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
## Existing Traffic Control Signs

<table>
<thead>
<tr>
<th>SIGN</th>
<th>QUANTITY</th>
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<tbody>
<tr>
<td>STOP</td>
<td>30</td>
</tr>
<tr>
<td>STOP ALL WAY</td>
<td>35</td>
</tr>
<tr>
<td>YIELD</td>
<td>12</td>
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<tr>
<td>SPEED LIMIT 25</td>
<td>50</td>
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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)
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
**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
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)