

Welcome Residents of Dover Shores & Mariners Neighborhoods

Review of:
Traffic Calming Concepts

Civic Center Community Room
100 Civic Center Drive
Newport Beach, CA 92660
Thursday, September 12, 2019
6:30 PM



Study Area

Dover Shores & Mariners Neighborhoods

Meeting Objective:

Discuss Traffic Calming Concepts
Next Steps
Q&A



Quick Review

- L-26 Policy
- Two Town Hall Meetings
- Review of Existing Conditions
- Community Feedback
- Traffic Collision Reports
- Traffic Data Collection
 - ADT (Average Daily Traffic)
 - 24 Hour Speed Surveys (Weekday/Weekend)
 - Origin/Destination (License Plate Surveys)







Existing Conditions Dover Shores & Mariners Neighborhoods

Roadway Widths

Santiago Drive	40'
Polaris Drive	40'
Galaxy Drive south of Mariners Drive	40'
Galaxy Drive north of Mariners Drive	36'
Leeward Lane	36'
Windward Lane	36'
Holby Road	40'
Antigua Way	36'
Clover Drive	32'
Highland Drive	40'
Mariners Drive	40'
Tradewinds Lane	40'
Westhill Drive	36'
Northingham Road	40'
Commodore Road	40'



Existing
Traffic Control Signs

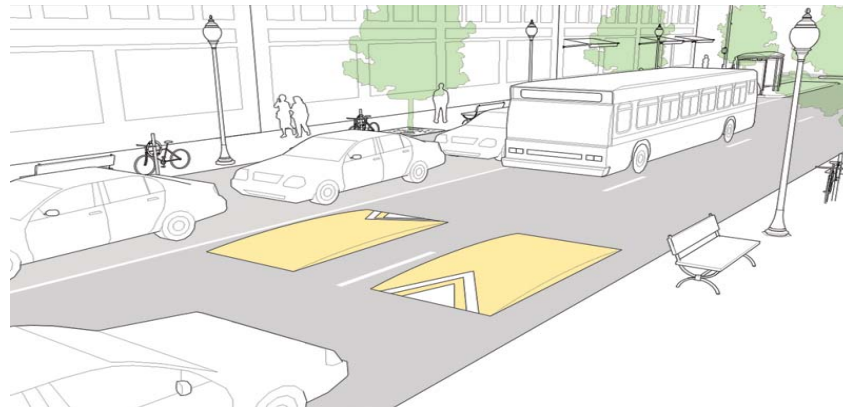
SIGN	QUANTITY
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Traffic Calming Features

1. Speed Cushions (Asphalt)

Vertical traffic calming device that consists of raised “humps” or “lumps” that are placed across the roadway laterally. There are gaps for wheels to pass between the raised areas. Passenger vehicles need to reduce speeds, whereas emergency vehicles (fire trucks, ambulance, etc.) can traverse the cushion without reducing speed.

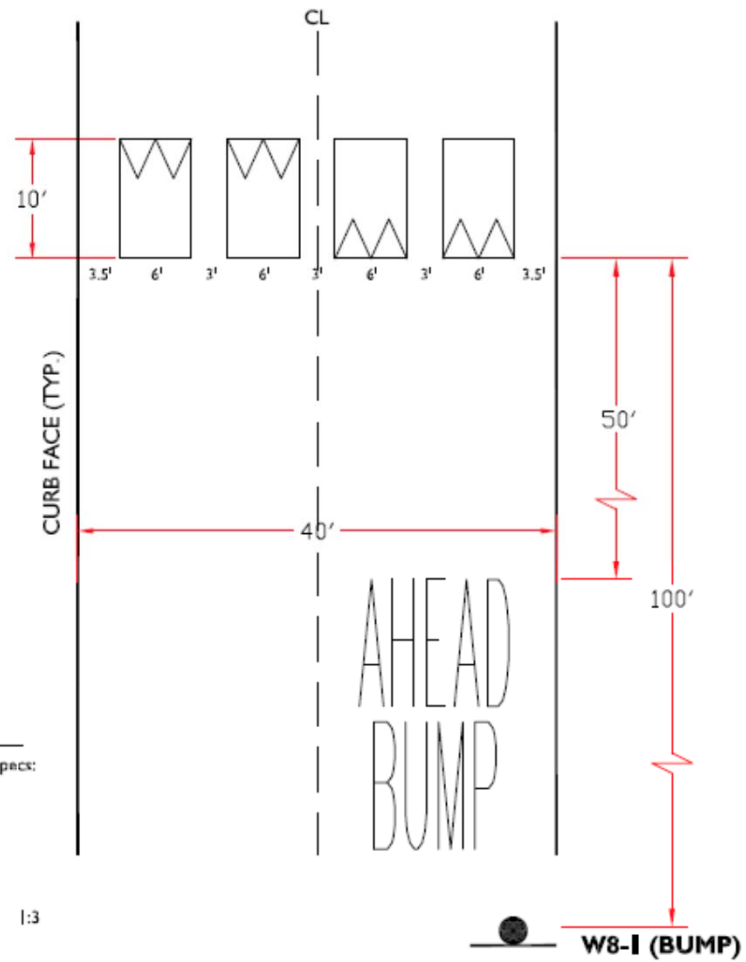


2. Roadway Striping

Provides a visual impression that the roadway width has been reduced, which has been shown to reduce vehicle speeds.

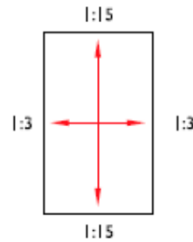


1. Speed Cushion Detail 40-Foot -Wide Street (i.e. Santiago)



Notes:

1. Speed Cushion Specs:



RATIO GRADIENTS
WITH 3" HEIGHT AT CENTER

* NOT TO SCALE
* NOT FOR CONSTRUCTION



Speed Cushion



Existing Speed Cushion Tustin Avenue

**Note: Future Speed
Cushions will be constructed
with asphalt as opposed to
rubber, to use the available
budget in a cost-effective
manner.**



Speed Cushion

PROS

- Reduces Vehicle Speeds
- Reduces Traffic Volumes
- Reduces Accidents
- Generally Supported by Residents
- Does not Remove Parking Spaces

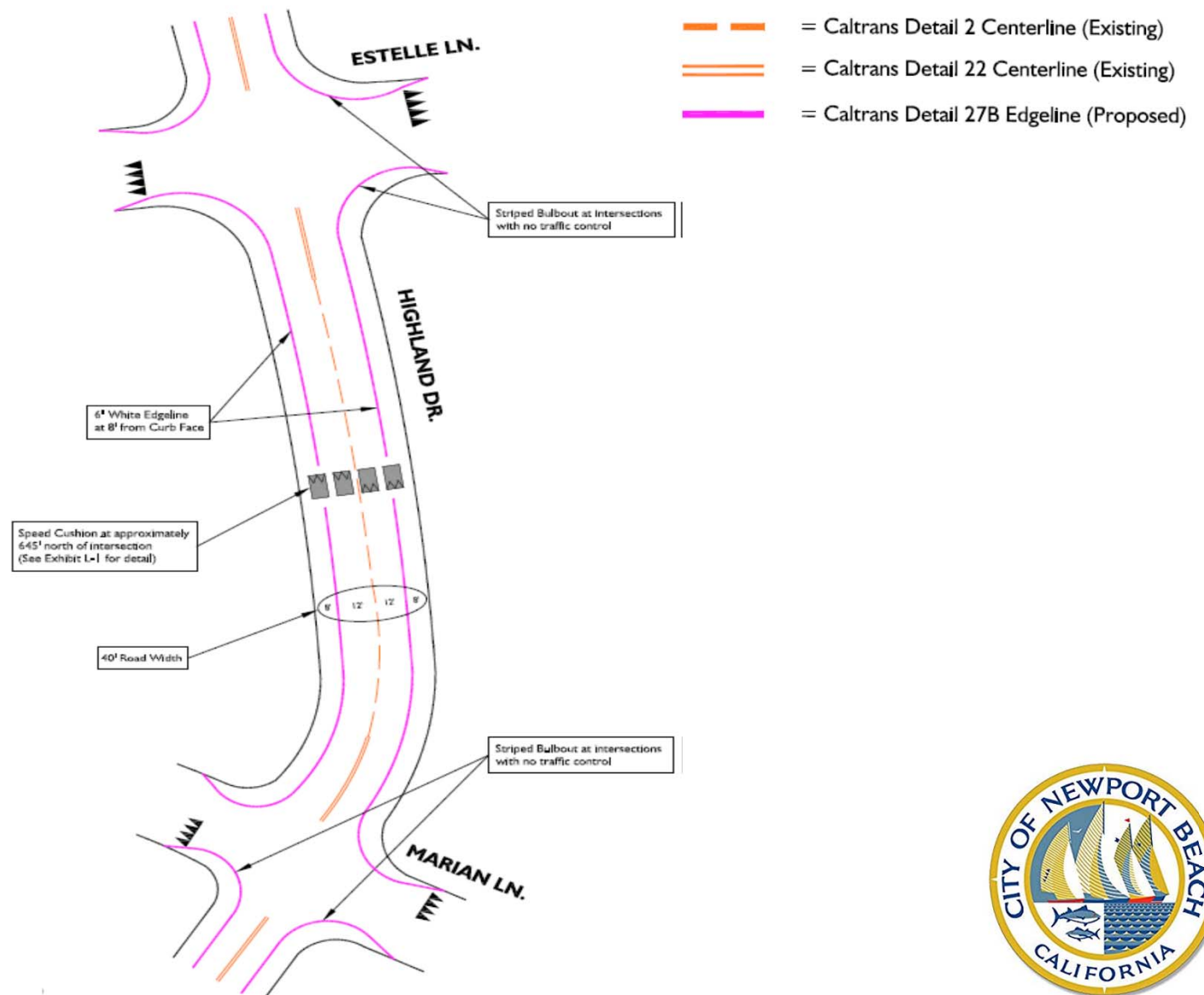


CONS

- May Cause Diversion of Traffic
- Requires Striping and Signage
- Construction/Maintenance Costs
- Increased Noise Levels
- Motorists Avoiding Cushions
May Deviate onto Shoulder
- May Impact Cyclists
- Possible Vehicle Damage



2. Roadway Striping Detail



Roadway Striping

PROS

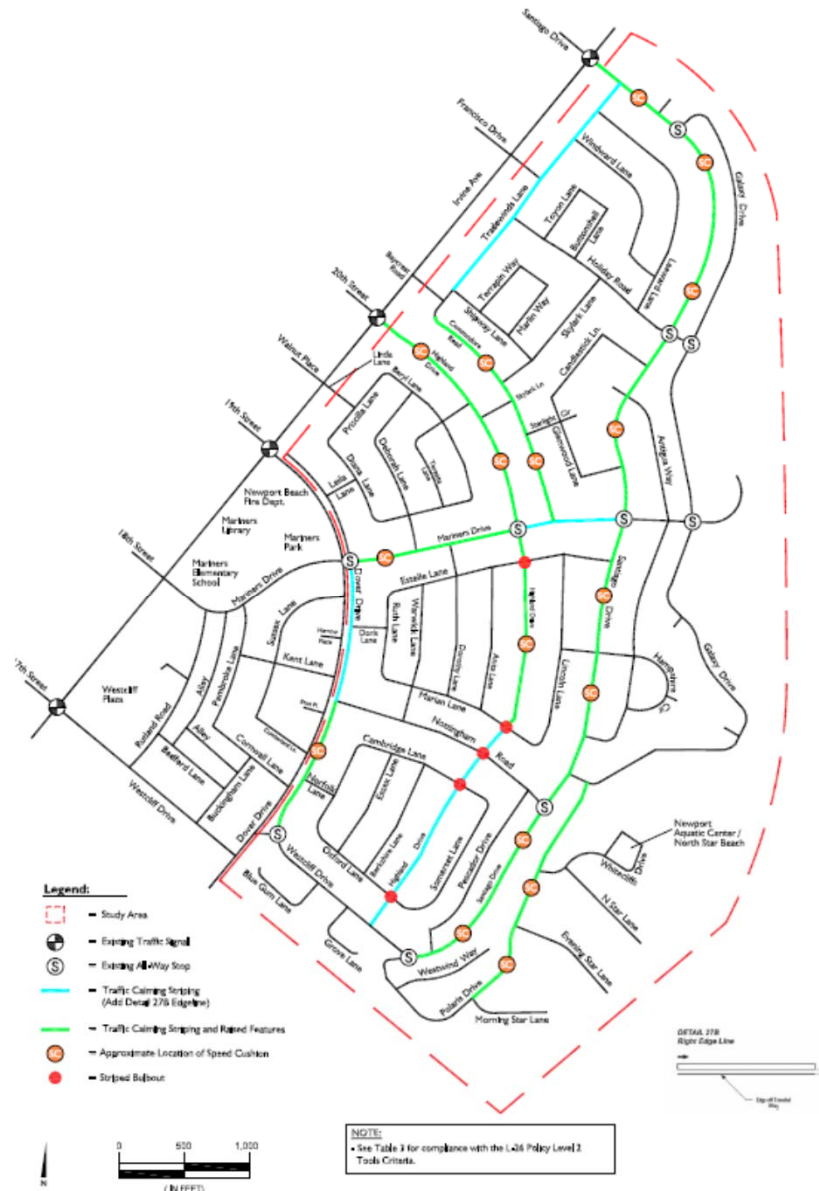
- Improves Vehicle Position
- Provides Continuous Information
- Can Reduce Vehicle Speeds
- Low Cost Construction/Maintenance
- Does Not Impact Emergency Response Times
- Reduces Accidents

CONS

- Driver Compliance Not 100%
- May Not Be Aesthetically Pleasing
- Maintenance Costs



Area-Wide Preliminary Conceptual Improvements Based on the L-26 Policy



Next Steps

1. City to provide a **PETITION** to the designee(s) of community with a list of homes that will need to sign the petition. (Per L-26 Council Policy)
(Early October)
2. Community members will collect signatures from **70%** of residents on the roads where speed cushions will be implemented. (Per L-26 Council Policy)
(Estimated Mid-December)
3. At the same time, RK will complete the **FINAL TRAFFIC STUDY**.
(Mid-November)
4. Once the **PETITIONS** are signed and the **TRAFFIC STUDY** is complete, city staff will present these items to the City Council for approval.
5. After City Council approval of the **TRAFFIC STUDY**, staff will send out a **BID TO CONTRACTORS** for improvements, with the final **BID RESULTS** presented to City Council for approval.
(Spring 2020)

