Orange Line BRT Improvements
Metro Technical Advisory Committee
November 1, 2017
Measure M Ballot Measure

• New ½ cent sales tax – No sunset
• $120 billion over first 40 years
• 40 major transit and highway projects in 40 years
• 71.15% approval by LA County voters
# Measure M Transit Projects in San Fernando Valley

<table>
<thead>
<tr>
<th>Project</th>
<th>Groundbreaking Start Date</th>
<th>Expected Opening Date (3 year range)</th>
<th>Measure Funding (2015 $ in millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orange Line BRT Improvements</td>
<td>FY 2019</td>
<td>FY 2025-27</td>
<td>$286</td>
</tr>
<tr>
<td>Not to preclude future rail</td>
<td></td>
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<tr>
<td>North San Fernando Valley BRT Improvements</td>
<td>FY 2019</td>
<td>FY 2023-25</td>
<td>$180</td>
</tr>
<tr>
<td>North Hollywood to Pasadena Corridor</td>
<td>FY 2020</td>
<td>FY 2022-24</td>
<td>$27 (San Fernando Valley)</td>
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<td></td>
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<td></td>
<td>$240 (Arroyo Verdugo)</td>
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<tr>
<td>East San Fernando Valley Transit Corridor</td>
<td>FY 2021</td>
<td>FY 2027-29</td>
<td>$810</td>
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<tr>
<td>Van Nuys Blvd.</td>
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<tr>
<td>Sepulveda Pass Transit Corridor Phase 1</td>
<td>FY 2024</td>
<td>FY 2026-28</td>
<td>$130 (San Fernando Valley)</td>
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<td></td>
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<td>$130 (Westside)</td>
</tr>
<tr>
<td>Sepulveda Pass Transit Corridor Phase 2</td>
<td>FY 2024</td>
<td>FY 2033-35</td>
<td>$1,270 (San Fernando Valley)</td>
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<td></td>
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<td>$1,270 (Westside)</td>
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• APPROVED the findings and recommendation resulting from the Orange Line Bus Rapid Transit Improvements Technical Study; and

• APPROVED advancing Orange Line Bus Rapid Transit Improvements into the public engagement, environmental review and engineering design concurrent processes; and

• APPROVED amendment to continue study of the original 5 grade separations and added Balboa and Laurel Canyon for a total of 7 potential grade separations.
- Grade separation Sepulveda – Van Nuys
- Four quadrant gating all other intersections
- Closure of one minor street
- Bike/pedestrian path grade separation of Sepulveda and Van Nuys
Additional Grade Separations for Study
Gating
- Provides the highest benefit for the least cost
- Provides an equitable distribution of safety improvements along the busway

Grade separations of major arterial roadways
- Good safety improvement but financially infeasible to spread safety benefits across the entire corridor
- Did not achieve the hoped-for benefit in time savings

Effect on roadway cross traffic travel times
- Ranges from minimal to improved
- Further study and coordination with LADOT ongoing
## Recommended Alternative

<table>
<thead>
<tr>
<th>Segment</th>
<th>Performance Metrics</th>
<th>Cost (2017 $)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>East-West Segment</strong> (North Hollywood to Canoga)</td>
<td>-12 min</td>
<td>$273 M</td>
</tr>
<tr>
<td><strong>North-South Segment</strong> (Canoga to Chatsworth)</td>
<td>-3 min</td>
<td>$10 M</td>
</tr>
<tr>
<td><strong>Entire Corridor</strong> (North Hollywood to Chatsworth)</td>
<td>-16 min</td>
<td>$283 M</td>
</tr>
</tbody>
</table>
About Gating

- Gates approved as a traffic control device
- Same as LRT gates
- Regulatory approval may be required for BRT
- Discussion with regulatory agencies to occur
- Each gated intersection is about $\frac{1}{100}$ the cost of a grade separation structure
Community Meetings

North Hollywood
Wednesday, November 29, 2017, 6-8pm
Miércoles, 29 de noviembre de 2017, 6-8pm
North Hollywood Recreation Center - Senior Building
11430 Chandler Bl
North Hollywood, CA 91601
Intérprete en español

Van Nuys
Saturday, December 2, 2017, 10am-12pm
Sábado, 2 de diciembre de 2017, 10am-12pm
Marvin Braude Constituent Center
6262 Van Nuys Bl
Van Nuys, CA 91401
Intérprete en español

Canoga Park
Thursday, November 30, 2017, 6-8pm
Jueves, 30 de noviembre de 2017, 6-8pm
Rose Goldwater Community Center
21710 Vanowen St
Canoga Park, CA 91303
Intérprete en español

Thursday, December 7, 2017, 6:30pm
Live webinar:
tinyurl.com/MetroOrangeLine
Next Steps

- Initiate environmental clearance and public outreach
- Initiate preliminary engineering
- Measure M Groundbreaking: 2019
- Open for Service: 2025