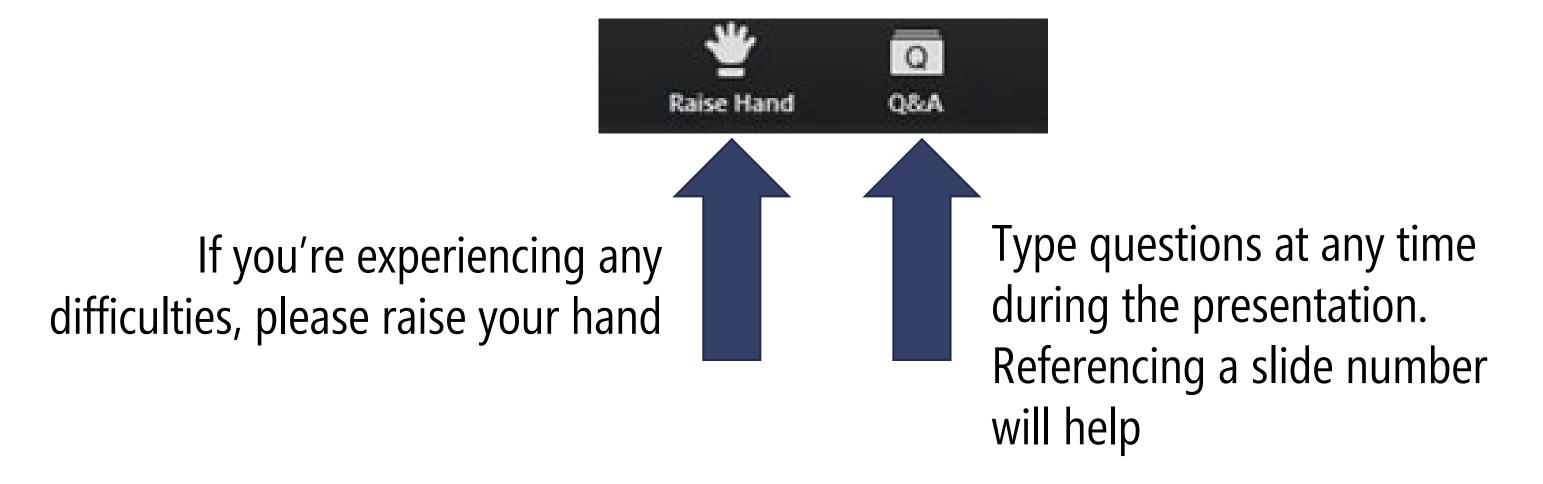


Logistics



Agenda

- Background & Workshop 1 Summary
- Toolbox: Considerations for Corridor Improvements
- Corridor Themes
- Project Implementation
- Q&A
- Online Activity

Introduction: Workshop Objectives

Understand the types of treatments that calm traffic

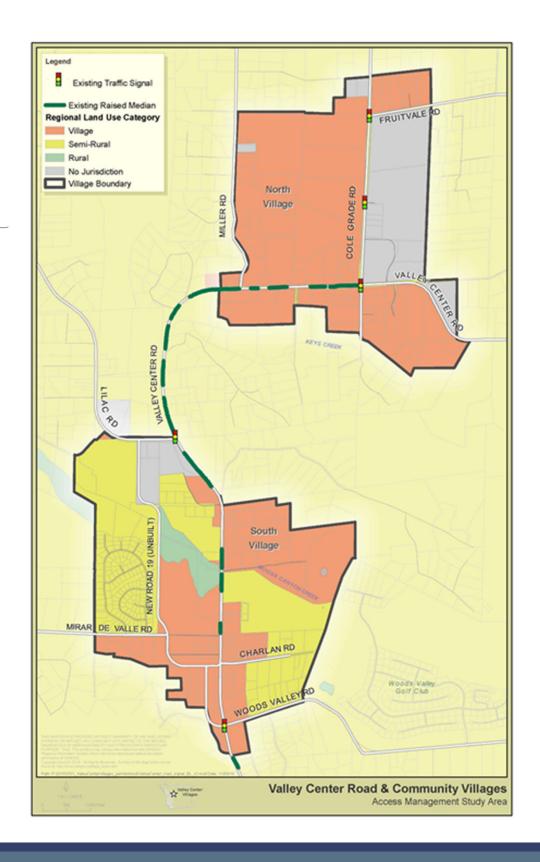
Present treatments that target community concerns

Obtain feedback on treatments of the plan the community would like the County to explore further

Concepts presented represent options that may become part of a plan for the corridor and may be considered for implementation in the long term

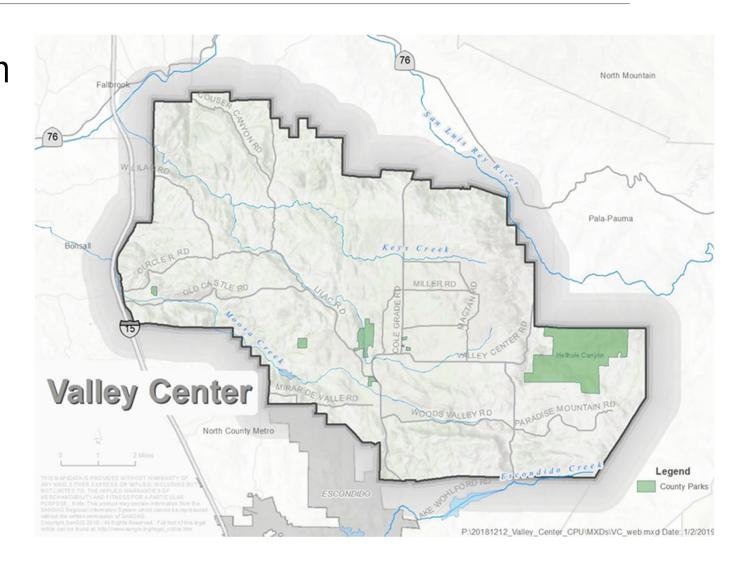
Background: Project Focus & Grant

- Study area encompasses Valley Center Road from Cole Grade Road to Woods Valley Road
- Project focus:
 - Formalize a corridor access management strategy
 - Safe ingress and egress from adjacent streets and driveways
 - Address operations from the perspective of all users
- Caltrans Sustainable Communities Grant (Senate Bill 1)



Background: Related Project Valley Center Community Plan Update

- Comprehensive update of the Community Plan
- Address Land Use, Mobility, Conservation and Open Space, Housing, Safety, Design Guidelines, and other topics



Background: Existing Conditions



South Village

 Divided median and intermittent turn lanes



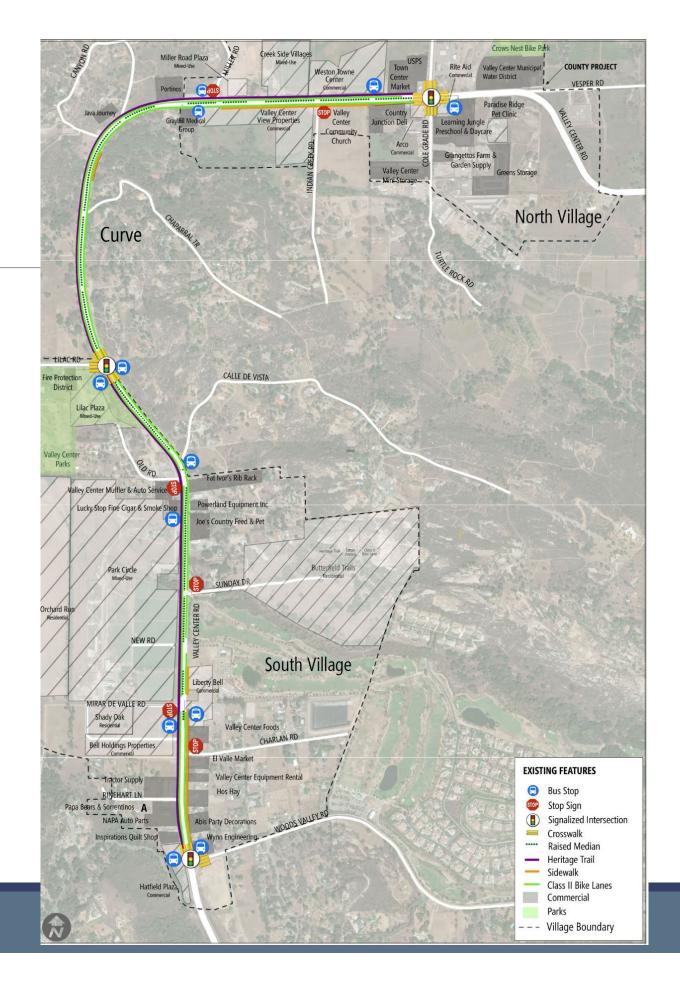
Curve

Major Road with raised median



North Village

Boulevard with raised median



Background: Existing Conditions Analysis

- Roadway Segments
- Intersections
- Speed
- Crash Data
- Pedestrians
- Bicycles
- Transit

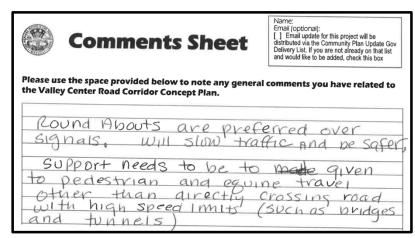






Background: Workshop 1





- Three interactive exercises were conducted to solicit feedback
 - Polling Exercise Who's in the Room
 - Mapping Exercise Identify Existing Issues
 - Best Practices Discussion Pros and Cons of Treatment
 Options
 - Comment Cards Provided for General Input

"Need to accommodate future traffic without increasing time to travel the corridor"

"Slower traffic speeds while improving vehicle flow"

"Make it visually attractive"

"Address access to businesses"

"Reduce frequency and severity of collisions"

"Increase pedestrian and bicycle connections"

140+
comments
received



Background: Forming Themes

- Three themes
- Based on types of comments received in the first workshop
- Unique emphases, but are not exclusive from one another
- Composed of design treatments from our toolbox



Pedestrian & Bicycle



Traffic Calming



Village

Toolbox

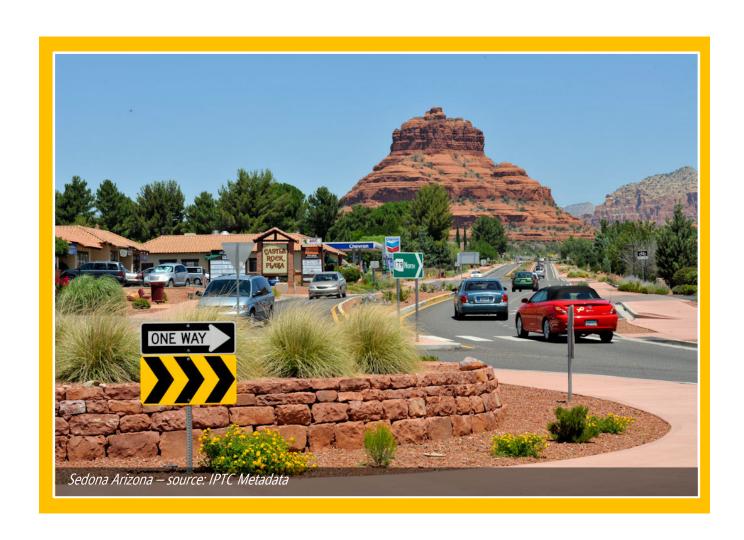
CONSIDERATIONS FOR CORRIDOR IMPROVEMENTS

Intersection Control: Roundabouts

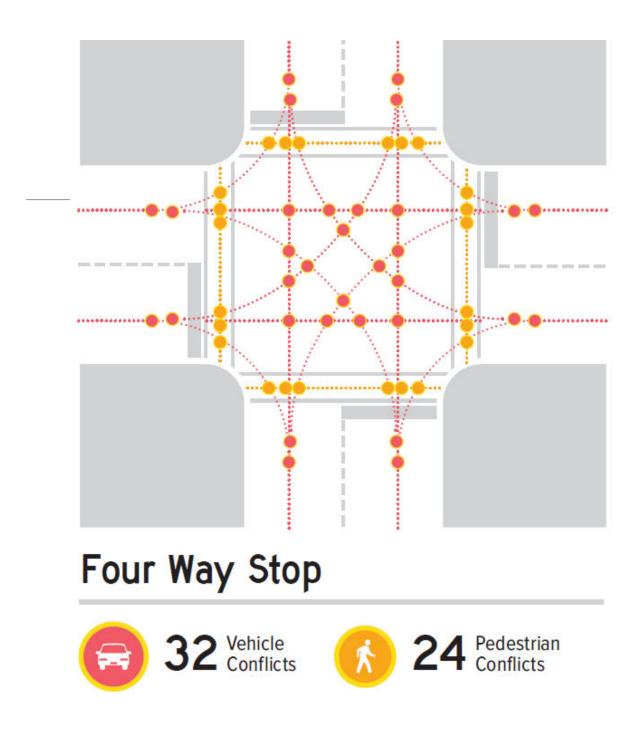


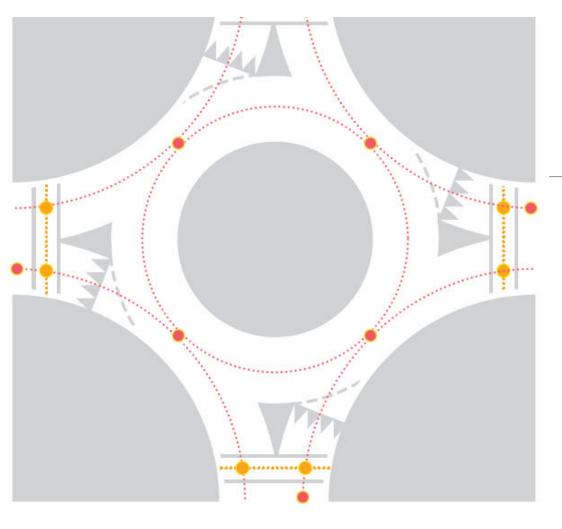






- Vehicles yield to traffic that is already in the roundabout
- Traffic travels counterclockwise around a center island
- Bikes merge with traffic before entering the roundabout, or dismount and use sidewalks





Roundabout



8 Vehicle Conflicts



Pedestrian Conflicts

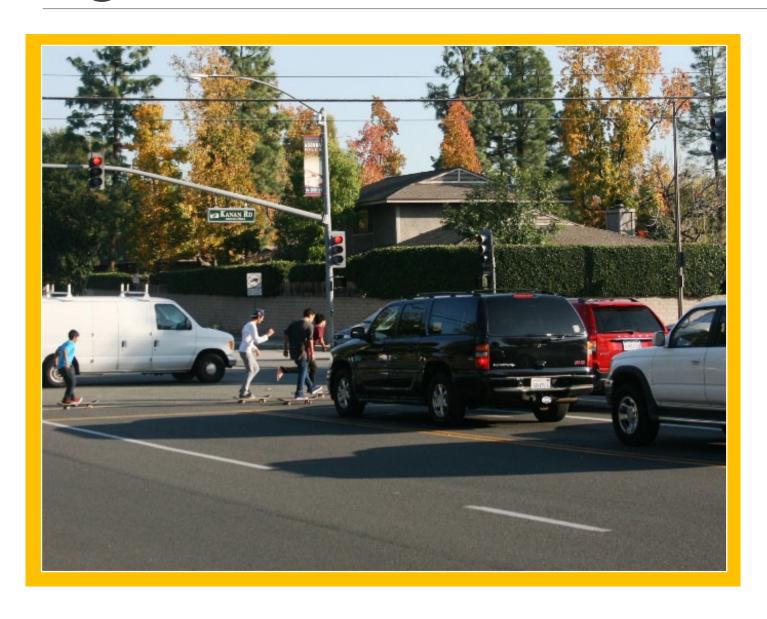
Roundabouts vs. Intersections | Conflict Points

Intersection Control: Signalized Intersection









- Vehicles comply with traffic signals, coming to a full stop at a red light
- Traffic travels in opposite directions
- Bike lanes continue through intersection

Intersection Control: Controlled Pedestrian Crossing









Pedestrian Signal

- Vehicles stop when activated by pedestrian
- Both provide a clear right-of-way for pedestrians
- Both support improved safety for pedestrians crossing at mid-block locations
- HAWK has special head for lights, where a pedestrian signal looks like a traditional traffic signal

Intersection Control: Rectangular Rapid Flashing Beacon



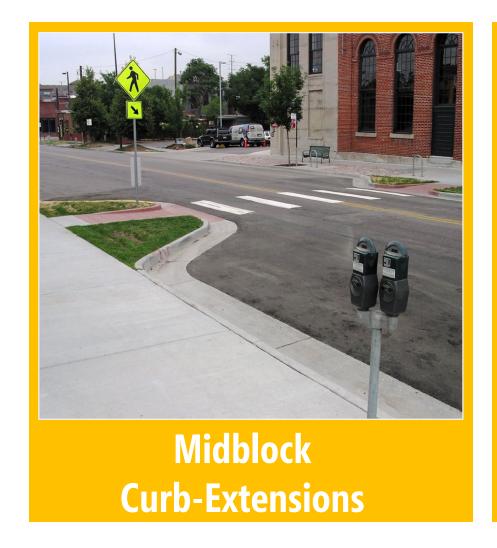


- Flashing lights when activated by pedestrian
- Increase awareness for drivers of pedestrians crossing street

Traffic Calming: Curb Extensions









- Midblock narrows roadway to reduce speeds
- Curb Extensions at Intersection tightens curve so turning vehicles slow down
- Both shorten crossing distance for pedestrians
- Both help make pedestrians and drivers more visible to each other

Traffic Calming & Access: Raised Median









- Physical barrier between traffic
- Pedestrians only have to cross one direction of travel at a time
- Can serve as a place of refuge for pedestrians and bicyclists who cross the street
- May reduce head-on and T-bone crashes

Bicycle Facilities:Bike Lane with Buffer









- Provides a designated separation between bikes and moving traffic
- More comfortable than regular bike lanes, but still next to moving traffic
- Can narrow travel lanes and help slow traffic







- Creates a unique identifier for community (sense of place)
- Improved aesthetics and comfort
- Typically accompanied by landscaping

Questions?

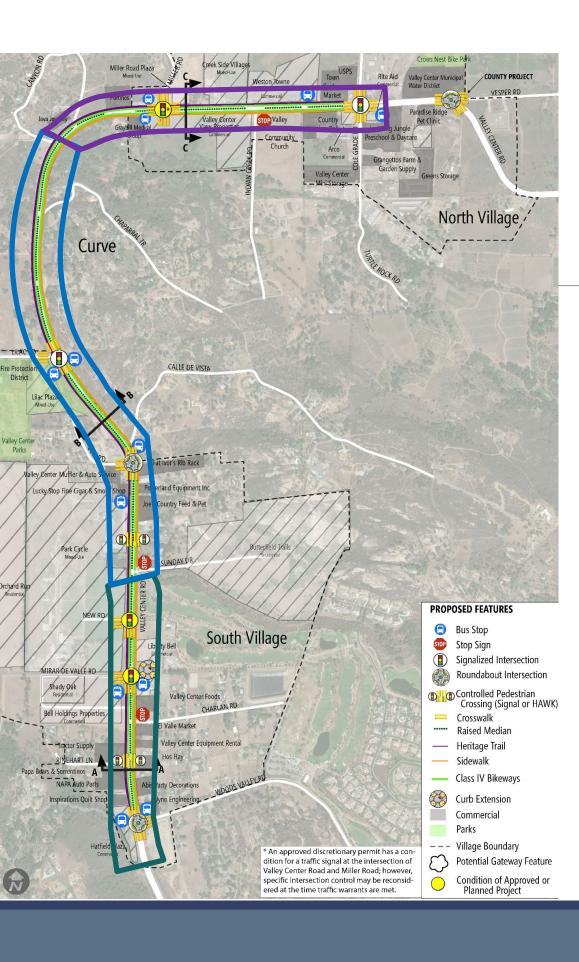
Corridor Concept Development:

Exploring the Themes









Corridor Sections A, B & C

South Village (Section A)

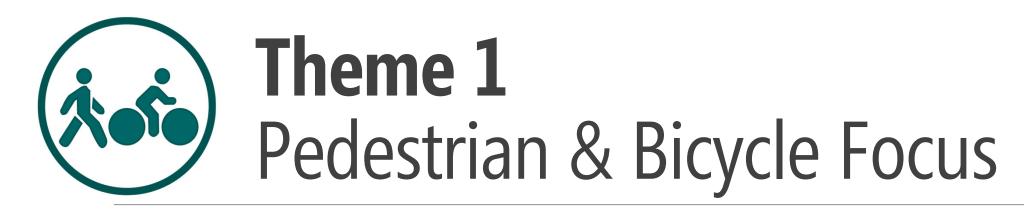
Woods Valley Road to just south of Sunday Drive

Curve (Section B)

Sunday Drive to just south of Canyon Road

North Village (Section C)

Canyon Road to Cole Grade Road



Treatments of Theme

1

- Two-lane Roundabouts
- Curb Extensions
- Controlled Pedestrian Crossings
- Raised Medians
- Sidewalks
- Separated Bikeway with Flexible Delineator Posts



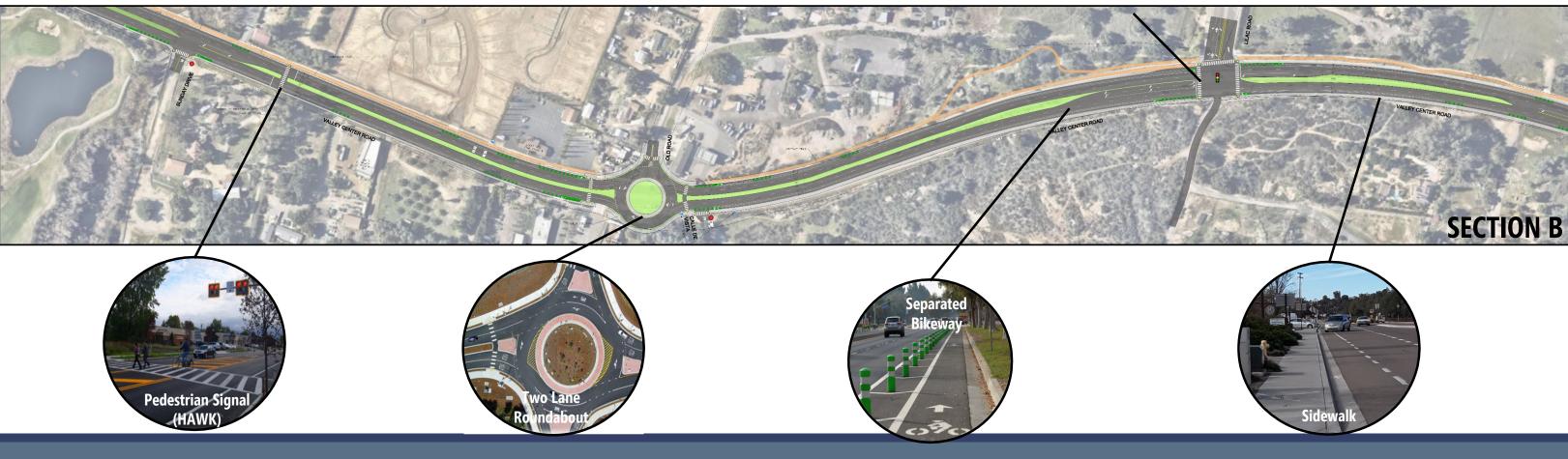


WOODS VALLEY ROAD TO JUST SOUTH OF SUNDAY DRIVE

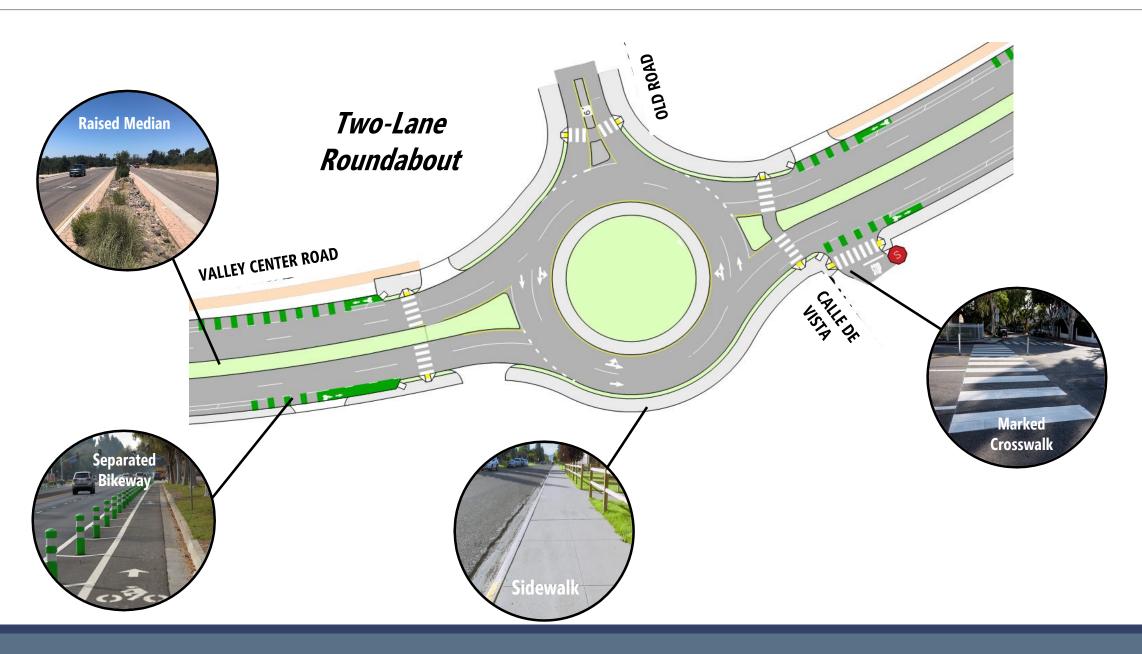




SUNDAY DRIVE TO JUST SOUTH OF CANYON ROAD

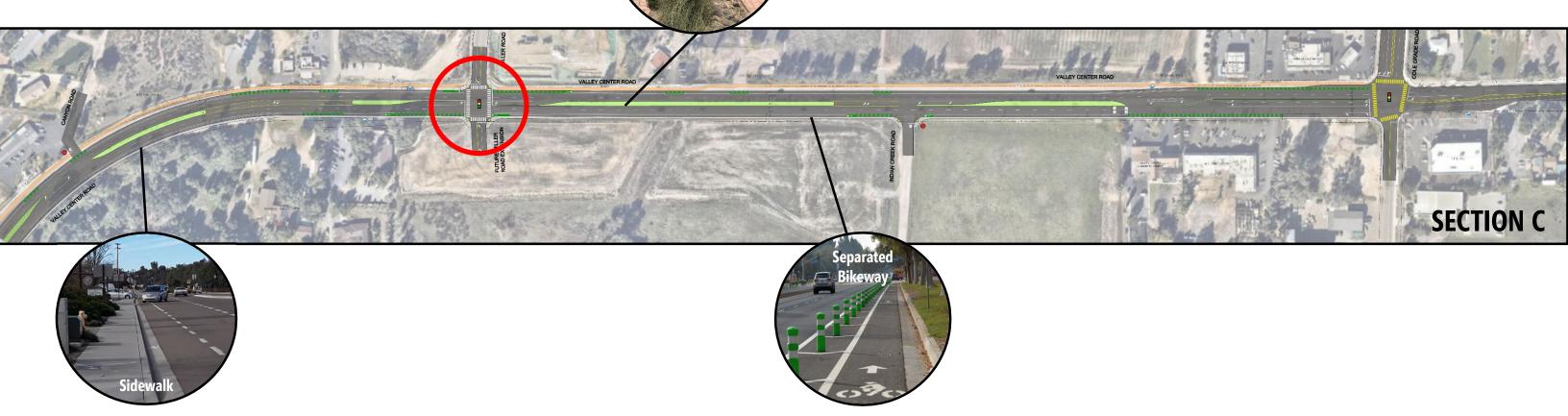


Theme 1 Two Lane Roundabout





CANYON ROAD TO COLE GRADE ROAD



Project Implementation Considerations

- Long term plan for the corridor
- Not included in existing capital budgets
- Will require a combination of financing mechanisms, including:
 - Frontage improvements associated with discretionary project applications
 - Grants federal, state, and other
 - Potential options for local contributions (assessment districts)
- Additional details on implementation options will be presented at Workshop 3 this fall



Theme 1 — Rough Order Magnitude (ROM) Cost

ROM costs Theme 1: \$57 million, includes:

- \$25.4M Construction (including contingency)
- \$17.0M Project delivery (environmental, engineering, ROW)
- \$14.6M Escalation (3% per year to 2030)

Theme 2 | Traffic Calming Focus



Treatments of Theme 2

- One-lane Roundabouts with Taper
- Two-lane Roundabout
- Curb Extensions
- Controlled Pedestrian Crossing (Signal or HAWK)
- Raised Medians
- Sidewalks
- Separated Bikeway with Flexible Delineator Posts



Theme 2 South Village (Section A)

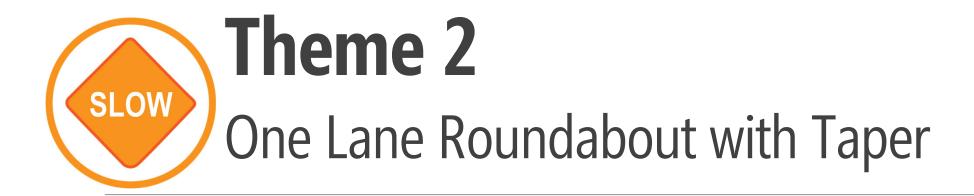
WOODS VALLEY ROAD TO JUST SOUTH OF SUNDAY DRIVE

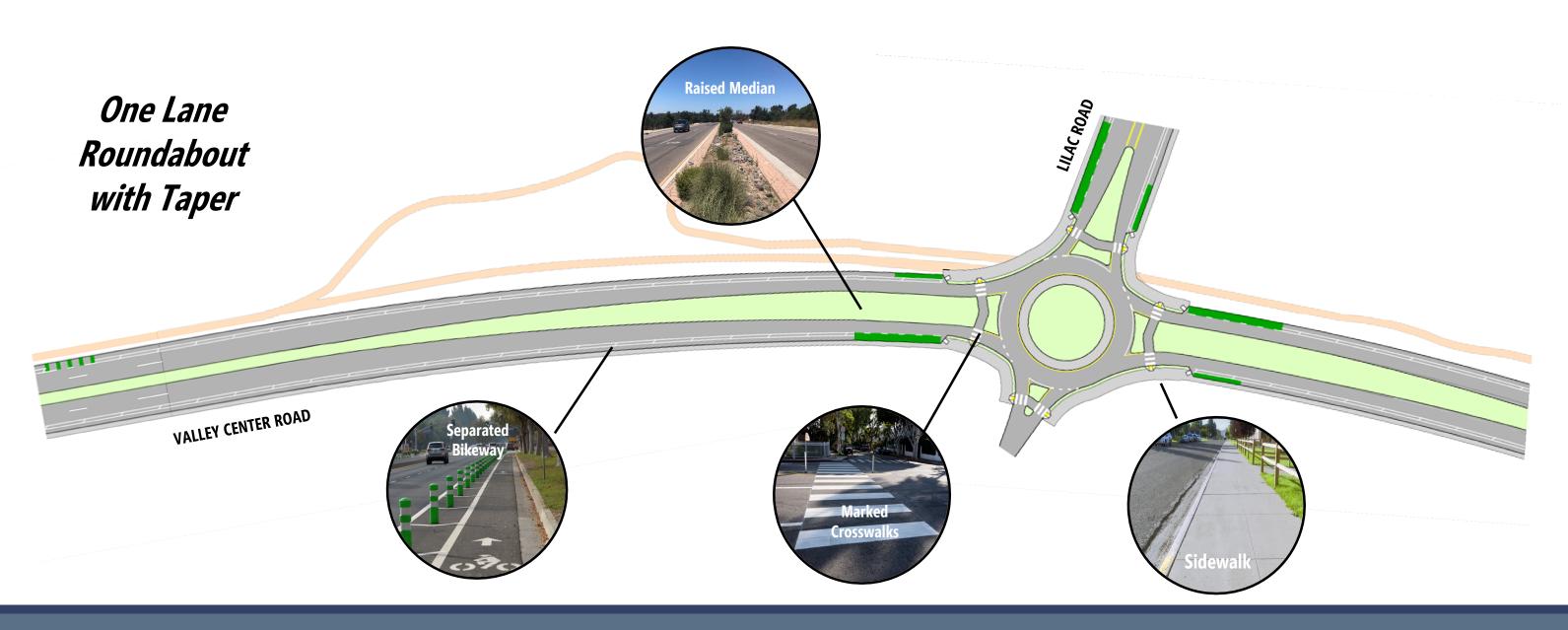




SUNDAY DRIVE TO JUST SOUTH OF CANYON ROAD



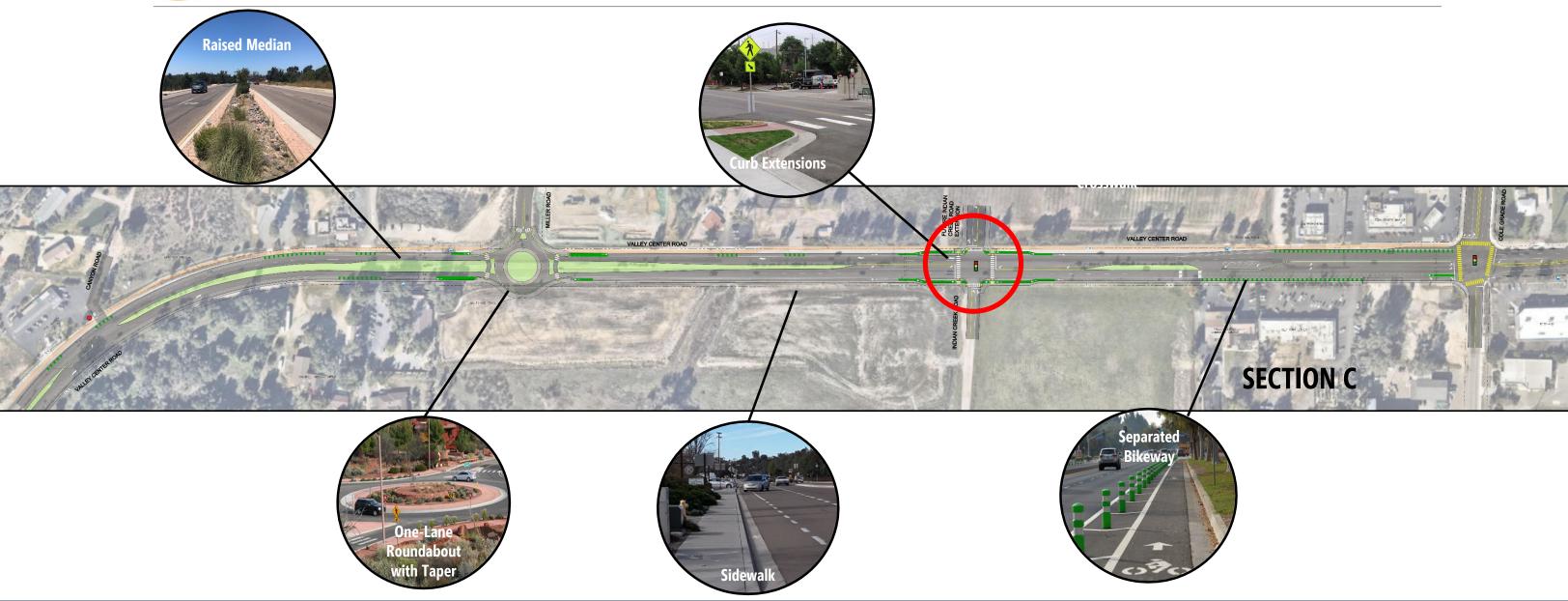






North Village (Section C)

CANYON ROAD TO COLE GRADE ROAD





Theme 2 — Rough Order Magnitude (ROM) Cost

ROM costs Theme 2: \$60.8 million, includes:

- \$27.1M Construction (including contingency)
- \$18.1M Project delivery (environmental, engineering, ROW)
- \$15.6M Escalation (3% per year to 2030)

Theme 3 | Village Focus

Treatments of Theme 3

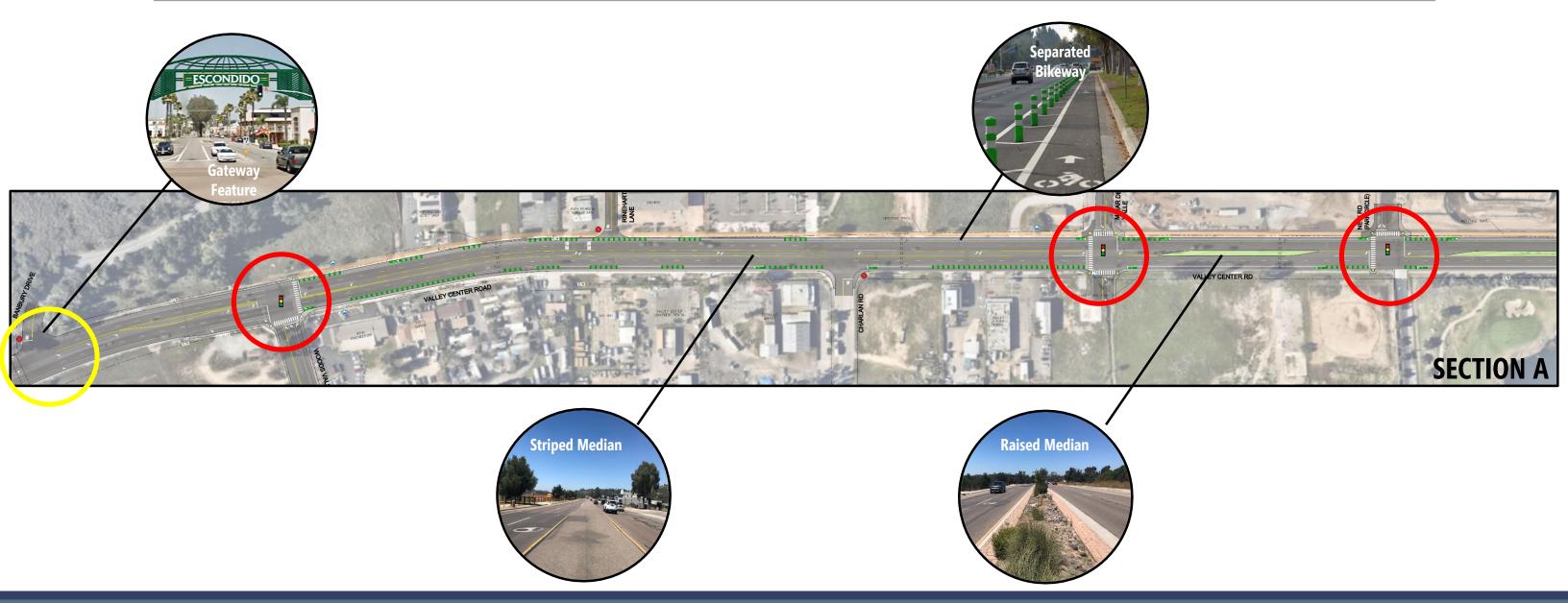
- One-lane Roundabouts with 2-lane Valley Center Road
- Raised Medians
- Sidewalks
- Separated Bikeway with Flexible Delineator Posts
- Bike Lanes with Buffer
- Rectangular Rapid Flashing Beacons
- Gateway Feature



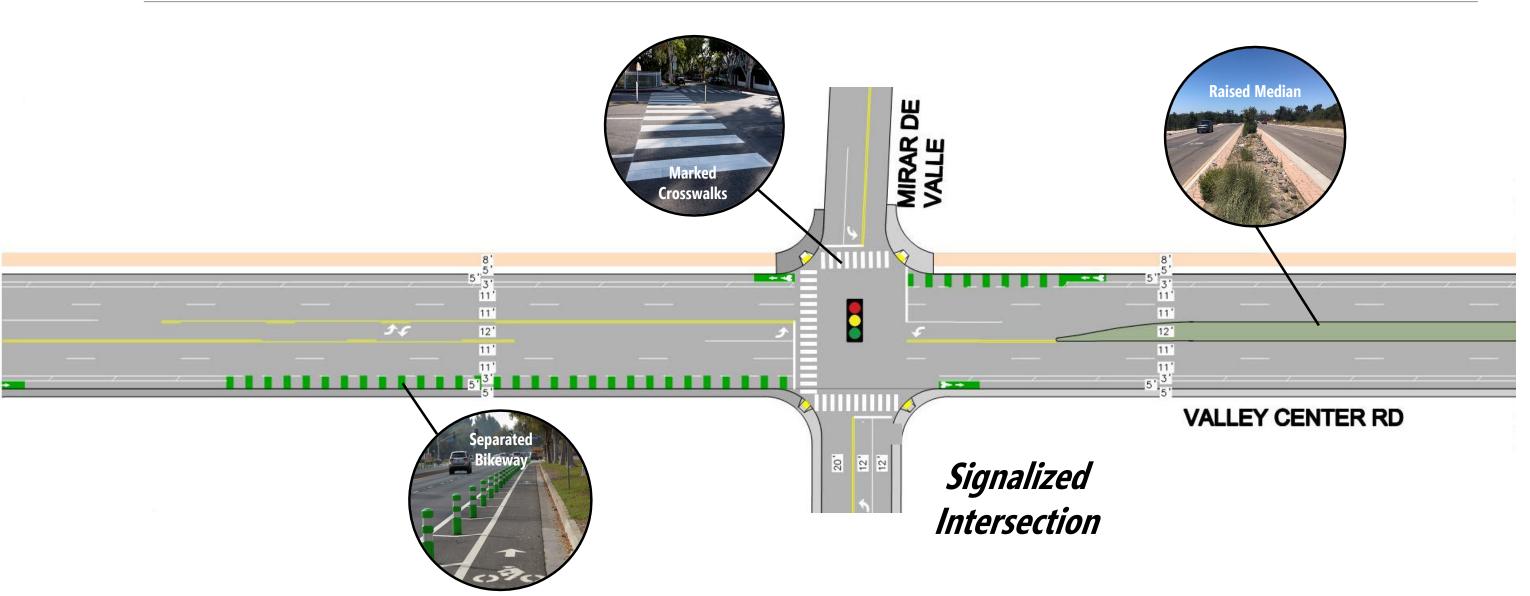


Theme 3 South Village (Section A)

WOODS VALLEY ROAD TO JUST SOUTH OF SUNDAY DRIVE

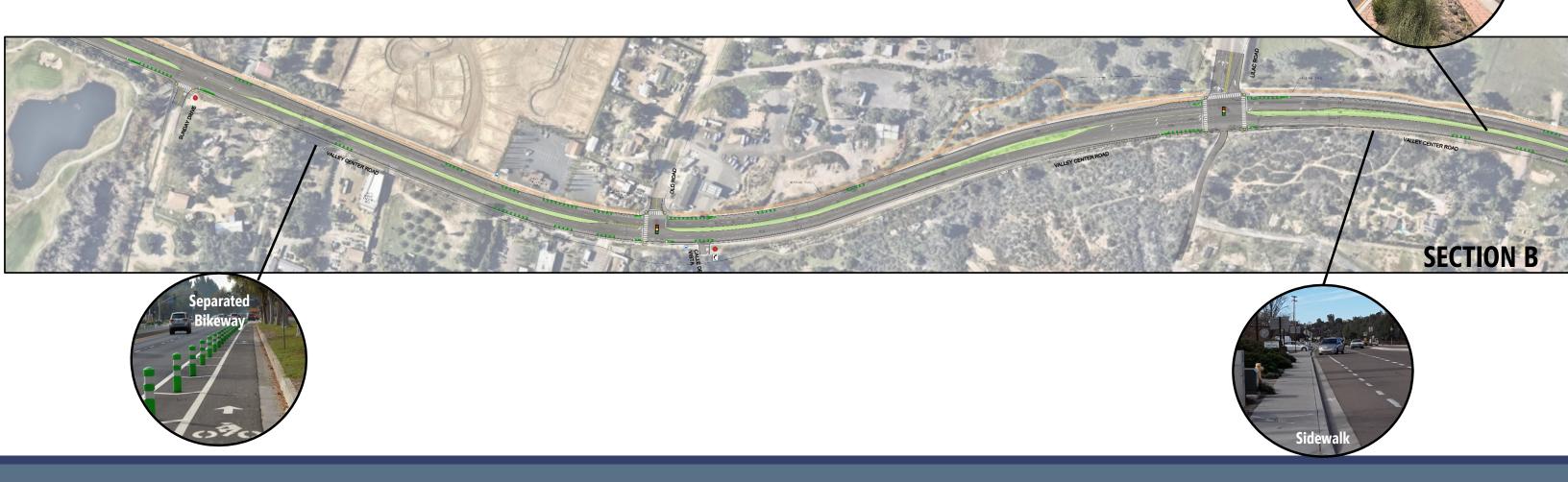


Theme 3 Signals & Medians



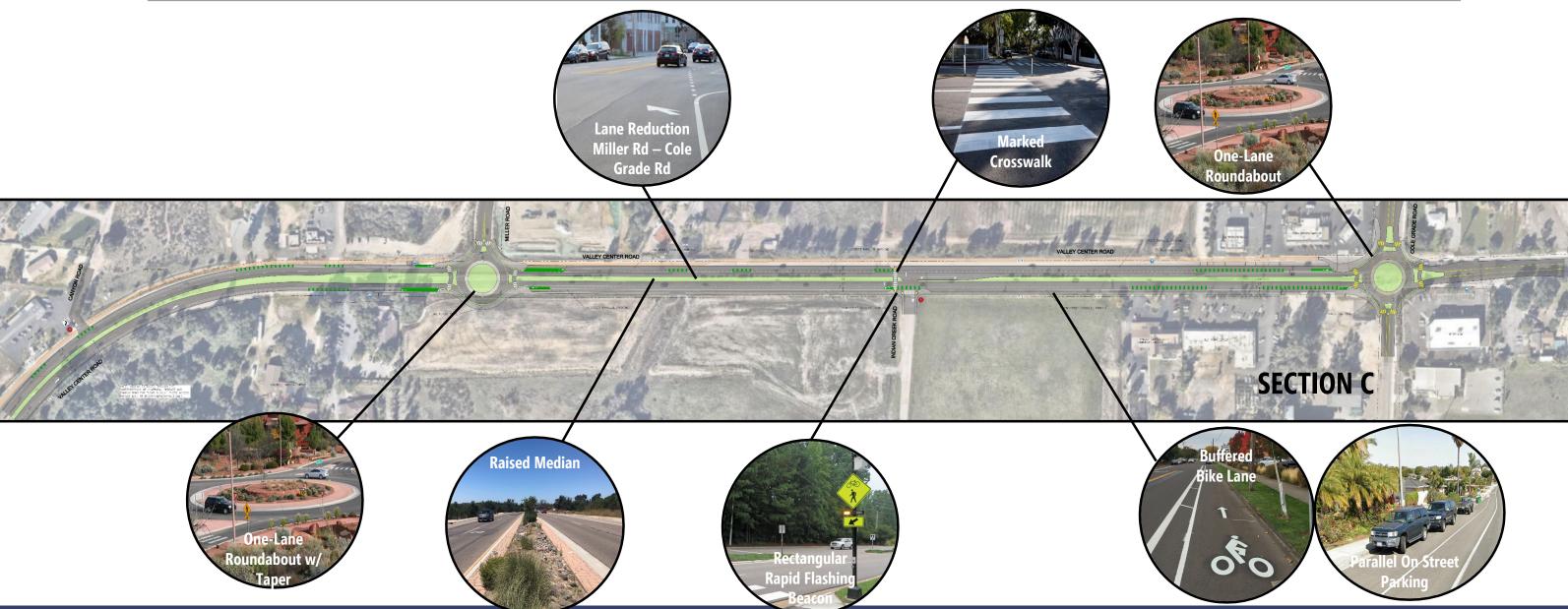


SUNDAY DRIVE TO JUST SOUTH OF CANYON ROAD

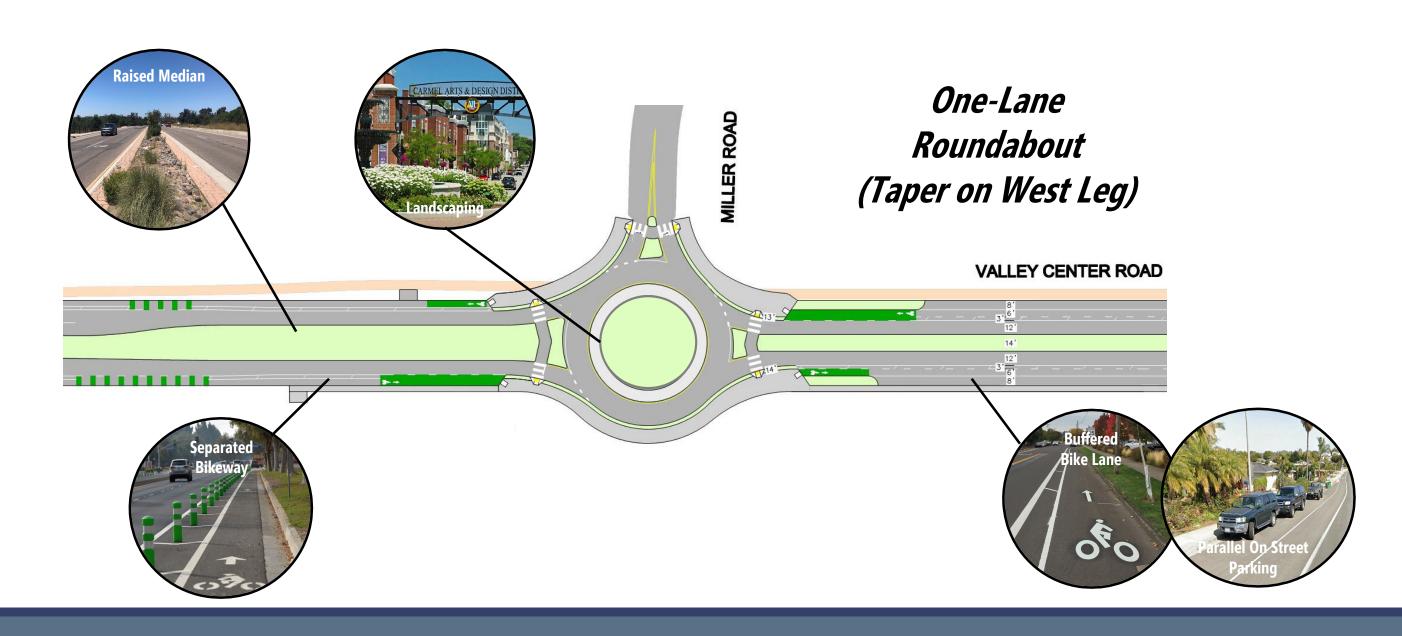




CANYON ROAD TO COLE GRADE ROAD



Theme 3 Roundabout & Lane Reduction



Theme 3 — Rough Order Magnitude Cost

ROM costs Theme 3: \$55.3 million, includes:

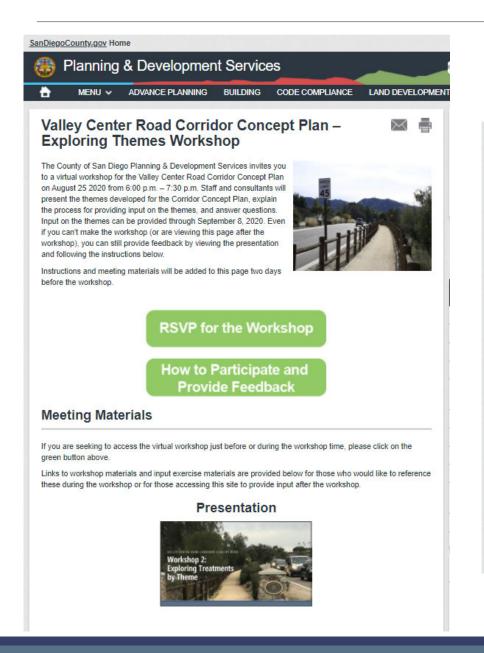
- \$24.7M Construction
- \$16.5M Project delivery (environmental, engineering, ROW)
- \$14.1M Escalation (3% per year to 2030)

Q&A



How to Provide Input / Feedback: Online Activity Demonstration

Online Resources





Themes Technical Report

The following files provide additional details on each of the themes presented in the flipbooks linked above. Review of these additional resources is not necessary for completing the feedback exercise, but some may find these resources helpful.



A review of existing conditions, parallel policies, explanations of treatment options used in the themes, and summaries of each theme

Concept Plans

Existing Concept Plans

Existing Conditions Map

Theme 1 Concept Plans
Theme 1 Full Corridor Concept Plan

The thick black lines with letters (A-A, B-B, C-C) on these maps show where the cross sections (see links below) are taken from.

Theme 1 Cross Sections

See the full corridor concept plans for the road corridor locations of these cross sections.

Theme 2 Concept Plans

Theme 2 Full Corridor Concept Plan

The thick black lines with letters (A-A, B-B, C-C) on these maps show where the cross sections (see links below) are taken from.

heme 2 Cross Sections

See the full corridor concept plans for the road corridor locations of these cross sections.

Theme 3 Concept Plans

Theme 3 Full Corridor Concept Plan

The thick black lines with letters (A-A, B-B, C-C) on these maps show where the cross sections (see links below) are taken from.

Theme 3 Cross Sections

See the full corridor concept plans for the road corridor locations of these cross sections.

Zoomed in Concept Plans

Existing & Theme 1 South Village Zoomed in Concept Plan

Theme 2 & Theme 3 South Village Zoomed in Concept Plan

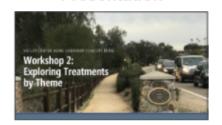
Existing & Theme 1 Curve Zoomed in Concept Plan

Theme 2 & 3 Curve Zoomed in Concept Plan

Existing & Theme 1 North Village Zoomed in Concept Plan

Theme 2 & Theme 3 North Village Zoomed in Concept Plan

Presentation



Step 1 Step 2 Step 3







Curve

(Section B)

Sunday Drive to just south of Canyon Road

Curve

(Section B)

Sunday Drive to just south of Canyon Road



South Village (Section A)

(Section A)

South Village (Section A)

South Village

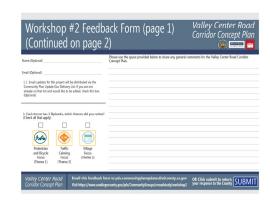
Curve (Section B) Sunday Drive to just south of Canyon Road

North Village (Section C)

North Village (Section C)

North Village (Section C)

Download the fillable feedback form (PDF)



This will guide you through the Themes

Presentation



Step 1

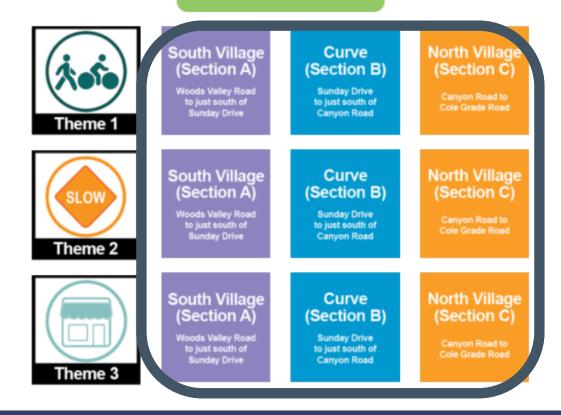


Step 2 Step 3



Flipbook Exercise

Feedback Form



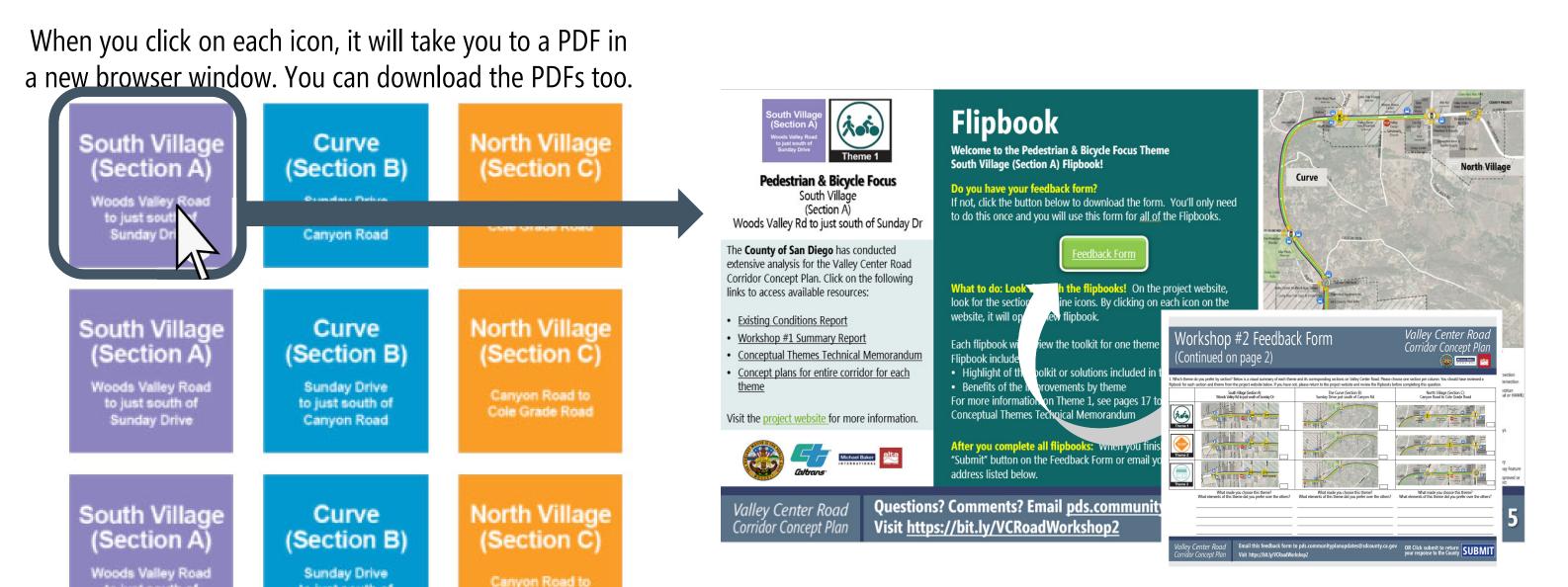
Click on each Section by Theme There are 9 Flipbooks







Go Back to the Website Click on another flipbook!



to just south of

Canyon Road

Cole Grade Road

to just south of

Sunday Drive

Don't forget to fill out the feedback form as you go!





Pedestrian & Bicycle Focus Theme | South Village (Section A) From Woods Valley Rd to just south of Sunday Dr

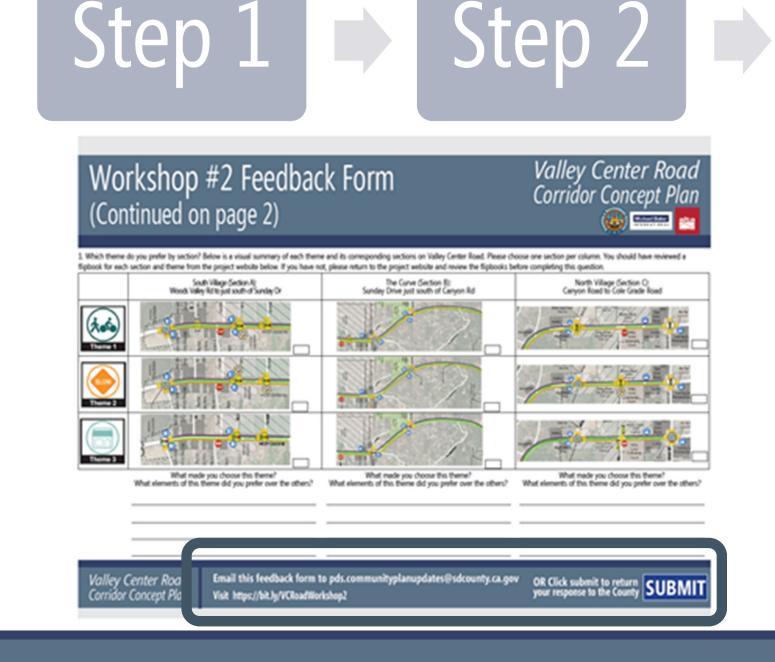
This theme aims to provide a continuous path of travel for pedestrians and provide continuous Class IV directional bikeways for bicyclists.

- Controlled pedestrian and bicycle crossings are provided maximum of 0.25 miles apart.
- Controlled crossings are provided at signalized intersections, controlled pedestrian crossings (signal or HAWK) and roundabouts.
- A curb extension is provided to help reduce pedestrian crossing distance and slow speeds at Mirar De Valle.
- A raised median is included the length of the corridor with gaps provided at intersections and key driveways.
- Lanes are narrowed to 11' to help manage speeds and access.
- Roundabouts are placed at the north and south ends of the South Village to serve as a gateway feature and to reduce speeds.

- Roundabout reduces delay and improves operations at intersection
- Green bike lane striping through conflict zones alerts drivers to look for bicyclists
- Raised medians with turn lanes allow for more controlled access when turning into businesses
- Crosswalks, curb ramps, ADA access signage highlight a preferred location for pedestrians to cross
- Pedestrian Signal or HAWK clearly communicates when vehicles should stop and sets a specific time for pedestrians and bicyclists to cross
- Sidewalks provide ADA accessible space and could potentially reduce conflict areas on Heritage Trail
- Class IV separated bikeway with flexible delineator posts provides physical separation for bicyclists
- 8 Curb extensions create visual friction which can create traffic calming effects and result in slower speeds
- 9 New signal aims to improve access to existing commercial and planned mixed-use development along Valley Center Road



For information on the benefits of the tools selected, see pages 6 through 16 of the Conceptual Themes Technical Memorandum



Step 3

Click submit on the Feedback Form



It will open auto email back to the County

Email this feedback form to: pds.communityplan updates@ sdcounty.ca.gov

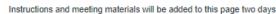
Website Materials

Workshop 2: bit.ly/VCRoadWorkshop

Before Workshop

Valley Center Road Corridor Concept Plan -**Exploring Themes Workshop**

The County of San Diego Planning & Development Services invites you to a virtual workshop for the Valley Center Road Corridor Concept Plan on August 25 2020 from 6:00 p.m. - 7:30 p.m. Staff and consultants will present the themes developed for the Corridor Concept Plan, explain the process for providing input on the themes, and answer questions. Input on the themes can be provided through September 8, 2020. Even if you can't make the workshop (or are viewing this page after the workshop), you can still provide feedback by viewing the presentation and following the instructions below.



PDF outlining how to join the Zoom meeting and provide feedback.

How to Participate and **Provide Feedback**

\bowtie

Flipbooks PDFs of each section of the corridor (South Village, Curve and North Village) by

Theme.

Workshop Exercise

Meeting Materials

If you are seeking to access the virtual workshop just before or during the workshop time, please click on the

Links to workshop materials and input exercise materials are provided below for those who would like to reference op or for those accessing this site to provide input after the workshop

This presentation is uploaded here, and a recording of the webinar will be posted after the meeting.



Flipbook Exercise

Feedback Form













Curve

(Section B)

Curve

(Section B)

Click on each icon above to download the PDF for more information about the proposed theme in its location

Further Review

Additional Resources

Themes Technical Report

The following files provide additional details on each of the themes presented in the flipbooks linked above. irces is not necessary for completing the feedback exercise, but some may find

The Themes Technical Report Memo details the different themes and treatments proposed along the corridor.

Exercise to be

completed after the

webinar and send

before September 2.



Concept Plans

Existing Concept Plans Existing Conditions Map

Theme 1 Concept Plans Theme 1 Full Corridor Concept Plan

Theme 1 Cross Sections

The thick black lines with letters (A-A, B-B, C-C) on these maps show where the are taken from

See the full corridor concept plans for the road corridor locations of these cross

Theme 2 Concept Plans

Theme 2 Full Corridor Concept Plan

Theme 2 Cross Sections

The thick black lines with letters (A-A, B-B, C-C) on these maps show when are taken from

See the full corridor concept plans for the road corridor locations of these cross

Theme 3 Concept Plans

Theme 3 Full Corridor Concept Plan Theme 3 Cross Sections

The thick black lines with letters (A-A, B-B, C-C) on these maps show where the cross sections (see links below)

See the full corridor concept plans for the road corridor locations of these cross sections

Zoomed in Concept Plans

are taken from

Existing & Theme 1 South Village Zoomed in Concept Plan

Theme 2 & Theme 3 South Village Zoomed in Concept Plan

Existing & Theme 1 Curve Zoomed in Concept Plan

Theme 2 & 3 Curve Zoomed in Concept Plan

Existing & Theme 1 North Village Zoomed in Concept Plan

Theme 2 & Theme 3 North Village Zoomed in Concept Plan

PDFs of conceptual

plans, cross sections

and zoomed in

conceptual plans per

theme.

Additional Questions?

If you have questions about the Valley Center Road Corridor Concept Plan

Please email pds.communityplanupdates@sdcounty.ca.gov

Call (858) 505-6677

