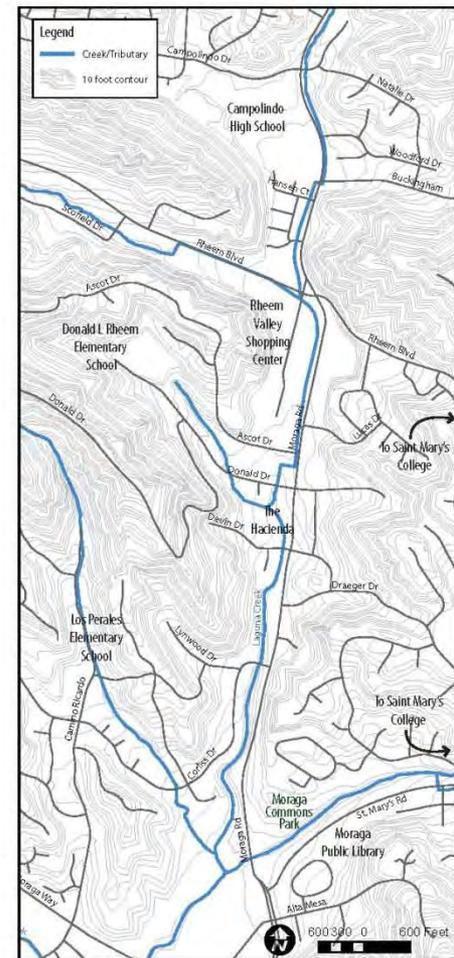
Existing Conditions



Destinations

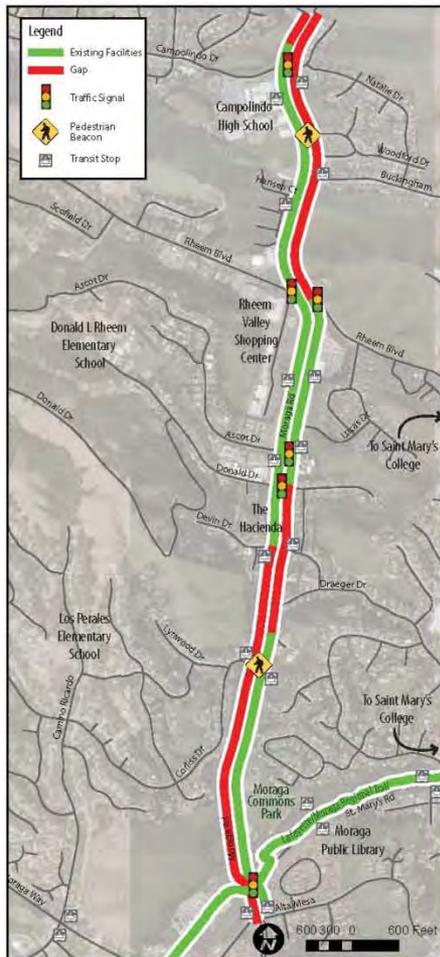


Trail + Bike Facilities

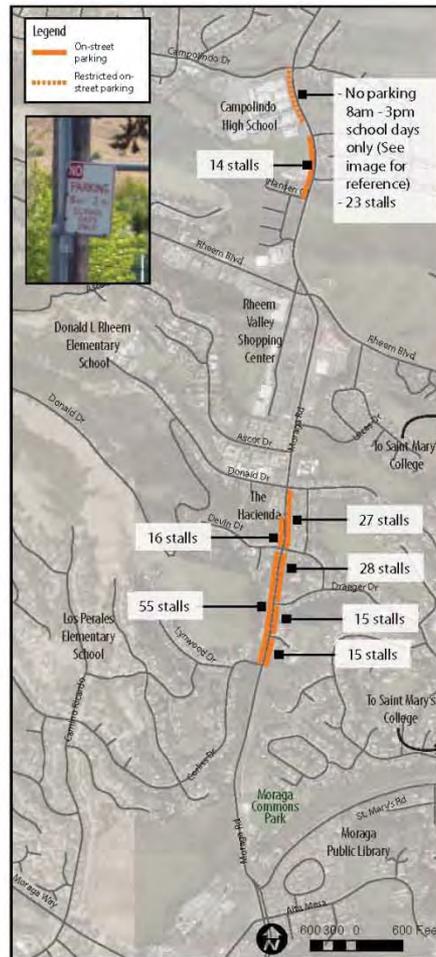


Hydrology + Topography

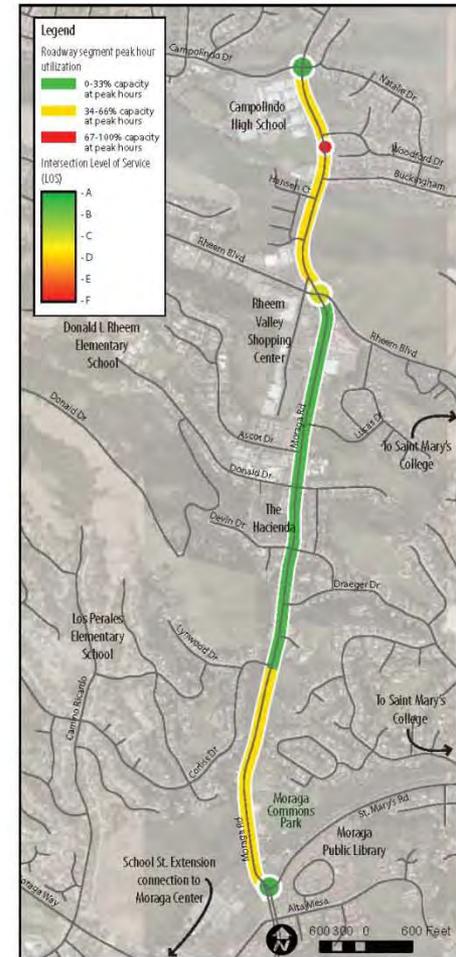
Existing Conditions



Pedestrian Facilities



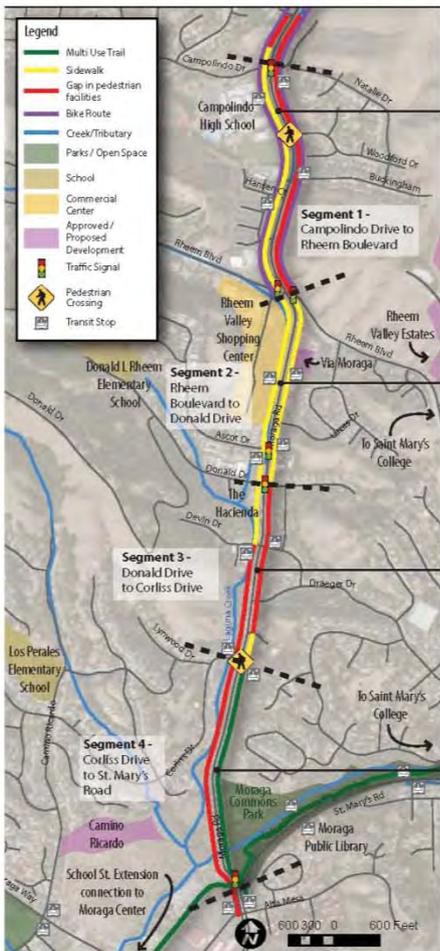
On-street Parking



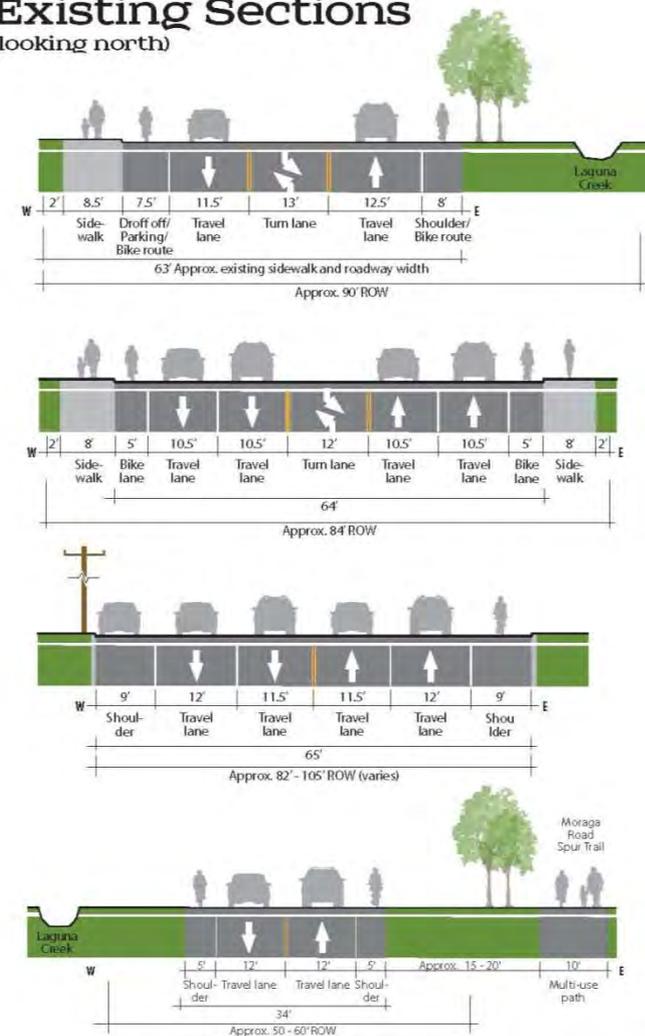
Traffic

Existing Conditions

Study Segments



Existing Sections (looking north)



SEGMENT 1

Two travel lanes, center turn lane, two bike lanes, parking/drop off on west side along school frontage, west side sidewalk

SEGMENT 2

Four travel lanes, center turn lane, two bike lanes, east and west side sidewalks

SEGMENT 3

Four travel lanes, two shoulders used for parking and by bicyclists, intermittent sidewalks

SEGMENT 4

Two travel lanes with shoulders used by bicyclists, Moraga Road Spur Trail on the east side

Community Workshop #2
March 19, 2014

Existing Conditions



Spur trail ends at Corliss Dr.



Narrow and missing sidewalks along the corridor



Some bus stops lack shelter, benches, sidewalk and crosswalk access



Discontinuous bike lanes



Sufficient roadway capacity, observed speeding, pockets of congestion,

Photos



Looking north, approaching Campolindo Drive.



Looking north, approaching Rheem Boulevard.



Pedestrians use the shoulder on the west side of Moraga Road. Photo looking north, approaching Devin Drive.

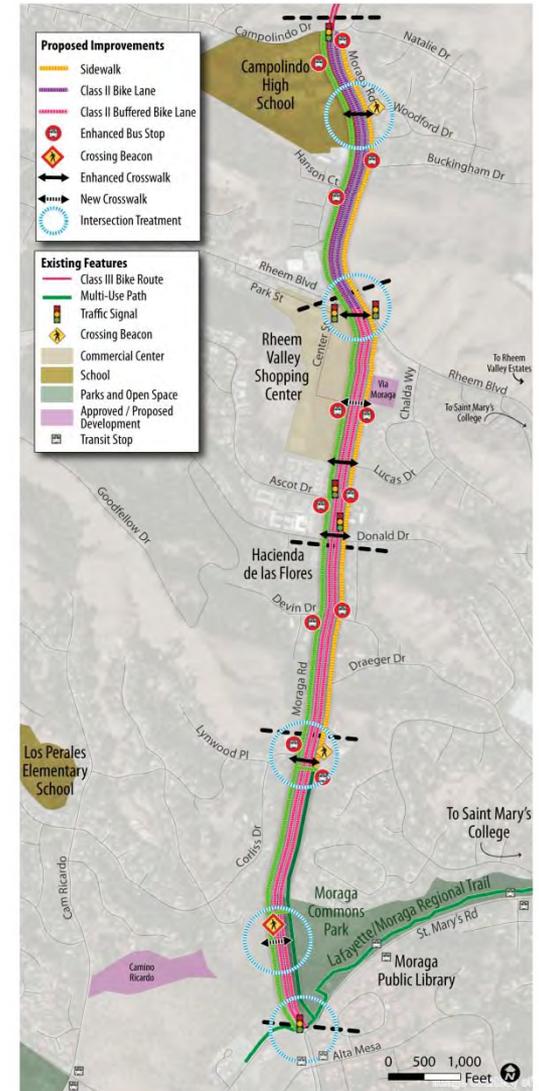
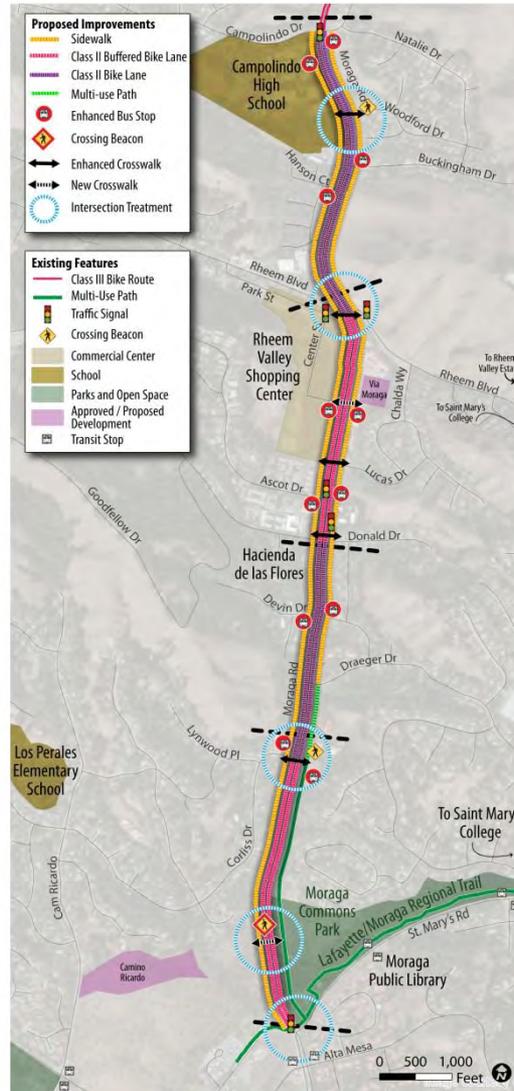
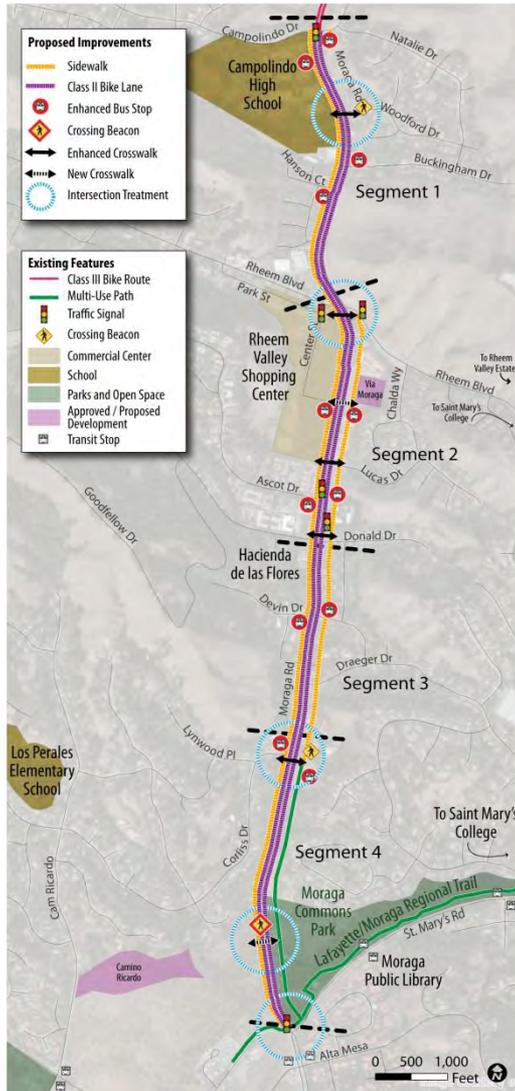


Looking North on Moraga Road, approaching Corliss Drive.

Concept A

Concept B

Concept C



Community Workshop #2
March 19, 2014

Concept A – Modest Improvements



Improve existing spur trail



Close most sidewalk gaps



Enhance existing pedestrian crossings, add 2 new crossings



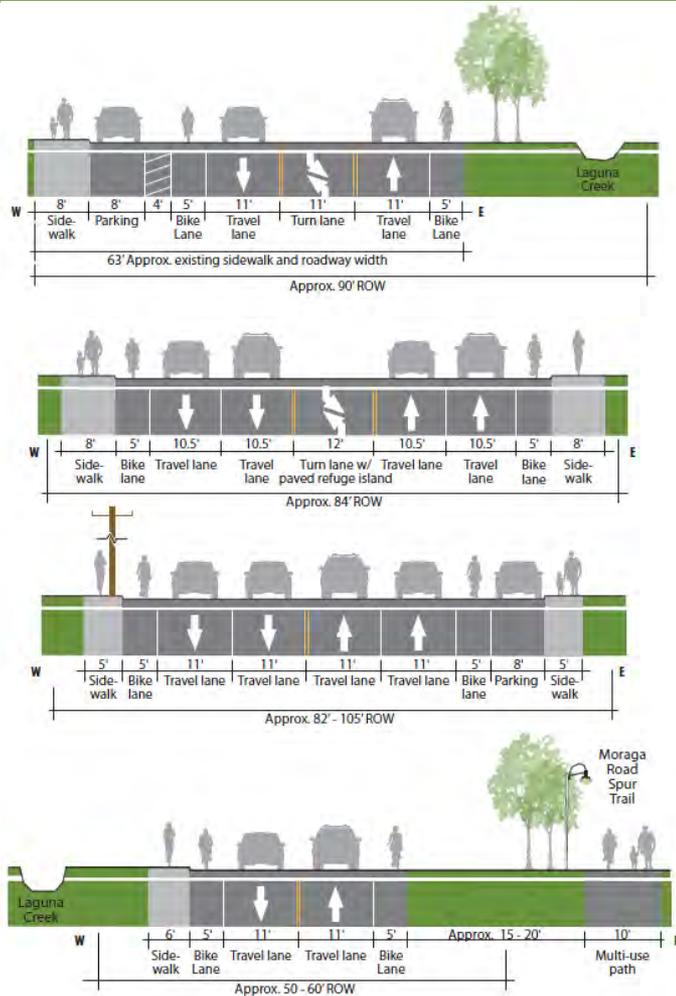
Improve bus stop amenities and signage



Enhance existing bike lanes and stripe new bike lanes



Narrow travel lanes, add medians, intersection improvements



Community Workshop #2
March 19, 2014

Concept B – Enhanced Pedestrian/Bicycle Network



Improve existing spur trail and extend to **Draeger Dr.**



Close all sidewalk gaps



Enhance existing pedestrian crossings, add 2 new crossings



Improve bus stop amenities and signage



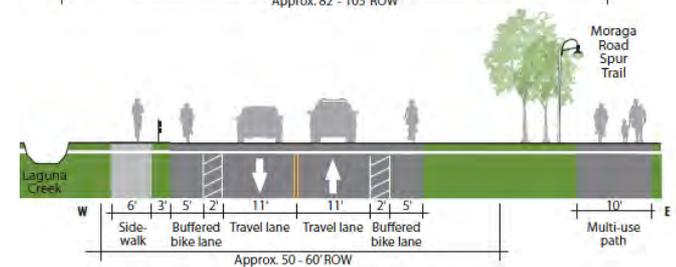
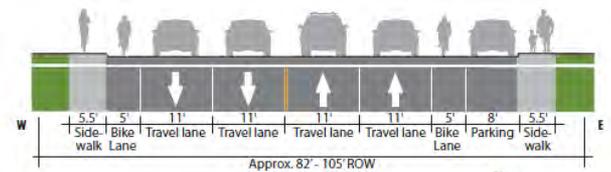
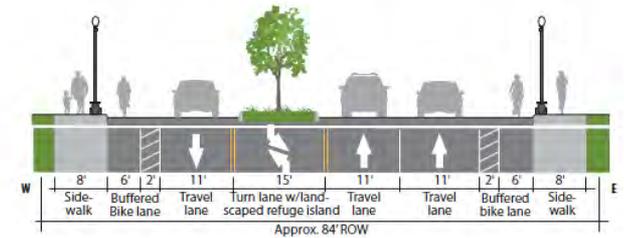
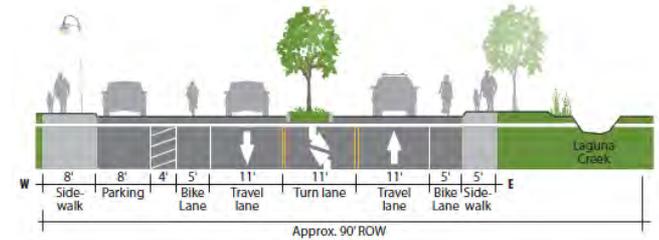
Enhance existing bike lanes and stripe new bike lanes, **stripe buffered bike lanes where ROW allows**



Install **limited lighting**



Narrow travel lanes, add medians, intersection improvements, **reduce number of lanes near Rheem Center**



Community Workshop #2
March 19, 2014

Concept C – Complete Connected Corridor



Construct multi-use trail on west side



Close sidewalk gaps on east side



Enhance existing pedestrian crossings, add 2 new crossings



Improve bus stop amenities and signage



Enhance existing bike lanes, stripe buffered bike lanes where ROW allows



Add bicycle crossings at multi-use trail crossings



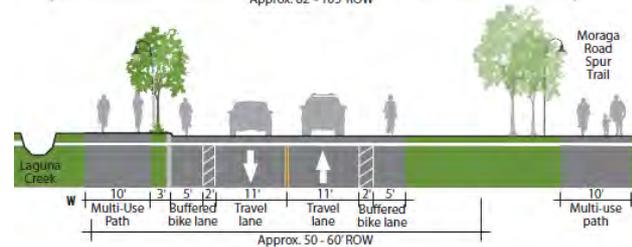
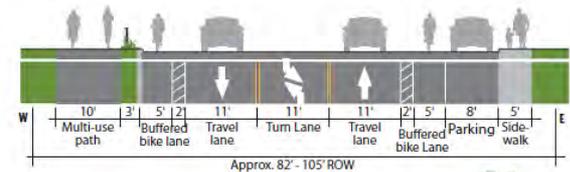
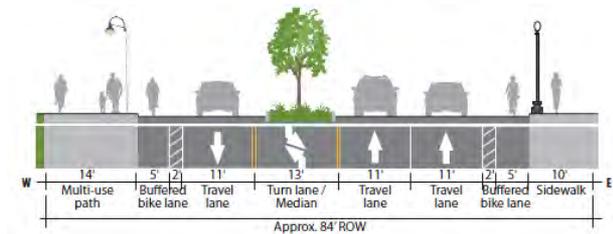
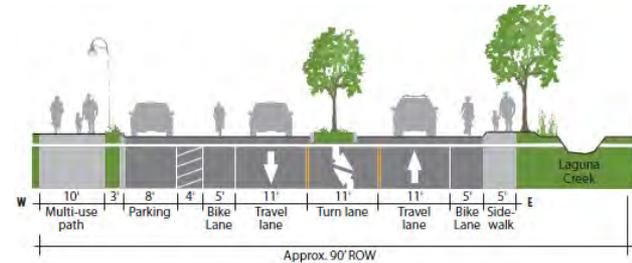
Add landscape medians to center turn lane sections, add sidewalk landscaping



Install sidewalk furnishings and lighting



Narrow travel lanes, intersection improvements, reduce number of lanes near Rheem Shopping Center and the Hacienda, add medians



Community Workshop #2
March 19, 2014

Existing Conditions

Concept A

Modest Improvements

Concept B

Enhanced Bicycle/Pedestrian Network

Concept C

Complete Connected Corridor

Pedestrian

VISION: Safe, Walkable, Accessible, Connections

	Shoulder	Curb	Landscaped									
Separation from Traffic	None	Painted Buffer	Curb Buffer									
Sidewalk Width <i>*Required 5' minimum</i>	0'	5'	8'	10'	0'	5'	8'	10'	0'	5'	8'	10'
Sidewalk Continuity	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps

Bicycle

VISION: Safe, Bike Friendly, Bike/Walk Path

	None	Painted Buffer	Curb Buffer									
Separation from Traffic	None	Painted Buffer	Curb Buffer									
Bikeway Width <i>*Required 4-5ft minimum</i>	0'	5'	10'	0'	5'	10'	0'	5'	10'	0'	5'	10'
Bike Lane Continuity	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps	Large Gaps	Occasional Gaps	No Gaps
Skill Level	Confident Riders	Casual Riders	Newer Riders	Confident Riders	Casual Riders	Newer Riders	Confident Riders	Casual Riders	Newer Riders	Confident Riders	Casual Riders	Newer Riders

Environment

VISION: Street trees, Landscaping, Rural Aesthetics, Resource Sensitive

	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip
New Landscaping and Greening	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip	No change	Medians	Medians and planting strip
Potential Env. Impacts <i>Tree loss, new impervious surfaces, earthworks, encroachment on sensitive resources (e.g., creek and biological)</i>	Highest	Moderate	Lowest									

Traffic

VISION: Smooth traffic flow

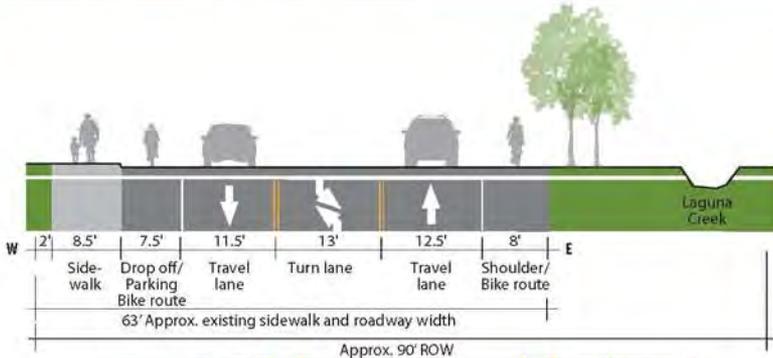
Intersection Level of Service <i>Moraga Rd & Woodford Dr</i>	Two-way stop, offset intersection	Signalize	All-way stop, align intersection	Signalize, align intersection
Intersection Level of Service <i>Moraga Rd and Rheem Blvd</i>	Island with free right turn (RT)	Remove free RT, Add shared RT/sharrow lane	Remove free RT, Add RT lane and bike lane	Roundabout
Intersection Level of Service <i>Moraga Rd & Corliss Dr</i>	Side-street stop-controlled	Signalize	Signalize	Signalize
Intersection Level of Service <i>Moraga Rd & St. Mary's Rd</i>	3-leg intersection, NB/SB bike lanes	4-way Intersection, Add SB U bike lane	4-way intersection, 4-way bike lanes	Roundabout
Segment 2 Level of Service <i>Southbound on Moraga Rd</i>	2 northbound lanes, 2 southbound lanes	2 northbound lanes, 2 southbound lanes	2 northbound lanes, 1 southbound lane	2 northbound lanes, 1 southbound lane
Segment 3 Level of Service	2 northbound lanes, 2 southbound lanes	2 northbound lanes, 2 southbound lanes	2 northbound lanes, 2 southbound lanes	1 northbound lane, 1 southbound lane

Conditions vary | Town of Moraga Level of Service (LOS) Standard

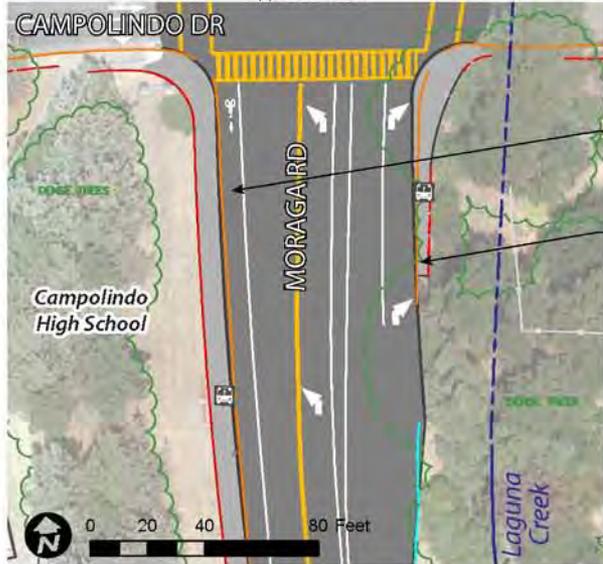
Segment 1: <i>Garopindo Dr. – Rheem Blvd.</i>	Existing Conditions	Concept A	Concept B	Concept C
Sidewalks	• West sidewalk only	<i>No Change</i>	• Add east sidewalk	• Add east sidewalk • Convert west sidewalk to multi-use path
On-Street Bikeways	• Bike route shares roadway space with shoulder and drop-off/parking lane	• Stripe bike lanes separate from the west side drop off/parking aisle	• Stripe bike lanes separate from the west side drop off/parking aisle	• Stripe bike lanes separate from the west side drop off/parking aisle
Traffic Lanes	• One northbound lane	<i>No Change</i>	<i>No Change</i>	<i>No Change</i>
Parking/Shoulder	• Northbound shoulder/bike route • Southbound parking/drop off lane/bike route	• Remove northbound shoulder • Keep southbound parking/drop-off lane	• Remove northbound shoulder • Keep southbound parking/drop-off lane	• Remove northbound shoulder • Keep southbound parking/drop-off lane
Median/Center Turn Lane	• Center turn lane/medians	<i>No Change</i>	• Add median along High School frontage • Keep center turn lane at key locations • Keep existing medians	• Add median along High School frontage • Keep center turn lane at key locations • Keep existing medians
Landscaping/Street Amenities	• Landscaped medians • Benches at High School bus stop	• Enhance bus stops	• Add landscaped median • Add pedestrian lighting on west side • Enhance bus stops	• Add landscaped median • Add pedestrian lighting along path • Add pedestrian lighting on west side • Enhance bus stops
Segment 2: <i>Rheem Blvd. – Donald Dr.</i>	Existing Conditions	Concept A	Concept B	Concept C
Sidewalks	• West sidewalk • East sidewalk	<i>No Change</i>	<i>No Change</i>	• Convert west sidewalk to multi-use path • Widen east side sidewalk
On-Street Bikeways	• Bike lanes	• Improve bike lane signing and pavement markings	• Improve bike lane signing and pavement markings and add striped buffers	• Improve bike lane signing and pavement markings and add striped buffers
Traffic Lanes	• Two northbound lanes • Two southbound lanes	<i>No Change</i>	• Remove one southbound lane	• Remove one southbound lane
Parking/Shoulder	• None	<i>No Change</i>	<i>No Change</i>	<i>No Change</i>
Median/Center Turn Lane	• Center turn lane	• Add paved pedestrian refuge island at new crosswalk	• Add landscaped pedestrian refuge island at new crosswalk	• Add landscaped pedestrian refuge island at new crosswalk • Add median segments
Landscaping/Street Amenities	• Benches and trash receptacles at bus stops, shelter at west side bus stop	• Enhance bus stops	• Add landscaped pedestrian refuge island • Add pedestrian lighting • Enhance bus stops	• Add landscaped pedestrian refuge island and medians • Add pedestrian lighting • Enhance bus stops
Segment 3: <i>Donald Dr. – Corliss Dr.</i>	Existing Conditions	Concept A	Concept B	Concept C
Sidewalks	• Intermittent sidewalks	• Close gaps in sidewalks	• Close gaps in sidewalks • Extend east side trail to Draeger Dr.	• Close gaps in east side sidewalks • Replace west sidewalk with multi-use path
On-Street Bikeways	• None	• Add bike lanes	• Add bike lanes	• Add buffered bike lanes
Traffic Lanes	• Two northbound lanes • Two southbound lanes	<i>No Change</i>	<i>No Change</i>	• Remove one northbound lane • Remove one southbound lane
Parking/Shoulder	• West and east shoulder	• Remove west shoulder • Convert east shoulder to parking	• Remove west shoulder • Convert east shoulder to parking	• Remove west shoulder • Convert east shoulder to parking
Median/Center Turn Lane	• None	<i>No Change</i>	<i>No Change</i>	• Add center turn lane
Landscaping/Street Amenities	• None	<i>No Change</i>	• Underground utilities • Enhance bus stops	• Add pedestrian lighting • Underground utilities • Add planting strip along path • Enhance bus stops
Segment 4: <i>Corliss Dr. – St. Mary's Rd.</i>	Existing Conditions	Concept A	Concept B	Concept C
Sidewalks	• East multi-use path	• Add west sidewalk	• Add west sidewalk	• Add west multi-use path
On-Street Bikeways	• Bicyclists use shoulders	• Add bike lanes	• Add buffered bike lanes	• Add buffered bike lanes
Traffic Lanes	• One northbound lane • One southbound lane	<i>No Change</i>	<i>No Change</i>	<i>No Change</i>
Parking/Shoulder	• West and east shoulder	• Remove shoulders	• Remove shoulders	• Remove shoulders
Median/Center Turn Lane	• None	<i>No Change</i>	<i>No Change</i>	<i>No Change</i>
Landscaping/Street Amenities	• None	• Add pedestrian lighting along spur trail	• Add planting strip along sidewalk • Add pedestrian lighting along spur trail • Enhance bus stops	• Add planting strip along west side path • Add pedestrian lighting along both trails • Enhance bus stops

Existing Conditions - Segment 1

Campolindo High School Frontage



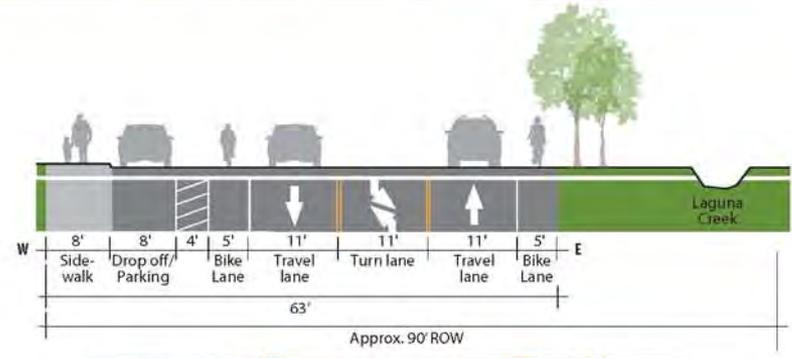
Approx. 90' ROW



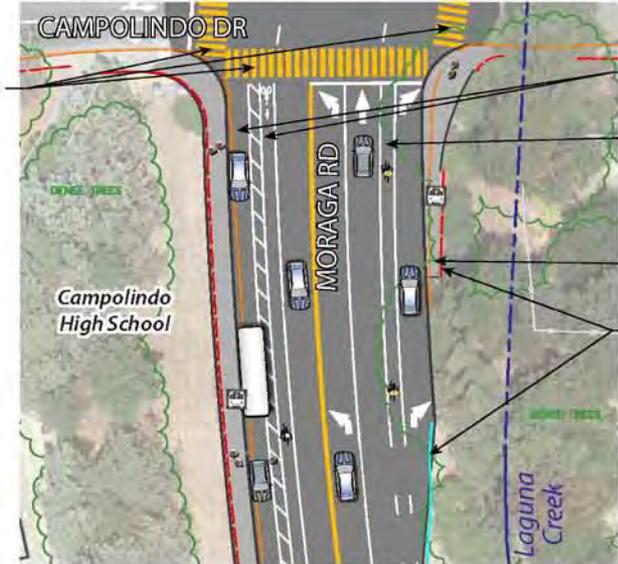
Approx. 90' ROW

Concept A - Segment 1

Campolindo High School Frontage



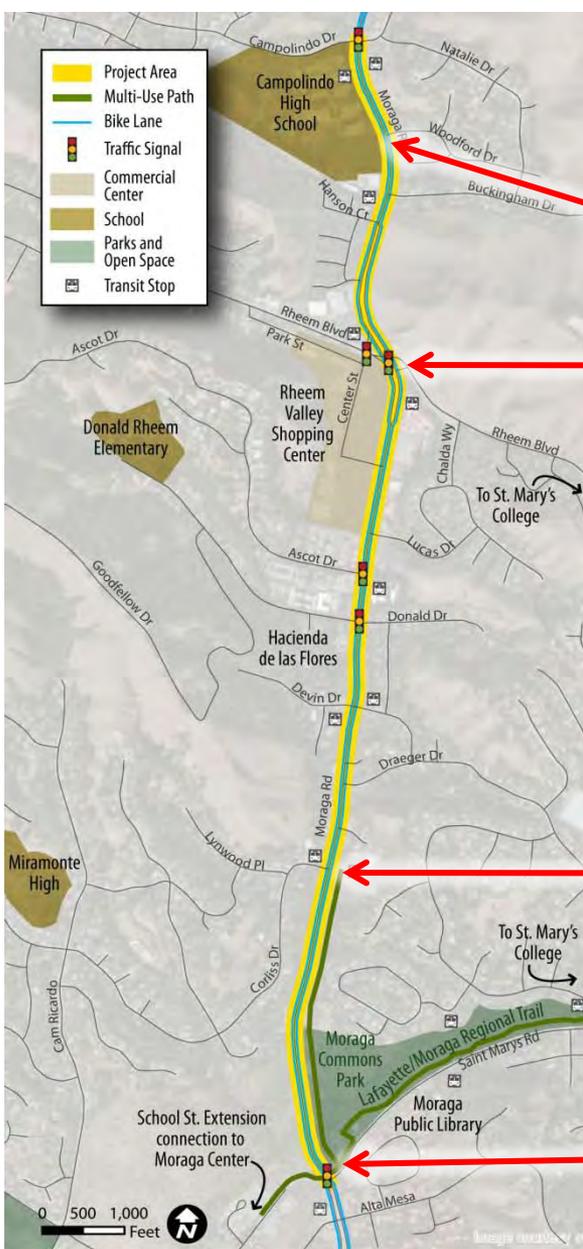
Approx. 90' ROW



Approx. 90' ROW

Community Workshop #2
March 19, 2014

Intersection Concepts



Moraga Road & **Woodford Drive***

Moraga Road & **Rheem Boulevard**

Moraga Road & **Corliss Drive**

Moraga Road & **St. Mary's Road**

Community Workshop #2
March 19, 2014

Small Group Exercise

What do we want to accomplish tonight?

1. Break into 4 **small groups with a facilitator**
2. **Introduce** yourselves
3. Select **group name**
4. Elect **Team Captain** and **Team Recorder**
5. Spend an hour **analyzing concepts**
6. **Select** a preferred concept or hybrid concept
7. **Present** preferred concept or hybrid concept *(8:30pm)*

Next Steps!

1. Draft preferred concept designs based on tonight's feedback
2. Present preferred concept designs at Workshop #3
(*date tbd*)

www.moraga.ca.us/livablemoragaroad



Community Workshop #2
March 19, 2014