## Metro Subregional Mobility Matrix

### Appendix D: Project Detail Matrix

#### San Fernando Valley

<table>
<thead>
<tr>
<th>ID</th>
<th>Project Description</th>
<th>Jurisdiction</th>
<th>Mobility</th>
<th>Safety</th>
<th>Sustainability</th>
<th>Economy</th>
<th>Accessibility</th>
<th>State of Good Repair</th>
<th>Categorization</th>
<th>Timeframe</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Reduce Travel Times</td>
<td>Increase Reliability</td>
<td>Improve System Connectivity</td>
<td>Reduce GHG Emissions</td>
<td>Improve Quality of Life</td>
<td>Accommodate Goods Movement</td>
<td>Integrate Transit Hubs</td>
<td>Serve Transit Dependent Populations</td>
</tr>
<tr>
<td>A2</td>
<td>Saticoy St: Build tunnel underneath Van Nuys Airport between Woodley St and Hayvenhurst Ave</td>
<td>LA</td>
<td>●</td>
<td>○</td>
<td>○</td>
<td>○</td>
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<td>○</td>
<td>◯</td>
<td>X</td>
</tr>
<tr>
<td>A3</td>
<td>Sepulveda Blvd: Widen tunnel at Mulholland Dr for added bike and traffic lanes</td>
<td>LA</td>
<td>●</td>
<td>◯</td>
<td>○</td>
<td>○</td>
<td>○</td>
<td>○</td>
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</tr>
</tbody>
</table>

#### Arterials

**Tunnel Projects**

A2  | Saticoy St: Build tunnel underneath Van Nuys Airport between Woodley St and Hayvenhurst Ave | LA                 | ●        | ○      | ○             | ○       | ○             | ○                    | □              | X        | X        |

**Grade Separation Projects**

A4  | Buena Vista St: Grade Separation at railroad tracks (Ventura County Line)           | Burbank, Metrolink | ●        | ●      | ○             | ●       | ○             | ○                    | ○              | X        |

A6  | Doran St: Grade separation at railroad tracks / San Fernando Rd                      | Glendale, Metrolink | ●        | ●      | ○             | ●       | ○             | ○                    | □              | X        |

A7  | Magic Mountain Parkway: Grade separation at railroad tracks / Railroad Ave         | Santa Clarita, Metrolink | ●        | ●      | ○             | ○       | ○             | ○                    | □              | X        |

A8  | Saticoy St: Grade separation at railroad tracks (between Van Nuys Ave and Woodman Ave) | LA, Metrolink      | ●        | ●      | ○             | ●       | ○             | ○                    | □              | X        | X        |

A9  | Sunland Blvd: Grade separation at railroad tracks / San Fernando Rd                 | LA, Metrolink      | ●        | ●      | ○             | ○       | ○             | ○                    | □              | X        | X        |

#### Extension or New Road Projects

A10 | Monterey Rd: Extend to Glenoaks Blvd over Verdugo Wash                              | Glendale           | ●        | ○      | ○             | ○       | ○             | ○                    | □              | X        |

A11 | Orange St: Extend over SR-134 between Doran St and Goode Ave                        | Glendale           | ●        | ○      | ○             | ●       | ○             | ○                    | □              | X        |

A12 | SR-134 Frontage Road: Construct 5 of freeway between Brand Blvd and Genevea St      | Glendale           | ●        | ○      | ○             | ○       | ○             | ○                    | □              | X        |

A13 | Magic Mountain Pkwy: Extend from Railroad Ave to Via Princessa                      | Santa Clarita, Metrolink | ●        | ○      | ○             | ○       | ○             | ○                    | □              | X        |

A14 | Via Princessa : Extend from Isabella Pkwy to Circle J Ranch Rd                      | Santa Clarita      | ●        | ○      | ○             | ○       | ○             | ○                    | □              | X        |

A15 | Dockweiler Drive: Extend from Vale del Oro to Railroad Ave                          | Santa Clarita, Metrolink | ●        | ○      | ○             | ○       | ○             | □                    | □              | X        |

A16 | Santa Clarita Pkwy: Construct new road from Bouquet Canyon Rd to SR-14              | Santa Clarita, Metrolink | ●        | ○      | ○             | ○       | ○             | □                    | □              | X        |

A17 | Saticoy St: Extend from Van Nuys Blvd to Woodman St                                 | LA, Metrolink      | ●        | ○      | ○             | ○       | ○             | □                    | □              | X        | X        |

A18 | Riverside Dr: Extend from Van Nuys Bl to Sepulveda Bl                               | LA, Metrolink      | ●        | ○      | ○             | □       | ○             | ○                    | □              | X        | X        |

A19 | Magnolia Bl: Extend from Hayvenhurst Av to Libbitt Av and Haskell Av to Sepulveda Bl | LA, Metrolink      | ●        | ○      | ○             | □       | ○             | ○                    | □              | X        | X        |

A20 | Oxnard St: Extend from Sepulveda Bl to Woodley Av (including I-405 Interchange)      | LA, Caltrans       | ●        | ○      | ○             | □       | ○             | ○                    | □              | X        | X        |

A21 | Sepulveda Bl: Extend from Rinald St to Rosford St                                   | LA, Metrolink      | ●        | ○      | ○             | □       | ○             | □                    | □              | X        | X        |

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March 11, 2015
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<tbody>
<tr>
<td>A22</td>
<td>Burbank: General Plan intersection improvements</td>
<td>Burbank</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
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<tr>
<td>A23</td>
<td>Santa Clarita: General Plan arterial improvements</td>
<td>Santa Clarita</td>
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<td>A24</td>
<td>Warner Center Specific Plan: Intersection and arterial improvements</td>
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<td>🔐</td>
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<td>🔐</td>
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<tr>
<td>A26</td>
<td>Glendale Ave: Add 1 NB lane from Doran St to SR-134</td>
<td>Glendale</td>
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<td>🔐</td>
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<tr>
<td>A27</td>
<td>Golden Valley Rd: Widen from Sierra Hwy to Centre Pointe Pkwy</td>
<td>Santa Clarita</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
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<tr>
<td>A28</td>
<td>Burbank Blvd: Widen from Cleon Av to Clybourne Av to provide 2 lanes in each direction.</td>
<td>LA</td>
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<td>🔐</td>
<td>—</td>
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<tr>
<td>A29</td>
<td>Victory Blvd: Widen WB from Canoga to De Soto Av</td>
<td>LA</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
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<tr>
<td>A30</td>
<td>Topanga Canyon Blvd: Widen to provide six through lanes all day between US-101 and SR-118</td>
<td>LA, Caltrans</td>
<td>🔐</td>
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<tr>
<td>A31</td>
<td>Chatsworth St: Widen from De Soto Av to Topanga Canyon Bl</td>
<td>LA, MetroLInk</td>
<td>🔐</td>
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<td>—</td>
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<tr>
<td>A32</td>
<td>Van Nuys Blvd: Improve capacity SB from Burbank Bl to US-101</td>
<td>LA</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
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<td>🔐</td>
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<tr>
<td>A33</td>
<td>Hayvenhurst Av: Widen from Magnolia Bl to Ventura Bl</td>
<td>LA</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
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<td>🔐</td>
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<tr>
<td>A34</td>
<td>Victory Blvd: Widen from White Oak Av to Sepulveda Bl</td>
<td>LA</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
<td>X X</td>
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<tr>
<td>A35</td>
<td>Osborne St: Widen for pedestrian safety and improved traffic capacity from Foothill Bl to San Fernando Rd</td>
<td>LA, MetroLInk</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
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<tr>
<td>A36</td>
<td>Foothill Blvd: Widen from Sierra Hwy to Balboa Bl</td>
<td>LA, Caltrans</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
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<tr>
<td>A37</td>
<td>Sepulveda Blvd: Widen from San Fernando Rd to Resford St, including access to I-5 SB on-ramp</td>
<td>LA, Caltrans, MetroLInk</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
<td>X</td>
</tr>
<tr>
<td>A38</td>
<td>Sierra Hwy: Add two lanes at intersection with San Fernando Rd (bridge over MetroLInk tracks)</td>
<td>LA, Caltrans, MetroLInk</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
<td>X X</td>
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<tr>
<td>A47</td>
<td>The Old Road: Widen The Old Road to provide continuous 4 lanes between Sierra Highway to north of Weldon Canyon Road in Santa Clarita.</td>
<td>LA, CA County, Caltrans, MetroLInk</td>
<td>🔐</td>
<td>🔐</td>
<td>—</td>
<td>🔐</td>
<td>🔐</td>
<td>🔐</td>
<td>X</td>
</tr>
</tbody>
</table>
## Mobility
- Reduce Travel Times
- Increase Reliability
- Improve System Connectivity

## Safety
- Improve Safety
- Reduce Mode Conflicts
- Improve Transit Safety/Security

## Sustainability
- Reduce GHG Emissions
- Improve Quality of Life
- Encourage Efficient Mode Share

## Economy
- Accommodate Goods Movement
- Reduce Number and Length of Trips
- Enhance Economic Output

## Accessibility
- Integrate Transit Hubs
- Serve Transit Dependent Populations
- Reduce Goods Movement Impact
- Balance Maintenance & Rehabilitation

## State of Good Repair
- Preserve Life of Facility or Equipment
- Increase Reliability
- Reduce Mode Conflicts
- Improve Quality of Life
- Reduce Number and Length of Trips
- Serve Transit Dependent Populations
- Reduce Goods Movement Impact
- Balance Maintenance & Rehabilitation

### ID | Jurisdiction | Project Description | Mobility | Safety | Sustainability | Economy | Accessibility | State of Good Repair | Categorization Timeframe
--- | --- | --- | --- | --- | --- | --- | --- | --- | ---
A39 | Subregional | State of Good Repair/Safety Projects for arterials throughout region |  |  |  |  |  |  | X | X | X
A40 | Burbank, Glendale, Caltrans | I-5/SR-134: Implement arterial improvements in interchange area to address movements with ramps missing at interchange |  |  |  |  |  |  | X |  | |
A41 | Glendale, LA County | La Crescenta Signal Synchronization: 
- La Crescenta Av: Orange Av to I-210 
- Montrose Av: Florentina Av to Del Mar Pk 
- Oceanview Bl: I-210 to Florentina Av 
- Foothill Blvd: Lowell Av to Briggs Av 
- Pennsylvania Av: Orange Av to I-210 
- Ramsdell Av: Orange Av to Montrose Av 
- Rosemont Av: Foothill Blvd to Montrose Av |  |  |  |  |  |  | X |  | |
A42 | Glendale | Glendale: Sub-Regional Traffic Management Center Implementation |  |  |  |  |  |  | X |  | |
A46 | San Fernando | San Fernando: Upgrade traffic signals, video detection systems, and controllers on major corridors |  |  |  |  |  |  | X |  | |
A43 | Santa Clarita | Santa Clarita: Traffic Signal and Signal Synchronization |  |  |  |  |  |  | X |  | |
A44 | Santa Clarita | Santa Clarita: ITS Phases V and VI |  |  |  |  |  |  | X |  | |
A45 | LA | Los Angeles: Vehicle Infrastructure Integration – to integrate navigation systems with Intelligent Transportation System (ITS) |  |  |  |  |  |  | X | X | X
A46 | Los Angeles | Los Angeles: Traffic Signal Improvement Program. Implement signal controller upgrades, left turn phasing, sensor, loops, CCTV monitors |  |  |  |  |  |  | X | X | X

### Goods Movement

#### Grade Crossing Safety Improvement Programs
- Improvements to at-grade rail crossings across subregion to better accommodate truck turning radii and grades

#### Arterial Programs
- Improvements to intersections across subregion to better accommodate truck turning radii and grades

#### Rail Programs
- Improvements to railroads across subregion to better accommodate freight trains without affecting passenger rail service

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**March 11, 2015**

[High Benefit] [Medium Benefit] [Low Benefit] [No Benefit/ Neutral] [Negative Impact]
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<tbody>
<tr>
<td>H1</td>
<td>SR-134 Ramp Widening program in Glendale:  - EB off-ramp at Central Ave  - WB off-ramp at Brand Blvd: add a lane  - WB on- and off-ramp at Harvey Dr: add BRT stop</td>
<td>Glendale, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
<td>● ● ● ●</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>H2</td>
<td>Regional: Upgrade traffic signal system at on- &amp; off-ramp intersections with arterials, connect with ramp metering system, establish communication with fiber system and upgrade communication of Field Device to IP.</td>
<td>Subregional</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
<td>● ● ● ●</td>
<td>X X</td>
<td></td>
</tr>
<tr>
<td>H3</td>
<td>I-210 Interchange Improvement Program in La Crescenta-Montrose:  - Modify traffic signals &amp; channelization, add WB on-ramp at La Crescenta Ave  - Modify intersection &amp; signals to improve SB to EB move at Pennsylvania Ave</td>
<td>Glendale, LA County, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
<td>● ● ● ●</td>
<td>X</td>
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<tr>
<td>H4</td>
<td>SR-134/Central Ave: Grade separate EB and WB on- and off- ramps between Pacific Ave and Central Ave</td>
<td>Glendale, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
<td>● ● ● ●</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>H5</td>
<td>SR-2/Mountain St: Widen NB off-ramp and SB on- and off- ramps</td>
<td>Glendale, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
<td>● ● ● ●</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>H6</td>
<td>SR-2/Fern Ln: Add NB Off/On Ramp</td>
<td>Glendale, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
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<tr>
<td>H7</td>
<td>SR-2/Holy Dr: Add signals at ramps</td>
<td>Glendale</td>
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<tr>
<td>H8</td>
<td>US-101/Hayvenhurst Ave: Add new WB on-ramp and EB off-ramp</td>
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<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
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</tr>
<tr>
<td>H9</td>
<td>I-5/Rosford St: Widen Rosford at I-5 to facilitate truck movements</td>
<td>LA, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
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<tr>
<td>H10</td>
<td>US-101/Coldwater Canyon Ave: Widen Coldwater Cyn bridge to provide dual left-turns to two on-ramps</td>
<td>LA, Caltrans</td>
<td>● ● ● ●</td>
<td>○ ○ ○ ○</td>
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<tr>
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<td>SR-170/Riverside Dr: Widen Riverside Dr to provide double right turns onto SB Tujunga Av</td>
<td>LA, Caltrans</td>
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<td>○ ○ ○ ○</td>
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<td>US-101/Falbrook Ave: Add on- and off-ramps</td>
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<td>○ ○ ○ ○</td>
<td>● ● ○ ○</td>
<td>○ ○ ○ ○</td>
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**San Fernando Valley**

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<td>Improve System Connectivity</td>
<td>Improve Transit Safety/Security</td>
<td>Encourage Efficient Mode Share</td>
<td>Improve First/Last Mile Connections</td>
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<td>Balance Maintenance &amp; Rehabilitation</td>
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#### Highways cont.

**Arterial Interchange Programs/Projects cont.**

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<th>ID</th>
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<th>Jurisdiction</th>
<th>Timeframe</th>
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<tr>
<td>H14</td>
<td>US-101/Canoga Ave: Widen Canoga under the freeway overpass to full standard width</td>
<td>LA, Caltrans</td>
<td>X X</td>
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<tr>
<td>H15</td>
<td>US-101/Canoga Ave: Construct HOV lane connector from 101 Fwy to Metro Orange Line</td>
<td>LA, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>H16</td>
<td>I-405/Dentad St: Build a interchange for I-405 (include Metro Orange Line to HOV connection)</td>
<td>LA, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>H17</td>
<td>SR-134, EB &amp; WB Off-ramp improvements at Glendale Avenue</td>
<td>Glendale</td>
<td>X</td>
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<tr>
<td>H40</td>
<td>I-405/Burbank Blvd: Increase left turn capacity on SB on-ramp</td>
<td>LA, Caltrans</td>
<td>X X</td>
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<tr>
<td>H41</td>
<td>I-405/Sapulveda Blvd: Study closing SB on-ramp to reduce congestion at Sapulveda Blvd and Ventura Blvd</td>
<td>LA, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>H46</td>
<td>NB 5/14 On from Sierra Highway/Foothill Blvd.: Construct roundabout interchange to replace signalized intersection.</td>
<td>LA, Caltrans</td>
<td>X</td>
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</table>

**Freeway Interchange Projects**

<table>
<thead>
<tr>
<th>ID</th>
<th>Project Description</th>
<th>Jurisdiction</th>
<th>Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>H18</td>
<td>I-5/SR-134: Interchange improvements - Carpool to carpool transition, “missing” ramp</td>
<td>Burbank, Glendale, Caltrans</td>
<td>X</td>
</tr>
<tr>
<td>H20</td>
<td>I-405/SR-101: Interchange Improvements</td>
<td>LA, Caltrans</td>
<td>X X</td>
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<tr>
<td>H21</td>
<td>I-5/405: Interchange Improvements</td>
<td>LA, Caltrans</td>
<td>X X</td>
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<tr>
<td>H22</td>
<td>I-5/210: Interchange Improvements - Additional lane on the connector from NB I-210 to NB I-5</td>
<td>LA, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>H23</td>
<td>I-5/SR-14/I-210: Modify/rebuild I-210 (EB) transition by braiding over the SR-14 southbound connector ramps</td>
<td>LA, Caltrans</td>
<td>X X</td>
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**Freeway Corridor Projects**

<table>
<thead>
<tr>
<th>ID</th>
<th>Project Description</th>
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<th>Timeframe</th>
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<tbody>
<tr>
<td>H24</td>
<td>SR-2: Add HOV lane between SR-134 and Glendale Blvd</td>
<td>Glendale, LA, Caltrans</td>
<td>X</td>
</tr>
<tr>
<td>H25</td>
<td>I-5: Add mixed flow, HOV and truck lanes between SR-14 and I-405</td>
<td>Santa Clarita, LA, LA County, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>H26</td>
<td>I-6: North Capacity Enhancements - Add truck lane and HOV lanes from Pico Canyon Rd to Kern County Line</td>
<td>Santa Clarita, LA County, Caltrans</td>
<td>X X</td>
</tr>
<tr>
<td>ID</td>
<td>Project Description</td>
<td>Jurisdiction</td>
<td>Mobility</td>
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<tr>
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<tr>
<td></td>
<td></td>
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<td>Reduce Travel Times</td>
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</table>

### Highways cont.

#### Freeway Corridor Projects cont.

| H27 | SR-14: Widen to provide at least three mixed flow lanes and one HOV lane in each direction from I-5 to Ave L | Santa Clarita, LA County, Caltrans | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | X | X |
| H29 | US-101: Add one lane to existing roadway in each direction between SR-27 and the Ventura County line; project widens roadway from 4 to 5 lanes, which could generally be accommodated by restriping within the existing roadway cross-section | LA, LA County, Caltrans | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | X |
| H30 | US-101: Add 2 lanes to existing roadway in each direction between SR-27 and the Ventura County Line; project widens roadway from 4 to 6 lanes, while aiming to minimize ROW acquisition and local circulation impacts | LA, LA County, Caltrans | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | X |
| H32 | US-101: Add NB and SB auxiliary lanes between Hayvenhurst Av and Valley Circle Bl | LA, Caltrans | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | X |
| H33 | US-101: Add NB and SB auxiliary lanes between Hayvenhurst Av and Valley Circle Bl | LA, Caltrans | ● | ○ | ○ | ○ | ○ | ● | ○ | ○ | ○ | X |

### Soundwall Projects

| H34 | I-210: Add soundwall - Pennsylvania Av to Waltonia Av | Glendale, LA County, Caltrans | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | X |
| H35 | US-101: Add Retaining Wall on the Barham/Cahuenga Corridor Transportation Project - Phase IV | LA, Caltrans | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | X |

### State of Good Repair/Safety Programs

<p>| H36 | Highway State of Good Repair/Safety Programs | Subregional | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | X | X | X |
| H37 | Renovation of Key Sections of the US-101 | LA, Caltrans | ○ | ○ | ● | ○ | ○ | ● | ○ | ○ | ○ | X | X | X |</p>
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<tr>
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<th>Sustainability</th>
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<th>Categorization</th>
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<td><strong>Highways cont.</strong></td>
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<td>H38</td>
<td>I-5/SR-14: Expand Freeway Service Patrol throughout North County subregion</td>
<td>LA County</td>
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<td>H39</td>
<td>Regional: Improve Ramp metering, CCTV cameras, CMS for freeways in subregion as needed</td>
<td>Subregional</td>
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<td><strong>Regional: Upgrade TMS:</strong></td>
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<td>a) I-5: SR-118 to SR-14 (PM 39.3-45.6)</td>
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<td>b) US-101: I-5 to I-405 (PM 0.0-17.4)</td>
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<td>c) US-101: SR-27 to Ventura County Line (PM 25.3-38.19)</td>
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<td>d) SR-118: west of SR-27 to east of SR-210 (PM 0.0-14.8)</td>
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<td>e) SR-134: SR-170 to SR-210/SR-710 (PM 0.0-13.4)</td>
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<td>f) SR-170: SR-134 to I-5 (PM 14.5-20.5)</td>
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<td>h) SR-2: SR-134 to SR-210 (PM 14.5-24.6)</td>
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<td>i) I-210: I-5 to SR-2 (PM 0.0-19.0) - Add CCTV &amp; Comms</td>
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<td>j) I-5: TSM from SR-2 to SR-134</td>
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<td><strong>Bicycle/Pedestrian Programs/Projects</strong></td>
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<td>Burbank: Bicycle Master Plan projects</td>
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<td>B2</td>
<td>Glendale: Bicycle Transportation Plan projects (including Verdugo Wash bikeway and bridges over LA River)</td>
<td>Glendale</td>
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<td>B4</td>
<td>San Fernando: Bicycle Master Plan projects</td>
<td>San Fernando</td>
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<td>B5</td>
<td>Santa Clarita: Non-Motorized Transportation Plan Projects (including Railroad Ave/Metrolink Bicycle Trail, from Lyons Ave to Oak Ridge Dr)</td>
<td>Santa Clarita</td>
<td>◐</td>
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<td>B6</td>
<td>Los Angeles: Bicycle Plan projects</td>
<td>LA</td>
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<td>B7</td>
<td>Improvements to bike/pedestrian bridges and tunnels over SR-134</td>
<td>Glendale</td>
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<td>Bridges: Louise, Geneva, Concord, Columbus, Adams, Kenilworth</td>
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<td>◐</td>
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<tr>
<td>B11</td>
<td>Construction of Pedestrian &amp; Bike on the Los Angeles River throughout SFV</td>
<td>LA</td>
<td>◐</td>
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<tr>
<td>B12</td>
<td>Bicycle access improvements to Larry Zarian Transportation Center, on Los Feliz Rd and Brand Blvd</td>
<td>Glendale</td>
<td>◐</td>
<td>◐</td>
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<tr>
<td>B24</td>
<td>Various projects identified in Metro's and LA County's bike plans for Arroyo Verdugo, Citios Subregion: construct Class II and Class III lanes on various streets.</td>
<td>LA County</td>
<td>◐</td>
<td>◐</td>
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<tr>
<td>B25</td>
<td>Establish a county-wide bike share program (including Santa Clarita)</td>
<td>Subregional</td>
<td>◐</td>
<td>◐</td>
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<td>◐</td>
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<tr>
<td>B26</td>
<td>Los Angeles: Bicycle/Pedestrian Safety Program. Implement &quot;Vision Zero&quot; roadway improvements, pedestrian countermeasures, Safe Routes to School initiative</td>
<td>LA</td>
<td>◐</td>
<td>◐</td>
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<tr>
<td>ADX</td>
<td>Improvements to bus stop zones to meet ADA compliance</td>
<td>Subregional</td>
<td>◐</td>
<td>◐</td>
<td>◐</td>
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March 11, 2015
### Metro Subregional Mobility Matrix

**San Fernando Valley**

**Appendix D: Project Detail Matrix**

**ID**

<table>
<thead>
<tr>
<th>Project Description</th>
<th>Jurisdiction</th>
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</thead>
<tbody>
<tr>
<td>Pedestrian Bridges</td>
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</tr>
<tr>
<td>B8 Hollywood Way/San Fernando Rd Metrolink station pedestrian bridge</td>
<td>Burbank, Bob Hope Airport</td>
</tr>
<tr>
<td>B9 Downtown Burbank Metrolink Station: Bike/Ped bridge over I-5</td>
<td>Burbank, Caltrans, Metrolink</td>
</tr>
<tr>
<td>B10 Downtown Burbank Metrolink Station: Pedestrian grade crossing improvements</td>
<td>Burbank, Caltrans, Metrolink</td>
</tr>
<tr>
<td>Complete Streets Programs</td>
<td></td>
</tr>
<tr>
<td>B13 Los Angeles: Great Streets program</td>
<td>LA</td>
</tr>
<tr>
<td>B14 Cerritos Ave Complete and Green Streets Project: Connect L2TC to Glendale Memorial, Cerritos Park/School, Forest Lawn. Improve bike infrastructure, lighting, wayfinding, etc.</td>
<td>Glendale</td>
</tr>
<tr>
<td>B27 Los Angeles Complete Streets: Implement Complete Streets Enhancements along key arterials as defined in the Mobility Plan 2035</td>
<td>LA</td>
</tr>
<tr>
<td>B29 Los Angeles: Mobility Element (transit/vehicle/bicycle enhanced networks, pedestrian enhanced districts)</td>
<td>LA</td>
</tr>
<tr>
<td>Sustainability Programs</td>
<td></td>
</tr>
<tr>
<td>B15 Electric Vehicle charging stations in Public Parking Structures (potentially including photovoltaic panels)</td>
<td>Subregional</td>
</tr>
<tr>
<td>B17 Glendale: Expand CNG Station and Maintenance Facility for Glendale Beeline Transit Services (potentially shared with Burbank Bus)</td>
<td>Burbank, Glendale, LA County</td>
</tr>
<tr>
<td>B29 Los Angeles: ZEV Bus Fleet Program. Convert existing transit fleet in LA County to meet the goal of 25% ZEV by 2025</td>
<td>LA</td>
</tr>
<tr>
<td>Park and Ride Projects/Programs</td>
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</tr>
<tr>
<td>B18 Regional: Add/expand park-and-ride facilities</td>
<td>Subregional</td>
</tr>
<tr>
<td>B20 Newhall Avenue / SR-14 Park-and-Ride: Expand</td>
<td>Santa Clarita, Caltrans</td>
</tr>
<tr>
<td>B21 Harvey Dr / SR-134 Park-and-Ride: Expand</td>
<td>Glendale, Caltrans</td>
</tr>
<tr>
<td>B30 Los Angeles: Parking Program. Expand ExpressPark and implement valet parking throughout major retail centers</td>
<td>LA</td>
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<td>TDM Programs</td>
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<tr>
<td>B19 Regional: TDM programs to reduce trips</td>
<td>Subregional</td>
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<tr>
<td>Mobility Hubs/First-Last Mile Programs</td>
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</tr>
<tr>
<td>B22 Regional: Mobility hubs at major San Fernando Valley transit hubs (bike share, car share, bike stations, etc)</td>
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</tr>
<tr>
<td>B23 Regional: First-mile-last-mile improvements near major San Fernando Valley transit hubs</td>
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**March 11, 2015**
<table>
<thead>
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<th>ID</th>
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<th>Economy</th>
<th>Accessibility</th>
<th>State of Good Repair</th>
<th>Categorization</th>
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<tr>
<td>T1</td>
<td>Metro: Existing bus route improvements</td>
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<td>T2</td>
<td>Metrolink Station Shuttle Buses: Expand service</td>
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<td>T3</td>
<td>I-5 / SR-14: Expanded express bus service in HOV lanes</td>
<td>Burbank, Glendale, Santa Clarita, LA, LA County</td>
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<td>T4</td>
<td>Municipal &amp; Local Operators: Add late night and weekend municipal bus service</td>
<td>Burbank, Glendale, San Fernando, Santa Clarita, LADOT</td>
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<td>T5</td>
<td>Municipal &amp; Local Operators: Operating dollars for expanded service</td>
<td>Burbank, Glendale, San Fernando, Santa Clarita, LADOT</td>
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<td>T6</td>
<td>Burbank: All day Burbank Bus service on all four existing routes</td>
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<td>Glendale: Increase bus service and improve frequencies for Glendale Baseline Transit Services</td>
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<td>Santa Clarita Transit: Increase frequency on existing express routes</td>
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<td>T9</td>
<td>Santa Clarita: Improve SCT service between Santa Clarita and San Fernando Valleys (headways, additional stops, etc)</td>
<td>Santa Clarita</td>
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<td>T10</td>
<td>Sepulveda Pass: Increase express bus service over Sepulveda Pass, with collector/feeder service throughout West LA and the San Fernando Valley</td>
<td>LA</td>
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<td>T11</td>
<td>Los Angeles: 10 new DASH routes citywide</td>
<td>LA</td>
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<td>T31</td>
<td>San Fernando: Public transit improvements, including upgrading bus stop infrastructure and enhancing routes and connections</td>
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<td>T15</td>
<td>Glendale: Provide east-west transit service on Foothill Blvd to provide one-seat ride from Sunland to La Canada Flintridge</td>
<td>Glendale, Los Angeles, LA County</td>
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<td>T32</td>
<td>Improved regional transit connection between Las Virgenes area, Thousand Oaks and San Fernando Valley along US-101 corridor</td>
<td>LA</td>
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<td>T33</td>
<td>Tier 2 Operators: Dedicated operations and capital funding to match formula equivalency of Included and Eligible Operators</td>
<td>Burbank, Glendale, LA</td>
<td>●</td>
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<td>Economy</td>
<td>Accessibility</td>
<td>State of Good Repair</td>
<td>Categorization Timeframe</td>
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<td>Reduce Travel Times</td>
<td>Improve Safety</td>
<td>Reduce GHG Emissions</td>
<td>Accommodate Goods Movement</td>
<td>Integrate Transit Hubs</td>
<td>Serve Transit Dependent Populations</td>
<td>Improve First/Last Mile Connections</td>
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<td>Increase Reliability</td>
<td>Improve Mode Conflicts</td>
<td>Improve Quality of Life</td>
<td>Enhance Economic Output</td>
<td>Improve Safety/Security</td>
<td>Reduce Number and Length of Trips</td>
<td>Enhance Economic Output</td>
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<td>Improve System Connectivity</td>
<td>Protect Public Health</td>
<td>Encourage Efficient Mode Share</td>
<td>Integrate Transit Hubs</td>
<td>Reduce Number of Trips</td>
<td>Enhance Economic Output</td>
<td>Enhance Economic Output</td>
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<td>Reduce Travel Times</td>
<td>Improve Safety</td>
<td>Reduce GHG Emissions</td>
<td>Accommodate Goods Movement</td>
<td>Integrate Transit Hubs</td>
<td>Serve Transit Dependent Populations</td>
<td>Improve First/Last Mile Connections</td>
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<td>T13</td>
<td>Burbank to Hollywood BRT: Downtown Burbank to Hollywood via Burbank Media District &amp; Universal City*</td>
<td>Burbank, LA County</td>
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<td>T14</td>
<td>Pasadena to North Hollywood BRT: Via SR-134 through Glendale &amp; Burbank*</td>
<td>Burbank, Glendale, LA, Caltrans</td>
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<td>T16</td>
<td>Metro Orange Line: Bus operational improvements (shorter headways, grade separations, crossing gates, etc along entire Line)</td>
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<td>Metrolink Antelope Valley Line Improvements (various)</td>
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<td>T18</td>
<td>Metrolink Ventura County Line Improvements (various)</td>
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<td>T19</td>
<td>Real-time transit info for municipal &amp; local bus operators, Metrolink, airport and other info</td>
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<td>T23</td>
<td>Metro Red Line Extension: North Hollywood to Sylmar*</td>
<td>San Fernando, LA</td>
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<td>T24</td>
<td>Glendale Downtown Streetcar: Brand Blvd from Colorado Blvd to Glenoaks Blvd</td>
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<td>T25</td>
<td>Metro Orange Line conversion to LRT</td>
<td>LA</td>
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<td>T26</td>
<td>Sepulveda Pass Transit Corridor - Consider multimodal tunnel(s) carrying premium transit and tolled highway lanes. P3 being considered.</td>
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<td>T27</td>
<td>East San Fernando Valley Transit Corridor - Currently in environmental phase, examining BRT, Tram, LRT Alternatives</td>
<td>San Fernando, LA</td>
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<td>T28</td>
<td>Transit State of Good Repair/Safety Programs</td>
<td>Subregional</td>
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<td>T29</td>
<td>Glendale: Expand Lary Zarian Transportation Center</td>
<td>Glendale, Metrolink</td>
<td>○</td>
<td>○</td>
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<td>T30</td>
<td>Vista Canyon Transit Center: New Metrolink Station, Bus Transfer Facility</td>
<td>Santa Clarita, Metrolink</td>
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## Metro Subregional Mobility Matrix

### San Fernando Valley

#### Appendix D: Project Detail Matrix

**Final**

<table>
<thead>
<tr>
<th>ID</th>
<th>Project Description</th>
<th>Jurisdiction</th>
<th>Mobility</th>
<th>Safety</th>
<th>Sustainability</th>
<th>Economy</th>
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<td>High Benefit</td>
<td>Medium Benefit</td>
<td>Low Benefit</td>
<td>Neutral</td>
<td>Negative Impact</td>
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<td>A5</td>
<td>Clybourn Ave: Grade separation at railroad tracks / Vanowen St / Empire Ave</td>
<td>Burbank, Bob Hope Airport, LA, Metrolink</td>
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<td>A25</td>
<td>Hollywood Way: Widan to 6 lanes from Thornton Ave to Glenoaks Blvd</td>
<td>Burbank, Bob Hope Airport</td>
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<td>H2</td>
<td>I-5/Buena Vista Ave: Reconfigure ramps and connect with Winona Ave</td>
<td>Burbank, Caltrans, Metrolink</td>
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<td>B8</td>
<td>Hollywood Way/San Fernando Rd Metrolink station pedestrian bridge</td>
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<td>B16</td>
<td>Burbank Airport: CNG Refueling Station</td>
<td>Burbank, Bob Hope Airport</td>
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<td>T12</td>
<td>Metro Orange Line Extension: North Hollywood to Bob Hope Airport</td>
<td>Burbank, Bob Hope Airport</td>
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<td>T20</td>
<td>Burbank/Glendale LRT: From LA Union Station to Burbank Airport via Antelope Valley</td>
<td>Burbank, Bob Hope Airport, Glendale, LA, Metrolink</td>
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<td>T21</td>
<td>Pasadena to Burbank Airport LRT: Via SR-134 / I-5 through Glendale &amp; Burbank*</td>
<td>Burbank, Bob Hope Airport, Glendale</td>
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<td>T22</td>
<td>Metro Red Line Extension: North Hollywood to Burbank Airport*</td>
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</tbody>
</table>

**Regional Facilities**

- Costs exclude right-of-way, vehicles, finance changes, and operation and maintenance.

**“Jurisdiction” may refer to the lead project sponsor, the jurisdiction where the project exists, or the agency that proposed the addition of the project. Projects without specific jurisdictions were sourced from other planning documents (e.g. Metro Long Range Transportation Plan and others) where no lead or proposing agency was listed.

**Changes since 3/5/15 (SFVCOG Transportation Committee Meeting)**

- Added text to T16 about grade separations and crossing gates along entire Orange Line
- Added Subregional to Jurisdiction column for B3
- Added text to B5 to specifically call out a segment of Santa Clarita’s Railroad Ave bicycle trail
- Added following projects:
  - A48: Traffic signal program
  - B25: County-wide bike share program, including Santa Clarita
  - B26: Bike/Ped Safety Program
  - B27: LA Complete Streets
  - B28: Mobility Element program
  - B29: ZEV Bus Fleet conversion
  - B30: Parking Program
  - T33: Tier 2 Operator funding

March 11, 2015

D-11