Update on Interstate 405 Improvement Project from Interstate 5 to State Route 55

Presentation to:
Citizens Advisory Committee
Bicycle/Pedestrian Subcommittee

December 12, 2017
• Project L in Measure M2 plan
• Average daily traffic is expected to grow 15 percent from 254,000 to 291,000 by 2050
• Adds new lanes, generally within existing right-of-way
Comparison of Alternatives

Alternative 1 – No Build:
Existing: 1 high-occupancy vehicle (HOV) lane and four general purpose (GP) lanes in each direction

Alternative 2:
One HOV lane, five GP lanes, and one auxiliary lane in each direction

Alternative 3:
One HOV lane and six GP lanes in each direction
## Traffic Benefits

### Average Daily Traffic Volumes

<table>
<thead>
<tr>
<th></th>
<th>I-405 South</th>
<th>2050 – Alt 1 (No build)</th>
<th>2050 – Alt 2</th>
<th>2050 – Alt 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northbound</td>
<td>Existing</td>
<td>128,070</td>
<td>142,718</td>
<td>148,309</td>
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<tr>
<td>Southbound</td>
<td>Existing</td>
<td>125,379</td>
<td>148,466</td>
<td>152,249</td>
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<tr>
<td>Total</td>
<td>Existing</td>
<td>253,749</td>
<td>291,184</td>
<td>300,558</td>
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</table>

### I-405 Freeway Mainline Average Speed (mph) *

<table>
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<tr>
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<th>Peak Hour – 2050</th>
<th>Alternative 1 – No Build</th>
<th>Alternative 2</th>
<th>Alternative 3</th>
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<tr>
<td>Northbound</td>
<td>AM</td>
<td>37</td>
<td>51</td>
<td>53</td>
</tr>
<tr>
<td></td>
<td>PM</td>
<td>40</td>
<td>51</td>
<td>54</td>
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<tr>
<td>Southbound</td>
<td>AM</td>
<td>46</td>
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<tr>
<td></td>
<td>PM</td>
<td>45</td>
<td>55</td>
<td>57</td>
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</table>

* Area of GP lane addition from State Route 133 to Jamboree Road
Existing Bikeways

I-405 Project - Bikeways

San Diego Creek South Class I Bikeway
Bike/Ped Safety Features

Potential Bike-Ped safety features included in Draft Project Report:

- Striping modifications to provide continuous bike lane markings
- Bike detection equipment
- High visibility crosswalks
- Advanced pedestrian crossing signs and pavement markings

Potential Locations:

1. I-405/Irvine Center Drive (ICD) Interchange
2. I-405/Shady Canyon Drive/Sand Canyon Avenue Interchange
3. I-405/University Drive/ Jeffrey Road Interchange
4. I-405/Culver Drive Interchange
Bike/Ped Impacts

- Temporary impacts anticipated to the existing Class I Bikeways during construction.
- Further coordination with the City of Irvine and the County of Orange during the design phase of the project.
**Public Noticing and Outreach**

**GET INVOLVED**

**COMMENT DEADLINE: DEC. 15, 2017**
Written comments submitted during the public review period will be reviewed and considered in the selection of the preferred alternative. Comments will be recorded and responded to within the final environmental document, and responses will not be sent directly to respondents. Responses will be released in mid-2018.

**Submit:** comment card in comment box
**Express:** to the court reporter
**Email:** D12.405-South-Improvement-Project@dot.ca.gov
**Mail:** Scott Shelley, Caltrans District 12, Division of Environmental Analysis, 1750 4th Street #100, Santa Ana, CA 92705

**STAY CONNECTED**

**LEARN MORE ONLINE**
- octa.net/oc405south
- www.dot.ca.gov/d12/DEA/405/0K710

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- @oc405south

**CALL THE PROJECT TEAM**
- (714) 560-5777
<table>
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<tr>
<th>Environmental Phase</th>
<th>2014</th>
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<th>2016</th>
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<th>2018</th>
<th>2019</th>
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