Next stop: Orange Line Improvements.

Community Open Houses
November 29 – December 7, 2017
Community Open House Agenda

6:00 PM  Open House

6:30 - 7:30 PM  Presentation and Q&A

7:30 - 8:00 PM  Open House

*Resumes after the presentation and Q&A*

Thank you for your participation!
Purpose of Today’s Meeting

> Introduce and provide brief summary of the Project

> Generate public awareness

> Summary of next steps

> Interactive discussion
  > Open House
  > Question and Answer
  > Write down your comments
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>
</tr>
</thead>
<tbody>
<tr>
<td>Orange Line BRT Improvements</td>
<td>FY 2019</td>
<td>FY 2025-27</td>
</tr>
<tr>
<td>North SFV BRT Improvements</td>
<td>FY 2019</td>
<td>FY 2023-25</td>
</tr>
<tr>
<td>North Hollywood to Pasadena Corridor BRT</td>
<td>FY 2020</td>
<td>FY 2022-24</td>
</tr>
<tr>
<td>East SFV Transit Corridor - Van Nuys Blvd.</td>
<td>FY 2021</td>
<td>FY 2027-29</td>
</tr>
<tr>
<td>Sepulveda Transit Corridor (two phases)</td>
<td>Phase 1 FY 2024</td>
<td>Phase 1 FY2026-28</td>
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<tr>
<td></td>
<td>Phase 2 FY 2024</td>
<td>Phase 2 FY2033-35</td>
</tr>
<tr>
<td>Orange Line Conversion to Rail</td>
<td>FY 2051</td>
<td>FY 2057</td>
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</table>
Orange Line BRT Improvements

> Measure M Project Description:
  > “Orange Line BRT Improvements”
  > “Critical grade separation(s) will be implemented early through Operation Shovel Ready”

> Project Schedule
  > Phase 1: BRT Improvements
    > Groundbreaking in 2019
    > Opening in 2025
  > Phase 2: BRT Conversion to LRT
    > Groundbreaking in 2051
Orange Line BRT Improvements

- Opened in 2005
- Extension to Chatsworth in 2012
- 26,000 daily boardings (weekdays); 92 million boardings since 2005 (including weekends)
- Regional connections; 12-mile, Class I, bike/pedestrian path
Orange Line BRT
Transit Connectivity

- Metrolink Ventura Line
- Metro Red Line
- Commuter Express (LADOT)
- Metro Bus Rapid Line
- Burbank Bus
- Santa Clarita Transit
- Antelope Valley Transit (AVTA)

Future Connections

- East SFV Transit Corridor
- Sepulveda Transit Corridor
- North SFV BRT
- North Hollywood to Pasadena BRT
Project Goals and Objectives

> Reduce travel times and delays at intersections
  > Improve operating speeds for buses

> Enhance Safety
  > Reduce conflicts between Orange Line buses, vehicles, bicyclists, and pedestrians
Current Operational Issues

> **Safety**
>  > Right-turn-on-red violations
>  > Red light photo enforcement at 25% of intersections
>  > (4,000 – 5,000 monthly violations)
>  > 23 collisions (2015-2016)

> **Travel Time**
>  > 50-55 minutes for 18 miles, from Chatsworth to North Hollywood (during PM peak end-to-end)
Opportunities for BRT Improvements

- Grade Separations
- Railroad-Type Gating System
- Bicycle/Pedestrian Access Improvements
Grade Separation Examples

Orange Line Busway – Chatsworth

Expo Line – Sepulveda Station
Railroad-Type Gating System Examples

- Gold Line - South Pasadena (Mission/Meridian)
- Metrolink – Near Glendale
- Gold Line – Heritage Square

- Seen in typical rail crossings
- Innovative application to busway crossings
- Regulatory approval may be required
- Coordination with LA City
Bicycle/Pedestrian Access Improvements

> Maintain access to pedestrian/bike path
Technical Study

13 month study completed in October 2017

- Technical Investigations
  - Grade separations/concepts
  - Feasibility of minor street closures
  - Signal Priority Technology
  - Railroad-Type Gating analysis
  - Field investigations

- Ridership Estimates

- Preliminary Cost Estimates
Recommended Improvements

• 1-mile grade separation - Sepulveda to Van Nuys
• Railroad-type gating at 34 intersections
• Closure of Tyrone Avenue
• Bike/pedestrian path grade separation of Sepulveda and Van Nuys
Potential Benefits of Recommended Improvements

Entire Orange Line Corridor
(North Hollywood to Chatsworth)

<table>
<thead>
<tr>
<th>Improvement / Benefit</th>
<th>Gates + Grade Separation from Van Nuys to Sepulveda</th>
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<tbody>
<tr>
<td>BUS TRAVEL TIME REDUCTION</td>
<td>-16 min (avg. 40% reduction)</td>
</tr>
<tr>
<td>RIDERSHIP</td>
<td>+10,100 (approx. 39% increase)</td>
</tr>
<tr>
<td>SAFETY</td>
<td>Improve safety for buses, cars, pedestrians and bicyclists at gated crossings</td>
</tr>
</tbody>
</table>
Grade Separation Rendering –
Orange Line Sepulveda Crossing

Conceptual rendering; subject to change
Gating Rendering – Orange Line De Soto Crossing

Conceptual rendering; subject to change
Project and Community Issues for Further Study

- Bus detours during construction
  - Maintain safe and efficient service
  - Maintain convenient passenger access and connections

- Bike/Pedestrian Access During Construction
  - Ensure safe access and mobility

- Railroad-Type Gates
  - Potential delay impacts for vehicles waiting for gates
  - Noise concerns from gate systems

- Station Design and Convertibility to Light Rail Transit (LRT)
  - Side platform vs. center platform (cost and operating characteristics)
  - Platforms extended to LRT length
  - Platforms, canopies and escalators would be modified for future LRT

- Bike/Pedestrian Crossings
  - Preserve existing signalized timing for bike and pedestrians to maintain safe walk routes and access to residences, businesses, schools and houses of worship
Complementary Initiatives

> **New Electric Buses**
  > Replace Metro Orange Line buses with zero-emission buses and charging stations by 2020
  > Quieter and smoother ride
  > Improved air quality

> **More Advanced Bus Signal Communications Technology**
  > Provide real-time signal information to bus operators
Station Access & Community Integration

- Station Design & Busway Design
- Pedestrian & Bicycle Access
- Transit Network Connections
- Passenger Pick-Up/Drop-off
- Transit Parking
North Hollywood Joint Development Site

- Developer, Trammell Crow Company, selected based on 2015 Development Guidelines

- Project includes:
  - A new mixed-use development that will transform the area
  - New integrated transit center
  - Central square and community gathering space
  - Replacement transit parking

More project information coming in 2018 – stay tuned!
Pedestrian & Bicycle Access

- Study to:
  - Identify key access routes
  - Plan specific improvements for pedestrians and bicycle riders

- Improvements are implemented as part of the project for new/relocated stations

Most riders access Metro stations without a car
What Happens Next?

> **Early/Mid 2018**
  > Continue community engagement
  > Perform technical/environmental analysis
  > Refine design concepts
  > Coordinate with LA City

> **Mid/Late 2019**
  > Construction Groundbreaking
Community Open Houses
Nov. 29 – Dec. 7

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
Intérprete en español
We Want to Hear From You

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Thank You!