State Road 79
From Front Beach Road (SR 30)
To Back Beach Road (SR 30A)
Existing Condition
Improvement Goals

- Provide acceptable Levels of Service for motorists through the design year 2023
- Include dedicated Transit/Bicycle lanes
- Accommodate Safe Pedestrian movements
- Improve Access Management
- Minimize Business impacts
- Constructability & Maintenance of Traffic
- Provide landscape and hardscape amenities
- Design to minimize construction phasing and time
- Develop Permittable Stormwater management facilities that minimize parcel impacts
- Minimize Construction costs
“T” Intersection Concept
Treatment Only
“T” Intersection Concept
Discharge After 25-yr 24-hr Storm Event
Roundabout Concept
Discharge After 25-yr 24-hr Storm Event
<table>
<thead>
<tr>
<th>Parameter</th>
<th>“T” Intersection</th>
<th>Roundabout</th>
</tr>
</thead>
<tbody>
<tr>
<td>Levels of Service through 2023</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Access Management</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Pedestrian Safety &amp; Control</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Dedicated Transit/Bicycle Accommodations</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Accommodate Emergency Vehicles</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Driver Expectations and Consistency with local design</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Constructability / MOT</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Parcel Impacts</td>
<td>☑</td>
<td></td>
</tr>
<tr>
<td>Green Space</td>
<td>☑</td>
<td>☑</td>
</tr>
<tr>
<td>Relative Construction Costs</td>
<td>☑</td>
<td></td>
</tr>
</tbody>
</table>
Existing Outfalls

CULVERT (B-108)

CULVERT (B-106)

LULLWATER LAKE
Recommendations

- We recommend moving forward with the “T” Intersection Design Concept and ask for CRA and City concurrence.

- Design of the outfall to Lullwater Lake will be required in order to construct the project. In addition, improvements to the outfall structure is anticipated. As a result, we will need to address these items in the reevaluation and include them in design.

- The design and construction phasing of Front Beach Road from the Lullwater Lake outfall or from a point east of that location should be constructed concurrently, if possible, with the SR 79 intersection project.
QUESTIONS ?