

Comparison of Traffic Calming Program in Comparable Cities

Review of Neighborhood Traffic Calming Programs

- Reviewed recently adopted/modified NTCP in 8 comparable cities within the Bay Area
 - Mountain View
 - Cupertino
 - Campbell
 - Redwood City

- Fremont
- San Carlos
- Livermore
- Gilroy

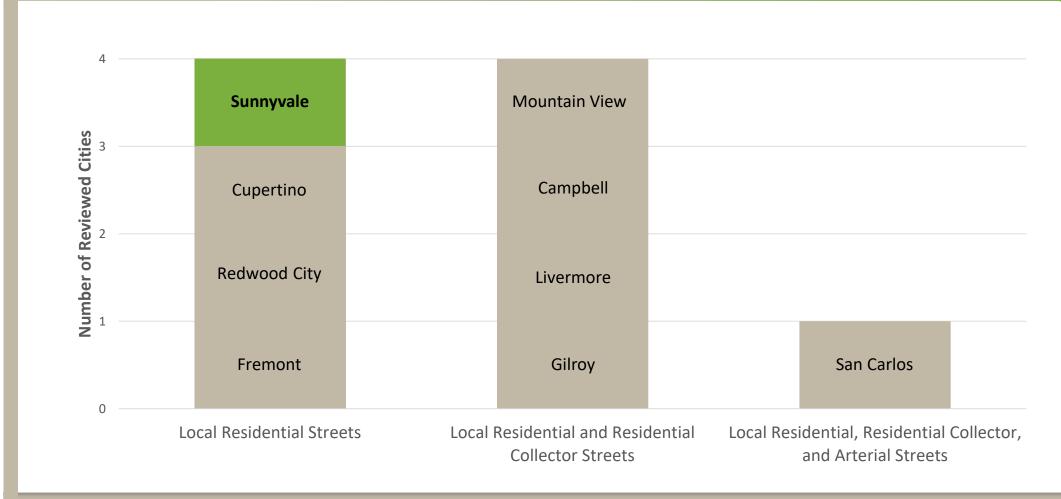




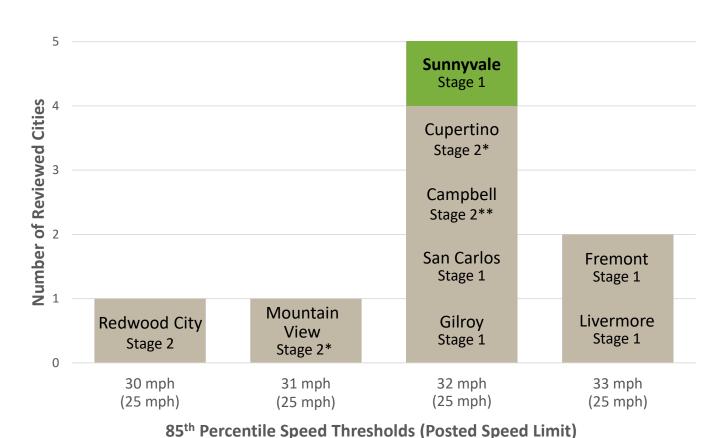


Funding & Prioritization

Qualifying Criteria – Roadway Classification



Qualifying Criteria – 85th Percentile Speed (Local Residential Streets)

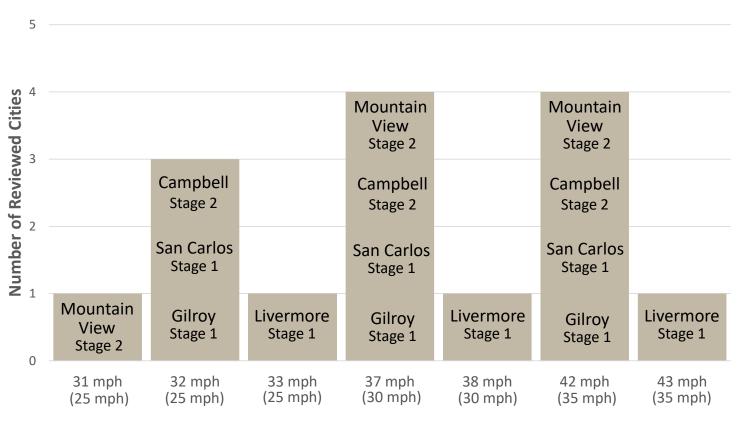


Sunnyvale - or 95th percentile speed > 35 mph

*Mountain View and Cupertino use 30 mph as threshold in school zones

** Campbell requires both speed and volume to exceed the threshold

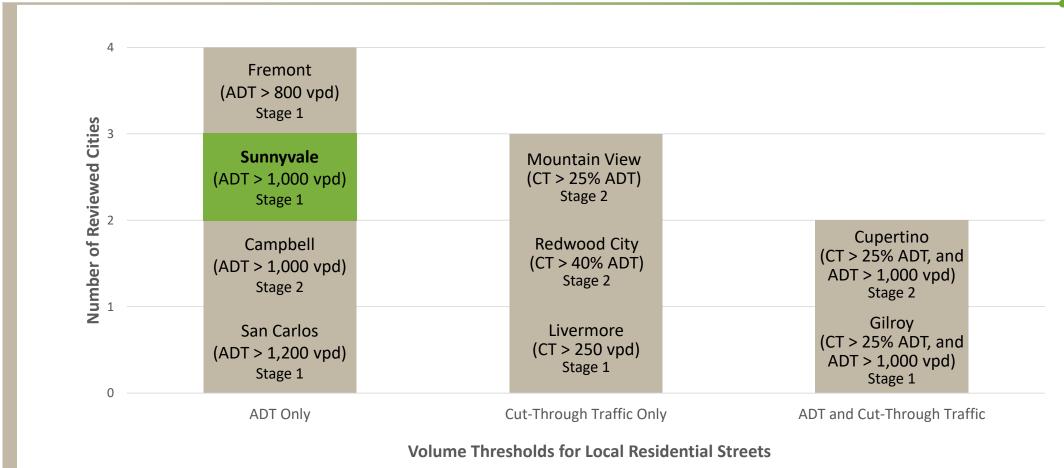
Qualifying Criteria – 85th Percentile Speed (Residential Collector Streets)



- Mountain View or 150 vehicles with speed > 85th percentile per day
- San Carlos uses same thresholds on Arterial Streets
- Gilroy or 70% traffic exceeds posted speed limit

85th Percentile Speed Thresholds (Posted Speed Limit)

Qualifying Criteria – Volume (Local Residential Streets)



Qualifying Criteria – Volume (Residential Collector Streets)



- San Carlos uses ADT > 13,000 vpd as threshold for Arterial Streets
- Gilroy only uses speed threshold for Residential Collector Streets

Traffic Calming Measures Included in Reviewed City's NTCPs

Measure	Sunnyvale	Mountain View	Cupertino	Campbell	Redwood City	Fremont	San Carlos	Livermore	Gilroy
Non-Physical Measures (Stage 1)									
Radar Speed Trailer Deployment	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ
Traffic Enforcement Action	Χ			X	Х	Χ	X	Χ	Χ
Traffic Sgining and Pavement Marker	Χ	Χ	X	Χ	X	Х	Χ	Χ	Х
Community Outreach/Education				X		X	Χ	Χ	Χ
Physical Measures (Stage 2)									
Vertical Deflection									
Speed Hump	X	Χ	Χ	X	X		Χ		
Speed Cushion/Lump	Х					Χ	X	Χ	Х
Speed Table/Raised Crosswalk	Χ	Χ	Χ		X	X	X	Χ	
Raised Intersection		Χ							
Horizontal deflection									
Traffic Circle	Χ	X	X	Χ	X	X	X	X	X
Roundabout	Χ	У _Х	X				X	Χ	Х
Street Width Reduction									
Curb Extension/Choker/Chicane	Χ	X	X	Χ	X	X	X	X	X
Median Island	Х	Х	X	Х	X	Х	Х	X	Х
Routing Restriction									
Median Barrier, Forced Turn Island,	X	Х			Х		V		
Barrier, Channelization					^		X		
Diagonal Diverter	X	X			Х		Х		
One-Way Street	Х	Х					Х		
One-Way Choker, Half-Closure or Semi-Diverter	Х	Х					Х		
Street Closure and Cul-de-sac	X	Х							
Woonerf	Χ	X							

Comparison of Stage 1 Measures Implementation Process

Initiation

Eligibility

Implementation

Follow-up Data Collection

Petition Required:

Sunnyvale ≥ 50%

Redwood City 2 residents

Rest 1 resident

- Roadway classification
- 5 cities require data collection for thresholds evaluation
- 4 cities have no requirements if implementing signage and striping

- Implement if meets criteria
- San Carlos staff may use engineering judgement to proceed to Stage 2 if they feel Stage 1 will not work
- 5 cities conduct a follow-up data collection to determine effectiveness
- 4 cities do not require follow-up data

= Sunnyvale's process

Comparison of Stage 2 Measures Implementation Process

Initiation

Traffic Calming Study

Neighborhood Consensus

Approval

Petition Required:

Sunnyvale None*

Mountain View ≥ 10%

≥ 10% Cupertino

Campbell ≥ 50%

≥ 50% Redwood City

Fremont Staff

San Carlos > 50%

None* Livermore

Gilroy > 60%

*Not required if Stage 1 is not successful

- 1-2 neighborhood meetings
- Postcard surveys
- City-led design process
- Resident/City colead design process
- 4 cities requires data collection

- Sunnyvale requires ≥ 60% and 100% within 100 feet of device
- >50% to >70% support through neighborhood vote
 - Livermore 100% support from fronting home-owners
 - Gilroy >50% within 100 feet of device

- City Council approval only
- 2 cities -Commission approval then City Council approval

= Sunnyvale's process

Comparison of Stage 2 Measures Implementation Process (cont'd)

Prioritization

Funding

Test Period

Removal Process

- 4 cities first come first served
- 5 cities –
 prioritization
 per data
 collected/
 location

- General Fund
- Grants
- Private Funding
- Capital Improvement Program

- Permanent Installation
- 4 cities 9 to 12 months
- 4 cities do not have a process
- 4 cities petition to remove device
- Livermore requires the neighborhood to fully fund the removal cost

= Sunnyvale's process