

Cuesta Drive-Arboleda Drive Traffic Calming Project

TS-01022

Refined Concept Plan Approval



COMPLETE STREETS COMMISSION

APRIL 24, 2019

Project Location Map




Community Outreach

Cuesta Dr-Arboleda Dr Traffic Calming Project

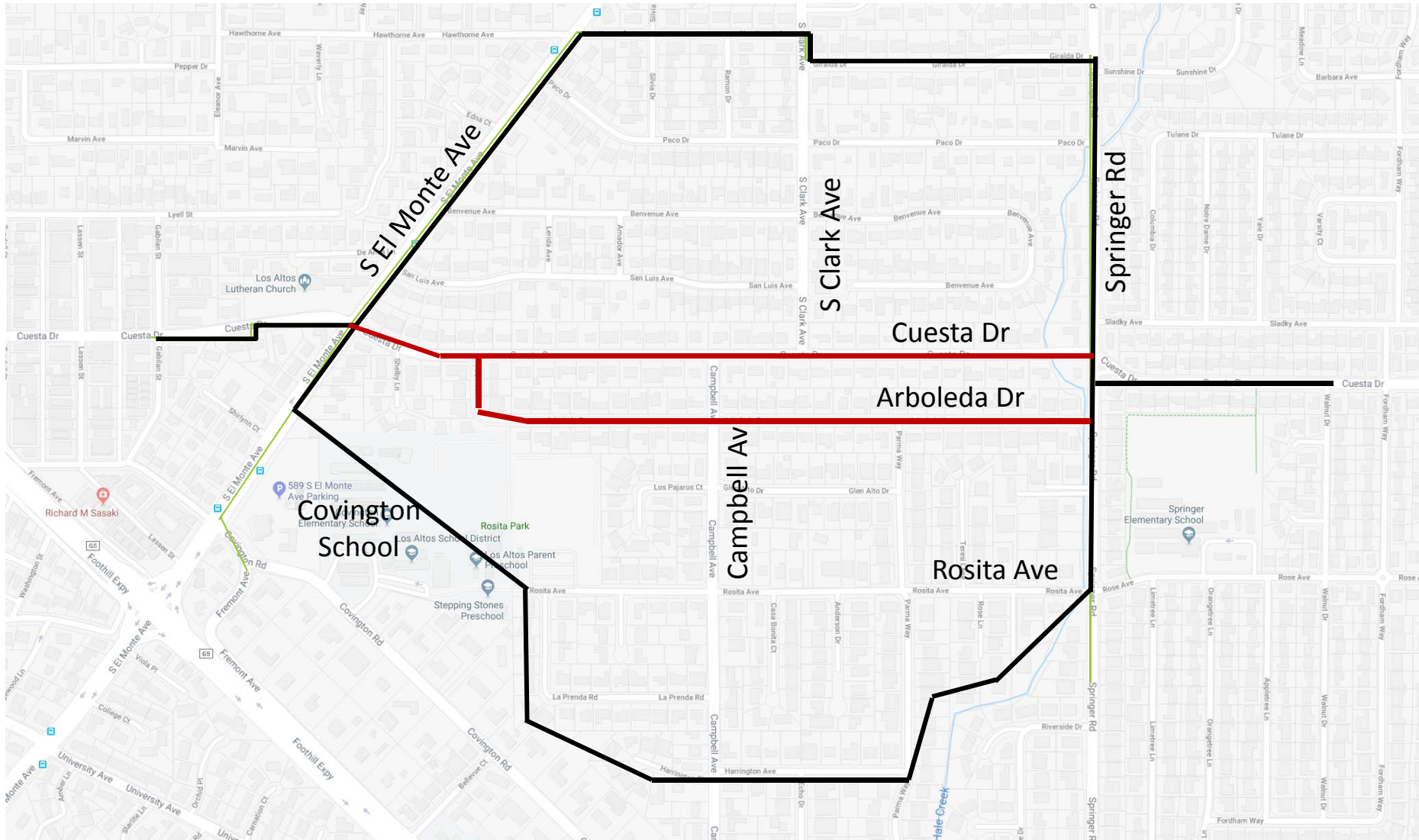
Traditional Outreach:

- Mailer (895)

Social Media Outreach:

- City Website/Calendar
 - NextDoor, Facebook, Twitter, Instagram
 - City Manager Weekly
- 

722
Parcels
--
895
Mailers




Tonight's Request to CSC

Cuesta Dr-Arboleda Dr Traffic Calming Project

Approval of Refined Design Concept:

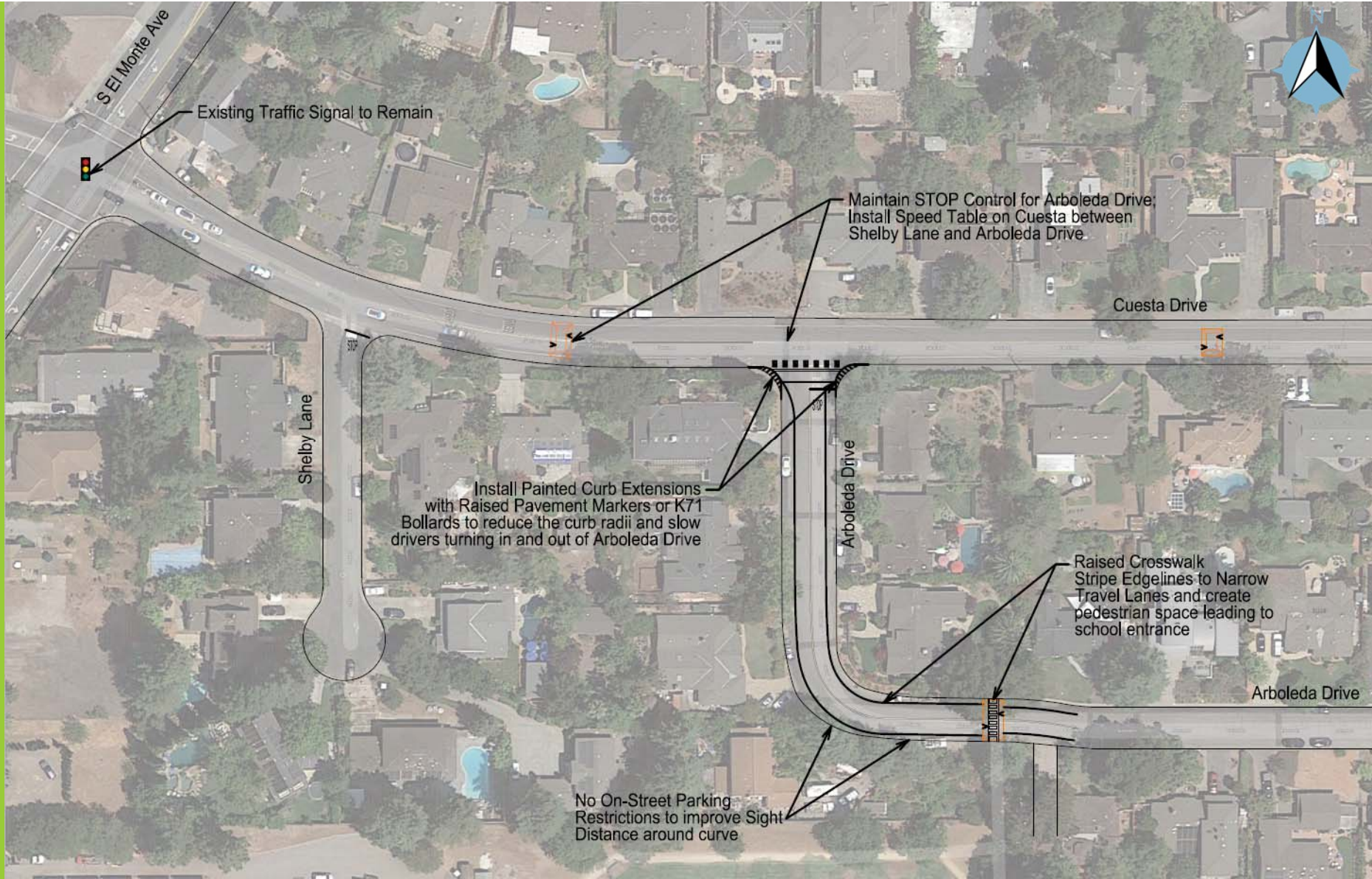
- Speed Tables on Cuesta Dr
- Speed Humps on Arboleda Dr
- Arboleda Dr School Xing
Speed Table
- Multi-Way STOP Control at
Various Intersections

Additional Updates:

- Resident Survey of Support
Started
 - Traffic Data Collection Update
 - Traffic Study Findings
- 

Cuesta Dr & Arboleda Dr – West Segment

Cuesta Dr-Arboleda Dr Traffic Calming Project



S El Monte Ave

Existing Traffic Signal to Remain

Shelby Lane

Maintain STOP Control for Arboleda Drive;
Install Speed Table on Cuesta between
Shelby Lane and Arboleda Drive

Cuesta Drive

Install Painted Curb Extensions
with Raised Pavement Markers or K71
Bollards to reduce the curb radii and slow
drivers turning in and out of Arboleda Drive

Arboleda Drive

No On-Street Parking
Restrictions to improve Sight
Distance around curve

Raised Crosswalk
Stripe Edgelines to Narrow
Travel Lanes and create
pedestrian space leading to
school entrance

Arboleda Drive



Cuesta Dr & Arboleda Dr – Central Segment

Cuesta Dr-Arboleda Dr Traffic Calming Project



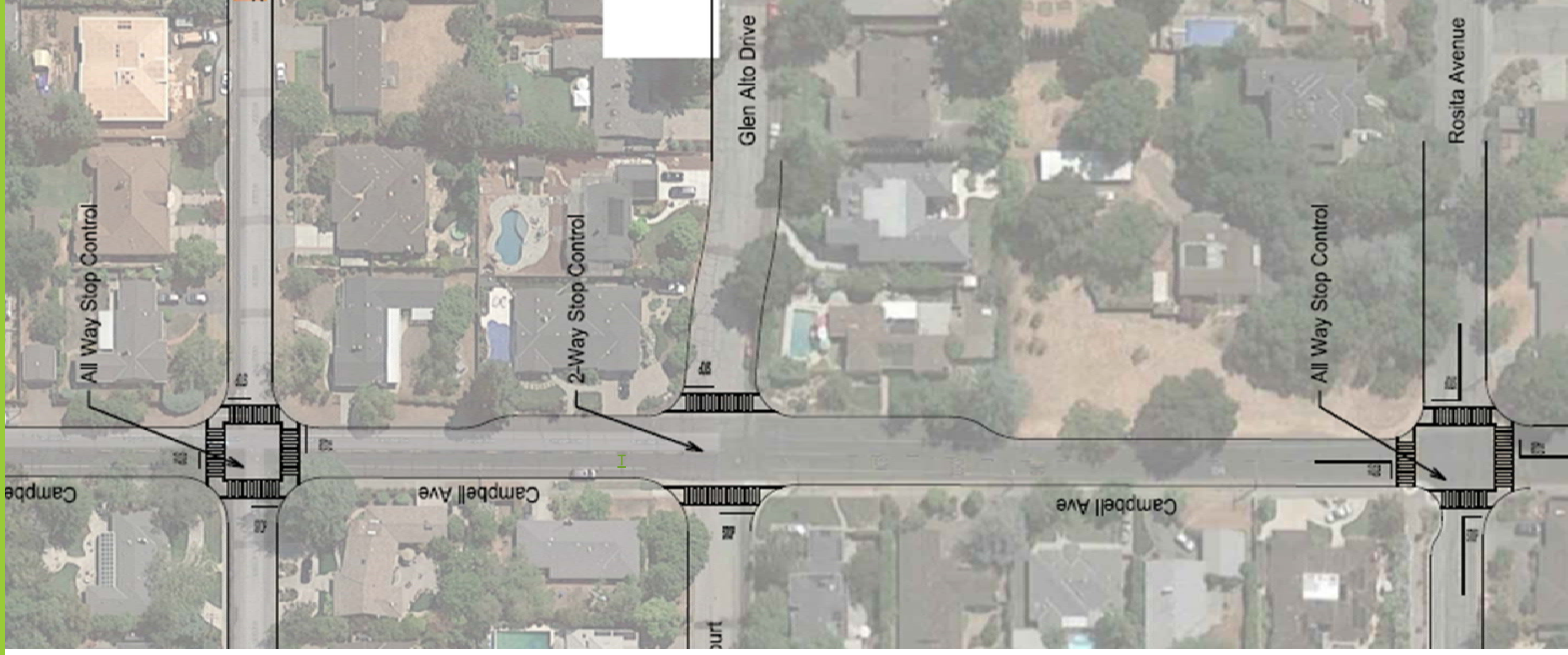
Cuesta Dr & Arboleda Dr – East Segment

Cuesta Dr-Arboleda Dr Traffic Calming Project



Campbell Avenue – South of Cuesta Drive

Cuesta Dr-Arboleda Dr Traffic Calming Project



Resident Survey of Support

Cuesta Dr-Arboleda Dr Traffic Calming Project

Collector Street – Traffic Calming Plan → *66.66% Resident Support Required for this Project*

- Includes Cuesta Dr
- Current Project Proposes Alternative Treatments based on current Planning Process
- Funds Collector Street Traffic Calming Improvements and Adjacent Local Street Improvements

Neighborhood Traffic Management Plan

- Requires 50% Resident Funding on Stand Alone Traffic Calming Projects → *Waived for this Project*
- Requires 66.66% Resident Support and 100% of all Property Owners → *Required for this Project*

Resident Survey of Support

Cuesta Dr-Arboleda Dr Traffic Calming Project

Surveys Mailed to Residents on Cuesta Dr-Arboleda Dr-Campbell Av:

I have reviewed the Refined Conceptual Plan Line drawings for traffic calming improvements along Cuesta Drive, Arboleda Drive, and Campbell Avenue. My support for these improvements is identified below:

- YES, I support installation of the proposed traffic calming improvements
- NO, I do not support installation of the proposed traffic calming improvements

Residents requested to return surveys by end of April. 66.66% Support Required.



Traffic Analysis Scope of Work

Analysis Included:

- Review and Operational Analysis of Cuesta Drive and Arboleda Drive
- Analyzed Impacts of Improvements at intersections along corridor
 - 5 intersections on Cuesta Drive
 - 2 intersections on Arboleda Drive
 - 1 intersection on Campbell Avenue
- Analyzed Proposed Stop Control intersection changes

Analysis Considers:

- Vehicle Volumes
- Vehicle Delays
- Intersection Level of Service
- Collision Reports at the Intersections



Traffic Data

85th Percentile Speeds



Traffic Data

Average Daily Traffic (ADT) Volumes



Multi-Way STOP Studies

Level of Service (LOS) Findings

ID	Intersection	Existing Conditions 2018				Existing Plus Project Conditions 2018					
		Traffic Control	A.M. Peak		P.M. Peak		Traffic Control	A.M. Peak		P.M. Peak	
			Delay	LOS	Delay	LOS		Delay	LOS	Delay	LOS
1	Cuesta Dr & S. El Monte Ave	Signal	12.8	B	11.3	B	Signal	12.8	B	11.3	B
2	Cuesta Dr & Arboleda D.	1-Way Stop	16.2	C	15.0	C	1-Way Stop	16.2	C	15.0	C
3	Cuesta Dr & Campbell Ave	All-Way Stop	18.3	C	13.3	B	All-Way Stop	18.3	C	13.3	B
4	Cuesta Dr & S. Clark Ave.	1-Way Stop	14.6	B	13.6	B	All-Way Stop	13.4	B	11.3	B
5	Cuesta Dr & Springer Rd	All-Way Stop	N/A	F	N/A	F	All-Way Stop	N/A	F	N/A	F
6	Arboleda Dr & Campbell Ave	2-Way Stop	11.6	B	11.0	B	All-Way Stop	8.8	A	8.1	A
7	Arboleda Dr & Springer Rd	1-Way Stop	19.7	C	N/A	F	1-Way Stop	19.7	C	N/A	F
8	Rosita Ave & Campbell Ave	2-Way Stop	B	13.5	B	10.5	All-Way Stop	8.9	A	7.9	A

Traffic Analysis Recommendations

Analysis Recommends:

- Proceed with Refined Concept Plan Traffic Calming measures:
 - Speed Tables on Cuesta Drive
 - Speed Humps on Arboleda Drive
 - Signage & Striping for Crosswalk Enhancements
- All Way STOP Control at
 - Cuesta Drive/S. Clark Avenue
 - Arboleda Drive/Campbell Avenue
 - Rosita Avenue/Campbell Avenue

Analysis Does Not Recommend:

- Lane Reduction at Cuesta Drive & Springer Rd



Proposed Truck Route Signage Enhancements

Pending Support from the City of Mountain View



Goal: Add better signage at Cuesta Dr & Miramonte Av in Mountain View to guide truckers towards El Camino Real.

Status: Waiting for input from City of Mountain View for cost-share sign installation approval.

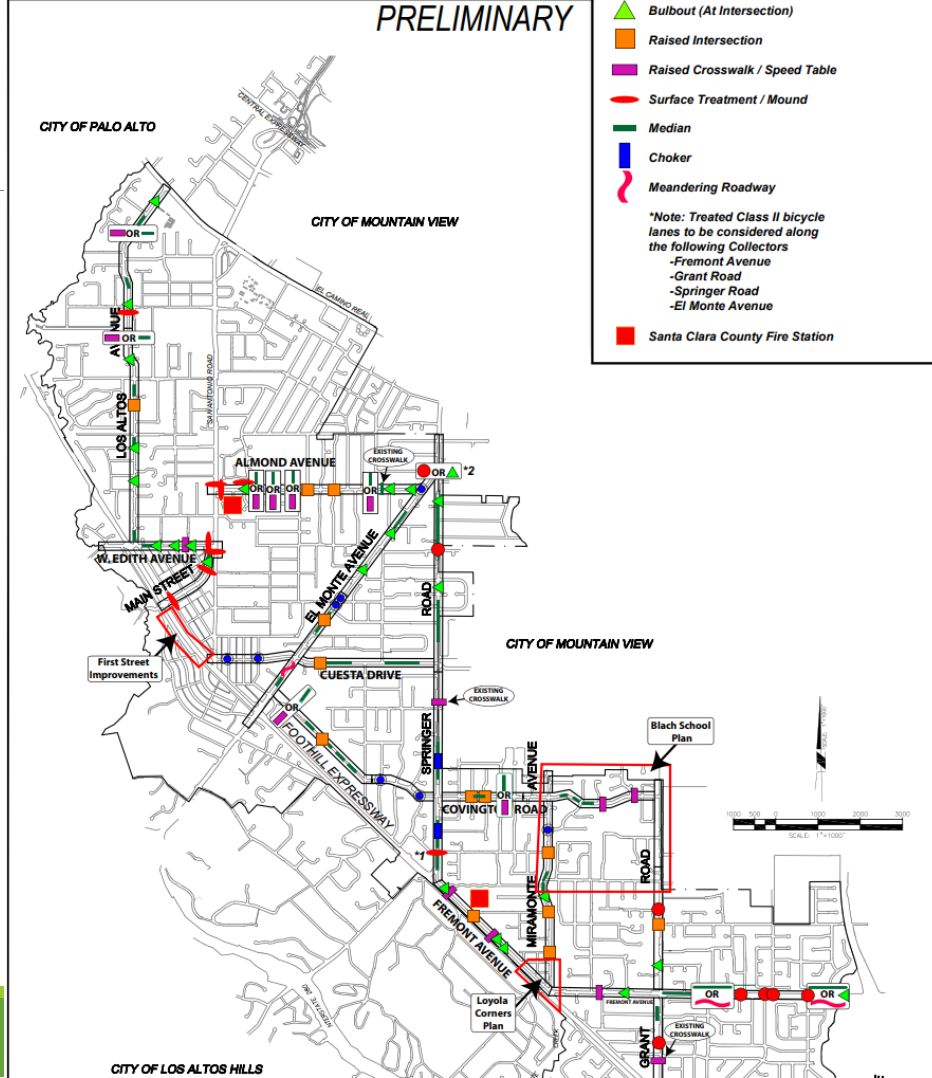
Recommendation

Recommend approval of refined design concept for traffic calming measures along Cuesta Drive, Arboleda Drive, and Campbell Avenue.

Questions?

Existing Policy Program Cuesta Drive

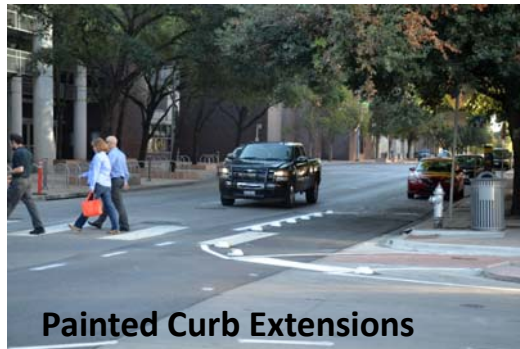
**Figure 2: Los Altos Collector
Traffic Calming Plan
Proposed Improvements Map**



Proposed Traffic Calming Measures Cuesta Drive

Cuesta Drive Design Elements:

- **Speed Tables**
Located at Midblock Locations
- **Visual Lane Narrowing**
Throughout Corridor
- **Painted Curb Extensions**
Potentially at Cuesta/Arboleda
- **Green Dashed/Conflict Striping**
Potentially Across Intersections



Proposed Traffic Calming Measures Arboleda Drive

Arboleda Drive Design Elements:

- **Speed Humps**
Located at Midblock Locations
- **Painted Curb Extensions**
Potentially at Arboleda Dr & Springer Rd

