Los Angeles Metro
Measure M
Rail Program

Rick Meade, P.E.
Sr. Executive Officer, L.A. Metro
COVID 19 IMPACTS: CEO Call to Action

First Bucket: Work to Continue

- COVID-19 additional Expense, PPE, Cleaning
- Legally required payments
- Federal and state regulatory required activities
- Bus and Rail Operations
- Key Infrastructure Projects
- Projects under executed construction or manufacturing contract

Second Bucket: All Other Projects and Programs not specified in the First Bucket are currently being evaluated with the objective of staying on Measure M Schedule

- Defer for 3-6 months
COVID-19 Impacts – Ongoing Construction

• Construction proceeding as an essential service
• Safety protocols required and monitored
• Metro tracks positive cases with follow-up including cleaning, contact tracing and self-quarantine
• We have received some notification of impacts
• Each impact claim assessed consistent with contract (i.e. force majeure)
COVID-19 Financial Impacts

- Program Management FY21 budget reduced by $900M
- Remaining FY21 budget is $1.5B
- Ongoing construction projects fully funded and will be completed on schedule (Bucket 1)
- Planning and design to advance toward shovel ready status (Bucket 2)
- Seeking Federal and state funding to keep projects on schedule
CEO Call to Action: First Bucket Defined

First Bucket: Projects Under Construction - Work to Continue (Partial List)

- Crenshaw/LAX
- Division 20 Portal Widening Regional Connector
- Purple Line Extension Phases 1, 2 and 3
- Regional Connector
- Airport Metro Connector
- Gold Line Foothill Extension
- I-5 North HOV and I-5 South HOV
- Link US (Phase 1)
- Patsaouras Bus Plaza
- Soundwall Package
- SR-138 Corridor project
- Willowbrook/Rosa Parks Station
CEO Call to Action: Second Bucket Defined

Second Bucket: All other projects currently being evaluated with the objective of staying on Measure M Schedule

- Planning projects environmental phase
- Planning projects conceptual design phase
- Partially grant funded projects
- Program Management project PE phase
- Highway projects
- Regional Rail projects
- Measure M/Non-Measure M projects being accelerated
- State of Good Repair projects
Four Pillar Projects + One

- East San Fernando Valley Corridor
- West Santa Ana Branch LRT (P3)
- Sepulveda Transit Corridor (PDA) (P3)
- Green Line LRT Extension
- Eastside Gold Line LRT Extension
ESFV Transit Corridor (Design-Build)

Alignment

- 9 miles, 14 Stations
- 7 miles of Street Running
- $1.6B Estimate

Timeline

- PE currently at 30%
- Release RFQ/RFP Design/Build 2021
- Begin construction 2022

All schedules subject to change
ESFV Transit Corridor (Design-Build)

Crossings
- 40 At-Grade Crossings
- Train control synchronization with traffic signal system

Utilities
Relocate utilities:
- 74 overhead power lines.
- Potential undergrounding of selected lines
- Relocation of Storm Drains

Metro®
System Connections

- Connections Sepulveda and Orange Line BRT
- Shared Corridor with Freight and Commuter Rail
- Maintenance Facility Storage for 60 Vehicles
West Santa Ana Branch (P3)

Alignment
- 19 miles, 12 stations, 5 Park & Rides
- 4 Alternatives in Draft EIS/EIR

Project Readiness
- Enabling Works
  - Third Party Agreements
  - Freight Interface (10 miles)
  - 11 Cities
- Advance Utility Relocation & Geotechnical Explorations
  - Exploring P-3 Delivery
West Santa Ana Branch (P3)

Key Milestones

- Draft EIS/EIR Release: Early 2021
- LPA Selection: Mid 2021
- P3 RFQ: Following LPA Selection
- Final EIS/EIR Certification: Late 2021
- ROD Issued: Late 2021
- P3 RFP: Following ROD
- Groundbreaking: 2023

All schedules subject to change
The Sepulveda Transit Corridor will connect the San Fernando Valley to Westside and LAX

- I-405 is among the most congested freeways in the nation
- Over 400,000 trips travel through the Sepulveda Pass each weekday
- Travel times are highly variable
- Limited options for Valley-Westside travel
- Less than 2 percent of trips in Sepulveda Pass are made by transit
PDA Approach

- Private sector participation project definition/environmental phase
- Early contractor involvement will facilitate innovative and affordable transit solutions
- PDA assures proposed solutions are cost-effective over the life of the project
- Development and construction schedule acceleration
PDA Approach

• Metro may select up to two PDA Contractors

• PDA Contractors will provide technical work and engineering for their proposed concept

• Parallel environmental review and approval process by Metro
Early Planning and Procurement

2017-2021
Metro conducts Feasibility Study of transit service between San Fernando Valley and LAX.

Metro issues requests for proposals and selects contractors for environmental, outreach, and up to two Pre-Development Agreement (PDA) teams.

Pre-Development Agreement and Environmental Review

2021-2025
PDA teams develop project alternatives optimized for public-private partnership (P3) delivery.

Metro conducts state and federal environmental studies.

Project alternatives are refined through feedback with environmental process.

Metro identifies a Locally Preferred Alternative (LPA).

Engineering for LPA advances.

Public-Private Partnership

2025
Metro issues request for P3 proposal for LPA delivery.
Green Line Extension (DB)

Project Status*

• 4.5 Mile LRT connecting Redondo Station to Regional Transit Center in Torrance
• Approx. $900M, Design-Build Delivery
• EIR 2020 - 2023, Environmental/ACE with an option for PE
• Engineering 2022 - 2025
• Construction 2025 – 2030**

*All schedules subject to change
**Project identified for acceleration

Metro
Eastside Extension (DB)

Project Status

• ACE and Environmental
• 9 miles LRT (underground, aerial and at-grade)
• Measure M identifies $3B for Cycle 1
• Expected operating date 2035
• Possible acceleration strategy for 2028
• Project delivery method still to be determined

All schedules subject to change
ESFV + Pillar Projects Measure M Baseline Schedules

<table>
<thead>
<tr>
<th>Project</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
<th>2026</th>
<th>2027</th>
<th>2028</th>
</tr>
</thead>
<tbody>
<tr>
<td>East San Fernando Valley</td>
<td>Final EIS/EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board certifies EIS/EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FTA issues ROD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Adv Utility/ROW/Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>West Santa Ana Branch</td>
<td>Draft EIS/EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board selects LPA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final EIS/EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board certifies EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FTA issues ROD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>P3 Procurement Process</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Green Line Extension to Torrance</td>
<td>Draft EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board selects LPA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board certifies EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eastside 2 LRT Extension</td>
<td>Draft Supplemental EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board selects LPA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Final EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board certifies EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sepulveda Transit Corridor</td>
<td>Board awards Environmental contract</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>EIS/EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board selects LPA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Board certifies EIR</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>FTA issues ROD</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>P3 PDA</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Construction</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Attachment C

Measure M Opening Dates 3-Year Window

- FY 2027 - 2029
- FY 2028 - 2030 (Initial Segment Board Selected LPA)
- FY 2041 - 2043 (Second Segment)
- FY 2030 - 2032
- FY 2035 - 2037
- FY 2033 - 2035 (Initial Segment)
- FY 2057 - 2059 (Second Segment)

Note: Schedules are subject to change based on funding and environmental review.
Thank you