4.0 FUTURE TRANSIT CONDITIONS

This section describes the future transit operating conditions of each Project Alternative, including regional performance as measured by linked trips, a review of ridership estimates, mode of access to subway stations, and travel time comparisons. These measures are used to assess the transportation advantages of each Build Alternative. The Metro Travel Demand Model was used to forecast boardings and mode of access data for Year 2035. This section also compares transit travel times, transit speed, transit reliability, and variations in transit mode share for each of the Build Alternatives.

4.1 No Build Alternative

The No Build Alternative includes all existing highway and transit services and facilities, and the committed highway and transit projects in the 2009 Metro Long Range Transportation Plan (LRTP) and the 2008 Southern California Association of Governments’ (SCAG) Regional Transportation Plan (RTP). Under the No Build Alternative, no new infrastructure would be built within the study area, aside from projects currently under construction or projects funded for construction, environmentally cleared, planned to be in operation by 2035, and identified in the Metro LRTP.

4.2 TSM Alternative

The TSM Alternative emphasizes more frequent bus service than the No Build Alternative to reduce delay and enhance mobility. As such, the TSM meets some aspect of the Purpose and Need to provide enhanced transit service and improved mobility in the Study Area. The TSM Alternative contains all elements of the highway, transit, Metro Rail, and bus service described under the No Build Alternative. For the TSM Alternative, bus service would be increased to meet the rising demand for transit service in the Study Area. The frequency of the following Metro bus lines would be increased: 2, 4, 14, 16, and 720.

4.3 Build Alternatives

For this analysis, the change between the No Build Alternative and the Build Alternatives occurs for Metro Lines 20, 720, and 920. These Metro lines provide Local (Line 20), Rapid (Line 720), and Rapid Express (Line 920) service along Wilshire Boulevard between Downtown Los Angeles and Santa Monica. In addition, Sunday service on Metro Line 704, which provides service between Downtown Los Angeles and Santa Monica on Santa Monica Boulevard, is expected to be cut. These routes most closely parallel the service that would be provided by the proposed subway. All other transit lines are assumed to offer equivalent service between existing and future scenarios.

In the future transit network, Line 920 would be eliminated and Line 720 would operate less frequently. In the City of Los Angeles, headways for Line 720 are expected to increase from 3 to 5 minutes under the existing network to 5 to 11.5 minutes under the Build Alternatives. In the City of Santa Monica, headways for Line 720 are expected to remain essentially unchanged. Future headways for Line 20 would remain unchanged within the City of Los Angeles, but in the City of Santa Monica, Line 20 service would be eliminated.

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2 Metro is working with SCAG to update the RTP, which would add the projects identified in Metro’s LRTP into the RTP. It is anticipated that the update will be completed in May 2010.
4.3.1 Service Characteristics

Service for all Build Alternatives is expected to operate seven days per week 365 days per year, with hours of operation from 6:00 AM to 3:00 AM. Peak-period headways of 5 minutes would be in effect during weekday non-holidays, from 6:00 AM to 9:00 AM, and 3:00 PM to 7:00 PM. Off-peak headways of 10 minutes would be in effect during the remaining weekday hours of operation, and on weekends and holidays.

4.4 Regional Performance Measures

Table 4-1 provides a summary of countywide transit performance measures for all scenarios based on linked trips for all modes. Linked trips are a measure of transit trips that assumes transfers between vehicles to reach a single destination as part of the same trip. The data includes all Metro buses and rail activity as well as municipal transit operations (for transit statistics) and trip activity across all travel modes (for daily linked trips). While this section addresses countywide performance measures, further information on ridership, including transit mode share changes, is presented in Section 4.8-Transit Travel Times, Speed, and Reliability.

Table 4-1. Regional Performance Measures – Los Angeles County

<table>
<thead>
<tr>
<th>Countywide Statistics</th>
<th>Daily Fixed-Guideway Trips</th>
<th>Daily Linked Bus Trips</th>
<th>Total Daily Linked Transit Trips</th>
<th>Auto Trips</th>
<th>Non-Motorized Trips</th>
<th>Daily Linked Trips (Total All Modes)</th>
<th>Total Transit Mode Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>No-Build</td>
<td>536,814</td>
<td>1,244,442</td>
<td>1,781,256</td>
<td>70,051,026</td>
<td>7,386,552</td>
<td>79,218,834</td>
<td>2.25%</td>
</tr>
<tr>
<td>TSM</td>
<td>536,992</td>
<td>1,246,383</td>
<td>1,783,375</td>
<td>70,049,499</td>
<td>7,385,962</td>
<td>79,218,836</td>
<td>2.25%</td>
</tr>
<tr>
<td>MOS 1</td>
<td>550,049</td>
<td>1,238,930</td>
<td>1,788,979</td>
<td>70,044,911</td>
<td>7,384,937</td>
<td>79,218,827</td>
<td>2.26%</td>
</tr>
<tr>
<td>MOS 2</td>
<td>568,170</td>
<td>1,231,494</td>
<td>1,799,664</td>
<td>70,036,297</td>
<td>7,382,861</td>
<td>79,218,822</td>
<td>2.27%</td>
</tr>
<tr>
<td>Alt 1</td>
<td>577,925</td>
<td>1,227,466</td>
<td>1,805,391</td>
<td>70,031,220</td>
<td>7,382,217</td>
<td>79,218,828</td>
<td>2.28%</td>
</tr>
<tr>
<td>Alt 2</td>
<td>583,728</td>
<td>1,225,139</td>
<td>1,808,867</td>
<td>70,028,522</td>
<td>7,381,448</td>
<td>79,218,837</td>
<td>2.28%</td>
</tr>
<tr>
<td>Alt 3</td>
<td>596,539</td>
<td>1,219,943</td>
<td>1,816,482</td>
<td>70,021,634</td>
<td>7,380,711</td>
<td>79,218,827</td>
<td>2.29%</td>
</tr>
<tr>
<td>Alt 4</td>
<td>589,844</td>
<td>1,222,628</td>
<td>1,812,472</td>
<td>70,026,076</td>
<td>7,380,284</td>
<td>79,218,832</td>
<td>2.29%</td>
</tr>
<tr>
<td>Alt 5</td>
<td>604,530</td>
<td>1,216,844</td>
<td>1,821,374</td>
<td>70,018,121</td>
<td>7,379,336</td>
<td>79,218,831</td>
<td>2.30%</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model
* Inclusive of Orange Line BRT trips & Metrolink Commuter Rail

Alternative 5 is forecast to have the highest regional daily transit mode share (2.30% compared with 2.25% under the No Build), and have the fewest auto trips (70,018,121 compared with 70,051,026 under the No Build, a reduction of 32,905 daily auto trips). With a difference of 27,598 bus trips between the No Build and Alternative 5, this is likely the minimum number of trips that have been upgraded from bus to rail; the actual number may be greater due to increased bus trips made to connect with the subway. Overall, there is a net gain of 40,118 daily linked transit trips between the No Build and Alternative 5.
4.5 Build Alternatives Ridership Analysis

4.5.1 Project Trips

Table 4-2 compares the project trips for each Build Alternative. Project trips represent the number of trips that can be credited to the Build Alternatives. Project trips are the sum of the following: inbound boardings (eastbound) at project stations, plus outbound boardings (westbound) at project stations, plus outbound boardings at non-project stations, minus outbound alightings at non-project stations. Essentially, the project trips estimate is comprised of riders who either begin or end at project stations. Alternative 5, with 120,000 daily project trips, is forecast to generate the highest number of project trips. Further information on ridership under each project alternative is presented in Section 4.9 - Variations in Transit Mode Shares.

Table 4-2. Build Alternative Project Trips Comparison

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Description</th>
<th>Stations</th>
<th>Project Trips</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOS 1</td>
<td>Fairfax Station Terminus</td>
<td>3</td>
<td>30,049</td>
</tr>
<tr>
<td>MOS 2</td>
<td>Century City Station Terminus</td>
<td>6</td>
<td>56,713</td>
</tr>
<tr>
<td>Alt 1</td>
<td>Westwood/UCLA Extension</td>
<td>7</td>
<td>72,242</td>
</tr>
<tr>
<td>Alt 2</td>
<td>Westwood/VA Hospital Extension</td>
<td>8</td>
<td>80,757</td>
</tr>
<tr>
<td>Alt 3</td>
<td>Santa Monica Extension</td>
<td>12</td>
<td>105,421</td>
</tr>
<tr>
<td>Alt 4</td>
<td>Westwood/VA Hospital Extension + West Hollywood Branch</td>
<td>13</td>
<td>93,009</td>
</tr>
<tr>
<td>Alt 5</td>
<td>Santa Monica Extension + West Hollywood Branch</td>
<td>17</td>
<td>120,039</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model

4.5.2 Station Boardings

As a more detailed metric than project trips, boardings estimates add location-specific information about the origins and destinations of riders. Boardings data can be used to estimate the viability of project stations in terms of ridership. It can also be compared across the multiple scenarios to demonstrate a network effect; as more stations are added to the subway line, a greater number of riders are attracted to existing stations. The number of total daily boardings differs from project trips in that boardings data does not count riders who board at a non-project station and alight at project stations.

Table 4-3 presents daily station boardings for project stations under each Build Alternative, with total boardings varying from 17,500 for MOS 1 to 89,700 for Alternative 5. In general, ridership increases at initial stations as more stations are added. In cases where an added station provides a preferred alternative to a previously identified station, the previously identified station may show a slight decline, but the combined total of the two stations shows a net gain in boardings.

4.6 Mode of Access

Table 4-4 details the daily mode of access percentages for all project riders that arrive at or depart stations by foot, bus, private vehicle, or other modes. The private vehicle mode of
access refers specifically to drop-off and pick-up activity because no park-and-ride facilities are planned at the station locations. While not quantified explicitly by the Metro Travel Demand Model, some utilization of off-site public and private parking capacity is expected on a daily basis.

All Build Alternatives are forecast to have similar private vehicle usage for mode of access. Bus transit mode of access is expected to progressively decline for MOS 2 and each subsequent Alternative as more subway stations are added to the network. This trend reflects an increase in pedestrian access to stations and will reduce the need for transfers between bus and rail. Alternatives 4 and 5 are forecast to have higher mode of access in the “Other” category, which includes urban rail transfers, because both alternatives provide an additional connection to the existing Metro Red Line through the West Hollywood Branch at the Hollywood/Highland Station.

### Table 4-3. Daily Station Boardings

<table>
<thead>
<tr>
<th>Station</th>
<th>MOS 1</th>
<th>MOS 2</th>
<th>Alt 1</th>
<th>Alt 2</th>
<th>Alt 3</th>
<th>Alt 4</th>
<th>Alt 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Wilshire/La Brea Station</td>
<td>3,937</td>
<td>3,569</td>
<td>3,722</td>
<td>3,808</td>
<td>4,064</td>
<td>3,239</td>
<td>3,423</td>
</tr>
<tr>
<td>3. Wilshire/Fairfax Station</td>
<td>10,135</td>
<td>5,792</td>
<td>6,071</td>
<td>6,209</td>
<td>6,629</td>
<td>5,031</td>
<td>5,361</td>
</tr>
<tr>
<td>4. Wilshire/La Cienega Station</td>
<td>--</td>
<td>6,114</td>
<td>6,433</td>
<td>6,608</td>
<td>7,072</td>
<td>5,088</td>
<td>5,418</td>
</tr>
<tr>
<td>5. Wilshire/Rodeo Station</td>
<td>--</td>
<td>7,682</td>
<td>4,642</td>
<td>4,585</td>
<td>4,857</td>
<td>6,386</td>
<td>6,649</td>
</tr>
<tr>
<td>6. Century City Station</td>
<td>--</td>
<td>8,333</td>
<td>6,681</td>
<td>6,498</td>
<td>6,568</td>
<td>6,424</td>
<td>6,390</td>
</tr>
<tr>
<td>7. Westwood/UCLA Station</td>
<td>--</td>
<td>--</td>
<td>14,313</td>
<td>12,629</td>
<td>11,039</td>
<td>13,894</td>
<td>11,978</td>
</tr>
<tr>
<td>8. Westwood/VA Hospital Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>8,010</td>
<td>6,120</td>
<td>8,762</td>
<td>6,662</td>
</tr>
<tr>
<td>9. Wilshire/Bundy Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5,120</td>
<td>--</td>
<td>5,759</td>
<td></td>
</tr>
<tr>
<td>10. Wilshire/26th Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5,034</td>
<td>--</td>
<td>5,630</td>
<td></td>
</tr>
<tr>
<td>11. Wilshire/16th Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>3,886</td>
<td>--</td>
<td>4,323</td>
<td></td>
</tr>
<tr>
<td>12. Wilshire/4th Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5,872</td>
<td>--</td>
<td>6,639</td>
<td></td>
</tr>
<tr>
<td>13. Hollywood/Highland Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>5,957</td>
<td>7,360</td>
<td></td>
</tr>
<tr>
<td>14. Santa Monica/La Brea Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2,438</td>
<td>2,628</td>
<td></td>
</tr>
<tr>
<td>15. Santa Monica/Fairfax Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2,125</td>
<td>2,270</td>
<td></td>
</tr>
<tr>
<td>16. Santa Monica/San Vicente Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>1,829</td>
<td>1,905</td>
<td></td>
</tr>
<tr>
<td>17. Beverly Center Area Station</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>2,818</td>
<td>2,933</td>
<td></td>
</tr>
<tr>
<td><strong>Total Station Boardings</strong></td>
<td>17,506</td>
<td>35,475</td>
<td>46,075</td>
<td>52,665</td>
<td>70,936</td>
<td>68,013</td>
<td>89,680</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model
### 4.0 Future Transit Conditions

#### 4.7 Study Corridor Travel Time Comparison

Table 4-5 compares estimated corridor-specific travel times during the peak period for MOSs and Build Alternatives. As seen with Alternatives 3 and 5, longer subway extensions increase travel time benefits. For example, traveling westbound by bus from Wilshire/Western to Wilshire/4th would take more than an hour under the No Build or TSM Alternatives. Even by car, driving the same distance would be only 15 minutes faster. By comparison, taking the subway from Wilshire/Western to Wilshire/4th under Alternatives 3 or 5 would result in travel time savings of over 42 minutes compared to the bus and 28 minutes compared to driving.

Table 4-6 shows travel time comparisons during the off-peak period. The subway provides a notable improvement over bus service even during the off-peak because bus wait times are greater during the off-peak period than during the peak period. Traveling from Wilshire/Western to Wilshire/4th under the No Build or TSM Alternatives would take more than an hour by bus but only 25 minutes by subway under Alternatives 3 and 5. Traffic congestion is lower during the off-peak, but even with improved auto times, the subway is still faster than driving for all Build Alternatives. Transit travel times to the Westside from origins outside the Study Area are presented in Section 4.8.1 Transit Travel Times.

### Table 4-4. Daily Mode of Access Percentages

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Walk</th>
<th>Bus Transit</th>
<th>Private Vehicle</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOS 1</td>
<td>39%</td>
<td>47%</td>
<td>2%</td>
<td>12%</td>
</tr>
<tr>
<td>MOS 2</td>
<td>54%</td>
<td>35%</td>
<td>2%</td>
<td>9%</td>
</tr>
<tr>
<td>Alternative 1</td>
<td>56%</td>
<td>34%</td>
<td>2%</td>
<td>8%</td>
</tr>
<tr>
<td>Alternative 2</td>
<td>60%</td>
<td>30%</td>
<td>2%</td>
<td>8%</td>
</tr>
<tr>
<td>Alternative 3</td>
<td>64%</td>
<td>26%</td>
<td>2%</td>
<td>8%</td>
</tr>
<tr>
<td>Alternative 4</td>
<td>55%</td>
<td>28%</td>
<td>2%</td>
<td>15%</td>
</tr>
<tr>
<td>Alternative 5</td>
<td>58%</td>
<td>24%</td>
<td>2%</td>
<td>16%</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model

### Table 4-5. Project Alternative Peak Travel Time Comparison

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Subway Time (min)</th>
<th>No Build Bus Time (min)</th>
<th>TSM Bus Time (min)</th>
<th>Auto Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOS 1 Wilshire/Western</td>
<td>Wilshire/Fairfax</td>
<td>6.6</td>
<td>16.7</td>
<td>15.9</td>
<td>12.6</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Wilshire/Century</td>
<td>11.9</td>
<td>34.4</td>
<td>33.6</td>
<td>25.2</td>
</tr>
<tr>
<td>Alt 1 Wilshire/Western</td>
<td>Wilshire/Westwood</td>
<td>14.2</td>
<td>45.7</td>
<td>44.9</td>
<td>33.8</td>
</tr>
<tr>
<td>Alt 2 Wilshire/Western</td>
<td>Westwood/VA</td>
<td>15.5</td>
<td>53.5</td>
<td>52.7</td>
<td>39.8</td>
</tr>
<tr>
<td>Alt 3 Wilshire/Western</td>
<td>Wilshire/4th</td>
<td>21.1</td>
<td>64.2</td>
<td>63.4</td>
<td>48.8</td>
</tr>
<tr>
<td>Alt 4 Wilshire/Western</td>
<td>Westwood/VA</td>
<td>15.5</td>
<td>53.5</td>
<td>52.7</td>
<td>39.8</td>
</tr>
<tr>
<td>Hollywood/Highland</td>
<td>Westwood/VA</td>
<td>19.5</td>
<td>65.1</td>
<td>64.3</td>
<td>40.1</td>
</tr>
<tr>
<td>Alt 5 Wilshire/Western</td>
<td>Wilshire/4th</td>
<td>21.1</td>
<td>64.2</td>
<td>63.4</td>
<td>48.8</td>
</tr>
</tbody>
</table>
### Eastbound

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Subway Time (min)</th>
<th>No Build Bus Time (min)</th>
<th>TSM Bus Time (min)</th>
<th>Auto Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOS 1 Wilshire/Fairfax</td>
<td>Wilshire/Western</td>
<td>14.2</td>
<td>31.8</td>
<td>28.5</td>
<td>20.9</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Century</td>
<td>Wilshire/Western</td>
<td>15.5</td>
<td>40.9</td>
<td>37.6</td>
<td>28.4</td>
</tr>
<tr>
<td>Alt 1 Wilshire/Westwood</td>
<td>Wilshire/Western</td>
<td>15.5</td>
<td>40.9</td>
<td>37.6</td>
<td>28.4</td>
</tr>
<tr>
<td>Alt 2 Wilshire/Westwood</td>
<td>Wilshire/Western</td>
<td>21.1</td>
<td>49.6</td>
<td>46.3</td>
<td>35.5</td>
</tr>
<tr>
<td>Alt 3 Wilshire/Westwood</td>
<td>Westwood/VA</td>
<td>18.9</td>
<td>50.1</td>
<td>50.1</td>
<td>23.5</td>
</tr>
<tr>
<td>Alt 4 Wilshire/Westwood</td>
<td>Hollywood/Highland</td>
<td>19.5</td>
<td>47.8</td>
<td>44.5</td>
<td>27.6</td>
</tr>
<tr>
<td>Alt 5 Wilshire/Westwood</td>
<td>Wilshire/Western</td>
<td>21.1</td>
<td>49.6</td>
<td>46.3</td>
<td>35.5</td>
</tr>
<tr>
<td>Alt 6 Wilshire/Westwood</td>
<td>Hollywood/Highland</td>
<td>25.1</td>
<td>56.5</td>
<td>53.2</td>
<td>34.7</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model; Note: Transit times include wait times equal to half of headways

### Westbound

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Subway Time (min)</th>
<th>No Build Bus Time (min)</th>
<th>TSM Bus Time (min)</th>
<th>Auto Time (min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOS 1 Wilshire/Western</td>
<td>Wilshire/Fairfax</td>
<td>17.6</td>
<td>38.7</td>
<td>38.7</td>
<td>19.4</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Wilshire/Century</td>
<td>18.9</td>
<td>50.1</td>
<td>50.1</td>
<td>23.5</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>City</td>
<td>22.0</td>
<td>64.4</td>
<td>64.4</td>
<td>23.1</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Wilshire/Western</td>
<td>24.5</td>
<td>61.9</td>
<td>61.9</td>
<td>30.5</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Westwood/VA</td>
<td>24.5</td>
<td>61.9</td>
<td>61.9</td>
<td>30.5</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Hollywood/Highland</td>
<td>22.0</td>
<td>64.4</td>
<td>64.4</td>
<td>23.1</td>
</tr>
<tr>
<td>MOS 2 Wilshire/Western</td>
<td>Wilshire/Western</td>
<td>27.6</td>
<td>76.2</td>
<td>76.2</td>
<td>30.0</td>
</tr>
</tbody>
</table>

Source: Metro Travel Demand Model; Note: Transit times include wait times equal to half of headways

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**Table 4-6. Project Alternative Off-Peak Travel Time Comparison**
4.8 Transit Travel Times, Speed, and Reliability: Regional Travel

Impacts of alternatives include changes in key transit service characteristics such as speed and reliability. Under the Build Alternatives, a substantial reduction in travel times and improved service reliability are anticipated as compared to the No Build and TSM Alternatives.

Hollywood, Beverly Hills, and Santa Monica. These zone pairs were selected based on several factors such as:

The destination zones include major concentrations of employment in the Study Area.
The seven origin zones are spread throughout Los Angeles County.
Each origin includes an existing high capacity transit station on the Metro Red, Orange, Blue, and Purple lines or Metrolink commuter rail service. Figure 3-1 identifies each station on these rail lines.
In addition to reflecting geographic diversity, the origin locations also involve a demographic mix, including household income levels and a variation of concentrations of minority communities.

The origin zones are:

Pasadena (Del Mar Station), located on the existing Metro LRT Gold Line in Pasadena and northeast of the Study Area. From this location, access to the Westside is provided via transfer in Downtown Los Angeles at Union Station.
Located in the central part of Downtown Los Angeles, the Pershing Square Station is due east of the Study Area and is served by the existing Metro Purple and Red HRT lines. Direct HRT service is currently provided from this station to Central Wilshire.
South Los Angeles at the Florence Station is southeast of the Study Area on the existing LRT Metro Blue Line. Westside access can be provided with one transfer in Downtown Los Angeles.
Reseda in the central part of the San Fernando Valley at the existing Metro Orange Line Station BRT Station. The station is north of the Westside Study Area.
Covina is located east of Downtown Los Angeles and the Study Area at the existing Covina Metrolink commuter rail station. Access to the Westside from Covina can be provided with a transfer at Union Station in Downtown Los Angeles.
Wilshire Center (Wilshire/Western Purple Line Station) is located at the east end of the Study Area. For potential Westside subway extensions, this would be the starting point for service along Wilshire Boulevard.
North Hollywood, at the Metro North Hollywood Red/Orange Line Station, is the terminus for the Orange BRT line and the Red HRT line. The station is located north and east of the Study Area.

4.8.1 Transit Travel Times

Transit travel times are a major factor for determining transit demand. Several zone pairs were selected to show estimated a.m. peak hour travel times in 2035 under each alternative. The origin and destination locations are shown in Figure 4-1. The five destination zones, all located in the Study Area, encompass the four cities in the area: Los Angeles (including Century City and Westwood), West Hollywood, Beverly Hills, and Santa Monica.
Figure 4-1. Origins and Destinations for Transit Travel Times
Summary information on estimated 2035 a.m. peak-period transit travel times is presented in the following sections for the above zone pairs. There are very little travel-times differences for the No Build and TSM Alternatives (in most cases less than one minute). Accordingly, a single travel time (for the No Build Alternative) is identified in the following sections. The information presented in this section reflects complete implementation of the alternatives as defined in Chapter 2. Since the MOSs represent potential phasing of subway extensions, they are not included.

The estimated travel time variations among the alternatives reflect the extent of exclusive subway service that would be involved in making the trip. In several cases, such as travel from Pasadena to Century City or Downtown Los Angeles to Westwood, no variations in travel among Build Alternatives would occur. Similar travel times for these zone pairs would occur since the subway would be serving these destinations under each Build Alternative. In addition to the relative length of subway service under each alternative, variations in transit travel time would occur due to alignment options and number of station locations. However, most variations in travel time would be attributable to the extent of subway service for each alternative.

From Pasadena (Del Mar Gold Line Station)

Estimated transit travel times from Pasadena to various Westside destinations are shown in Figure 4-2. Under any alternative, a transfer would be necessary to complete the trip to the Westside. In the case of the Build Alternatives, the transfer would be at Union Station.

The travel times with the Build Alternatives would be generally much lower than the No Build/TSM Alternatives. Particularly major reductions in times would occur for travel to Century City, Beverly Hills, and Westwood. For trips to Santa Monica under Alternatives 1, 2, and 4, travel time would involve a bus transfer to complete the trip.

From Downtown Los Angeles (Pershing Square Station)
Estimated transit travel times from Downtown Los Angeles (Pershing Square Station) to various Westside destinations are shown in Figure 4-3. Under all alternatives, direct/no transfer transit access to the Westside would be available. However, even with direct bus access, the No Build/TSM Alternatives would have twice the travel time than the Build Alternatives for trips to Century City, Beverly Hills, and Westwood.

From South Los Angeles (Florence Blue Line Station)
The estimated transit travel times from South Los Angeles (Florence Blue Line Station) to various Westside destinations are shown in Figure 4-4. Under the Build Alternatives, transfers between the Blue and extended Purple Lines would be required in Downtown Los Angeles to complete the trip to Westside locations. Travel times to Santa Monica under the No Build/TSM Alternatives would be somewhat competitive with Alternatives 1 and 2. Because riders could use the planned Exposition LRT line that would provide quick transit access between South Los Angeles and the Westside.

From Reseda (Orange Line Station)
Estimated transit travel times from Reseda in the San Fernando Valley to Westside destinations are shown in Figure 4-5. Under all alternatives, transfers in either Hollywood or Wilshire/Vermont would be required to complete the trips. Under Alternatives 4 and 5, a potential subway extension to West Hollywood from the Hollywood/Highland Station would result in substantial travel time savings versus the No Build/TSM Alternatives. This would be particularly applicable to trips between Reseda and Westwood, West Hollywood, and Santa Monica. Under Alternatives 1, 2, and 4, transfers would occur at Wilshire and Vermont.
The estimated transit travel times from the Covina Metrolink Station to various Westside destinations are shown in Figure 4-6. Under all alternatives, transfers in Downtown Los Angeles at Union Station would be required to complete the trip to Westside locations. However, even with direct bus access from Downtown Los Angeles, the No Build/TSM Alternatives would have higher transit travel times than the Build Alternatives for all locations except West Hollywood under Alternatives 1, 2, and 3.

The estimated transit travel times from the Wilshire/Western Purple Line Station reflect an extension of HRT service within the Study Area. The estimated travel times from this location to various Westside destinations are shown in Figure 4-7. Major variations can be seen between the No Build/TSM Alternatives travel times and each of the Build Alternatives. Particularly, major variations can be seen for trips to Century City, Beverly Hills, Westwood, and Santa Monica. For example, transit travel time to Westwood would be 12 minutes as compared to 46 minutes under the No Build/TSM Alternative.

Estimated transit travel times from the existing Red Line North Hollywood Station represent an extension of an existing HRT service. Estimated peak-hour transit travel times from North Hollywood to selected Westside destinations are shown in Figure 4-8.
Under all alternatives, transfers at Wilshire/Vermont or Hollywood/Highland would be required to complete the trip to Westside locations. Substantial travel time reductions would occur under Alternatives 4 and 5 as compared to the No Build/TSM Alternatives. These alternatives would include direct subway service from North Hollywood to the Westside.

### 4.0 Future Transit Conditions with Project Alternatives

#### 4.8.1.1 Transit Speed and Reliability

The transit travel times presented above reflect estimated variations in transit speeds for the alternatives. As shown in Figure 4-9, transit speeds under the Build Alternatives would increase by over a factor of two versus the No Build/TSM Alternatives and existing conditions. Even allowing time spent for accessing subway service (including vertical movement to platforms), the substantial increases in speeds versus the No Build and TSM Alternatives conditions would result in reduced travel times. Transit speeds under the Build Alternatives contrast with reduced speeds under the No Build/TSM Alternatives compared to existing conditions. The degrading conditions under the No Build/TSM Alternatives would result from transit service, heavily dominated by buses operating in mixed traffic conditions, being subject to increasingly poor conditions.

In addition to higher transit speeds which result in reduced travel time, transit demand is highly influenced by reliability of service. Service reliability is measured in terms of actual service arrivals and transit travel times as compared to what is published in timetables. While some deviations could occur due to special conditions such as a traffic accident, close adherence between published and actual transit schedules and travel times should be expected.

Several factors can affect service reliability, including traffic incidences that can prevent adherence to bus schedules. However, the most dominant factor affecting transit service reliability is the extent of general-purpose traffic congestion on streets that are also used by buses. As is the case with existing conditions, the No Build and TSM Alternatives would involve mostly a mix of buses and general-purpose traffic. Only small segments of the Purple and Red HRT lines, located in the far eastern portions of the Study Area, provide transit operations in exclusive right-of-way. In addition, there may be a bus lane on Wilshire Boulevard that would improve service reliability as compared to current conditions. However, autos making right turns...
would still be mixed with buses and there also would be cross-traffic that buses would have to confront.

With the Build Alternatives, much higher levels of exclusive right-of-way service would be available to transit riders. As potential subway extensions proceed farther west, this level of exclusive transit operations versus exclusive-plus-mixed operations would gradually increase. The travel forecasting model can identify the extent of daily passenger miles that involve exclusive operations. The passenger miles information presented in this section involves service in the Study Area. But, for some routes, the coverage includes Downtown Los Angeles.

4.9 As indicated by Figure 4-10, there would be a relatively small share of passenger miles that involves exclusive operations under the No Build/ TSM Alternatives in 2035. With the Build Alternatives, the extent of passenger miles in exclusive operations would be substantially greater as compared to both the No Build and TSM Alternatives. As compared to about 5 percent under the No Build and TSM Alternatives, the shares under the Build Alternatives would range between 40 percent to over 50 percent.

With these much larger shares of passenger miles involving exclusive right-of-way and congestion-free service, transit reliability in the Study Area would be affected in a very positive way.

Variations in Transit Mode Shares

The effects of the Build Alternatives can also be shown by the estimated mode share changes within the Study Area as compared to the No Build and TSM Alternatives. The Travel Demand Model provides information on 2035 transit mode shares during peak periods for travel pairs within Los Angeles County. These travel pairs involve origins located in the vicinity of existing rail stations while the destinations are located in the Study Area. In comparison to the county-wide performance measure changes, the mode share information presented below reflects characteristics of the alternatives (for example, travel time) that would more directly affect the Study Area.

The following summarize estimated changes in mode shares during AM and PM peak periods for selected travel pairs between the No Build/TSM and Build Alternatives:

**WESTSIDE SUBWAY EXTENSION**
Pasadena (Del Mar Gold Line Station) to Century City
No Build/TSM: 18 percent
Build Alternatives: 22 percent

South-Central Los Angeles (Florence Blue Line Station) to Westwood/UCLA
No Build/TSM: 19 percent
Build Alternatives: 24 percent

Wilshire District (Wilshire/Western Purple Line Station) to Santa Monica (Wilshire Boulevard /4th Street)
No Build/TSM: 21 percent
Build Alternatives: 29 percent

North Hollywood (Orange-Red Line Stations) to West Hollywood (Santa Monica Boulevard/San Vicente Boulevard)
No Build/TSM: 13 percent
Build Alternatives: 19 percent

4.10 Summary

Using regional performance measures, ridership, mode of access, and travel time, it is possible to assess the transportation benefits of each MOS and Build Alternative.

As the number of subway stations increases, the number of auto trips declines and the number of transit trips increases. The greatest benefit, according to these regional performance measures, is achieved by Alternative 5 (1,821,000 linked daily transit trips), followed by Alternative 3 (1,816,000 linked daily transit trips) and Alternative 4 (1,812,000 linked daily transit trips).

With more stations, there are more opportunities for people to begin or end new trips on the subway. Under the metric of project trips, Alternative 5 has the most project trips (120,000), followed by Alternative 3 (105,000) and Alternative 4 (93,000).

Boardings data reflects the ability of project stations to attract subway trip origins. It also reflects the network effect of additional stations increasing the net gain in total trips. Alternative 5 is estimated to produce the greatest number of daily boardings (89,700), followed by Alternative 3 (71,000), and Alternative 4 (68,000).

Build Alternatives can be compared based on several measures. Alternative 5 has the highest share of other mode of access (16%), suggesting the highest share of rail-to-rail transfers. It also has a high share of walk access (58%) and a low share of bus access (24%). Alternative 3 predicts more people accessing subway stations on foot compared to Alternative 5 (64%), with a slightly greater amount of bus access (26%), and a much lower share of other access (8%). Compared to Alternative 5, Alternative
4 has lower shares of walk access (55%) and other access (15%) and a higher share of bus access (28%).

The mobility benefits of decreased travel time accrue to the Build Alternatives that provide the greatest amount of transit service along an exclusive Right of Way. Alternative 5 adds the greatest number of miles (25), followed by Alternative 4 (18), and Alternative 3 (12). A sampling of transit travel times originating from diverse locations in the Study Area finds that in every case, Alternative 5 experiences transit travel times equal to or faster than each of the other Build Alternatives. Alternative 5 also shows the greatest increase in transit operating speed and the greatest level of transit reliability. For all analyzed travel markets, the transit mode share under Alternative 5 is equal to or higher than the other Build Alternatives.

Based on these metrics, Alternative 5 would have the most transportation benefits among the Build Alternatives.
5.0 PEDESTRIAN/BICYCLE/BUS-RAIL INTERFACE

The purpose of this section is to describe the connections between Westside Subway Extension stations and the other transportation modes that interface with these stations. The interface between the Westside Subway Extension and other modes is important because no trip begins or ends directly at a station. Subway riders will walk, bicycle, take a bus, or be picked up/dropped off in private vehicles to continue or complete their trips. Providing efficient and safe connections between the Westside Subway Extension and the transportation modes that interface with it will ensure the best possible service for subway riders.

The interfacing transportation modes evaluated in this section include bus transit (specifically the location of bus stops), and pedestrian and bicycle facilities (pedestrian crossings and bicycle lanes). The possibility of pedestrian constriction at station locations was carefully reviewed, but the width of station area sidewalks is sufficient to dismiss this concern.

5.1 Wilshire/Crenshaw Station

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOSs and Build Alternatives.

5.1.1 Pedestrian & Bicycle Interface

This optional station is located between Bronson Avenue and Lorraine Boulevard, with a potential station entrance on the south side of Wilshire Boulevard on the Metro-owned property between Crenshaw and Lorraine Boulevards (see Figure 5-1).

The intersection of Crenshaw and Wilshire Boulevards is signalized with protected/permisive left-turn phasing on westbound Wilshire Boulevard. Marked crosswalks are currently provided on the south leg and the east leg of the intersection. There is no crosswalk across Wilshire Boulevard on the west leg of the intersection where the potential entrance is located. The intersection of
Lorraine and Wilshire Boulevards is unsignalized. No marked crosswalks are provided at this intersection.

Arden Boulevard north of Wilshire Boulevard is designated as a bicycle route. 4th Street, Lucerne Boulevard, Norton Avenue and Saint Andrews Place are designated as bicycle friendly streets. No bicycle facilities are located on either Crenshaw or Wilshire Boulevards.
Figure 5-1. Wilshire/Crenshaw Station
5.1.2 **Bus Interface**

Figure 5-1 also illustrates bus stop locations. Bus stops for Metro Rapid Line 720 are on the north side of Wilshire Boulevard, just east of Lorraine Boulevard (westbound buses) and on the south side of Wilshire Boulevard east of Crenshaw Boulevard (eastbound buses). Bus stops for Metro Rapid Line 710 are on the west side of Crenshaw Boulevard, just south of Wilshire Boulevard (southbound buses) and at the eastbound Rapid Line 720 bus stop on the south side of Wilshire Boulevard east of Crenshaw Boulevard (northbound buses). Bus stops for Metro Line 20 are on the north side of Wilshire Boulevard, west of Lorraine Boulevard (westbound bus), and on the south side of Wilshire Boulevard, west of Crenshaw Boulevard and directly in front of the potential station entrance (eastbound bus). Bus stops for Metro Line 210 are at the Rapid Line 710 bus stop on the west side of Crenshaw Boulevard, just south of Wilshire Boulevard (southbound buses) and on the east side of Crenshaw Boulevard just south of Wilshire Boulevard (northbound buses).

5.2 **Wilshire/La Brea Station**

The following MOSs and Build Alternatives include this station:

- MOS 1
- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOSs and Build Alternatives.

5.2.1 **Pedestrian & Bicycle Interface**

This station is between La Brea and Cloverdale Avenues with three potential station entrances: on the northwest, southwest, and southeast corners of the intersection of La Brea Avenue and Wilshire Boulevard (see Figure 5-2).

The intersection of La Brea Avenue and Wilshire Boulevard is signalized with protected/permissive phasing on Wilshire Boulevard and northbound on La Brea Boulevard and with protected left-turn phasing southbound on La Brea Boulevard. Marked crosswalks are provided on all legs of the intersection. The intersection of Detroit Street and Wilshire Boulevard is signalized with permissive phasing in all four directions. Marked crosswalks are currently
Figure 5-2. Wilshire/La Brea Station
provided on all legs of the intersection. Raised medians are provided on Wilshire Boulevard both east and west of Detroit Street.

4th Street, 8th Street, Sierra Bonita Avenue, Cochran Avenue, and Mansfield Avenue are designated as bicycle friendly streets. In the Draft Los Angeles Bicycle Plan Update, bicycle routes are proposed for 3rd Street and 6th Street west of Cochran Avenue. No bicycle facilities are located on either La Brea Avenue or Wilshire Boulevard.

5.2.2 Bus Interface

Figure 5-2 also illustrates bus stop locations. Bus stops for Metro Rapid Line 720 are on the north side of Wilshire Boulevard, just west of La Brea Avenue (westbound bus) and on the south side of Wilshire Boulevard east of La Brea Avenue (eastbound buses). Bus stops for Metro Line 20 are on the north side of Wilshire Boulevard, west of La Brea Avenue immediately adjacent to the Rapid stop, (westbound bus), and on the south side of Wilshire Boulevard, west of La Brea Avenue (eastbound buses). Bus stops for Metro Lines 212 and 312 are on the west side of La Brea Avenue just north of Wilshire Boulevard (southbound buses) and on the east side of La Brea Avenue just south of Wilshire Boulevard (northbound buses). The bus stop for the DASH Fairfax Line (clockwise buses) is located at the southbound Metro Lines 212/312 stop.

5.3 Wilshire/Fairfax Station

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOSs and Build Alternatives.

5.3.1 Pedestrian & Bicycle Interface

This station is under the center of Wilshire Boulevard, immediately west of Fairfax Avenue, extending almost to the intersection with Crescent Heights (see Figure 5-3). There are two potential station entrances: on the northwest and north east corner of the intersection of Wilshire Boulevard and Fairfax Avenue.
Figure 5-3. Wilshire/Fairfax Station
The intersection of Fairfax Avenue and Wilshire Boulevard is signalized with protected/permissive phasing on Wilshire Boulevard and northbound on Fairfax Avenue and with protected left-turn phasing southbound on Fairfax Avenue. Marked crosswalks are currently provided on all legs of the intersection. A raised median is provided on Wilshire Boulevard east of Fairfax Avenue.

Del Valle Drive, Curson Avenue, Sierra Bonita Avenue, 4th Street, 8th Street, and Mansfield Avenue are designated as bicycle friendly streets. In the Draft Los Angeles Bicycle Plan Update, bicycle routes are proposed for 3rd Street and 6th Street west of Cochran Avenue. No bicycle facilities are located on either La Brea Avenue or Wilshire Boulevard.

5.3.2 Bus Interface

Figure 5-3 also illustrates bus stop locations. Bus stops for Metro Rapid Lines 720 and 920 are on the north side of Wilshire Boulevard, east of Fairfax Avenue (westbound buses) and on the south side of Wilshire Boulevard east of Fairfax Avenue (eastbound buses). Bus stops for Metro Rapid Line 780 and Line 217 are located on the west side of Fairfax Avenue, south of Wilshire Boulevard (southbound buses) and on the east side of Fairfax Avenue, north of Wilshire Boulevard (northbound buses). Bus stops for Metro Line 20 are on the north side of Wilshire Boulevard, west of Fairfax Avenue (westbound buses), and on the south side of Wilshire Boulevard, west of Fairfax Avenue (eastbound buses). The bus stop for the DASH Fairfax Line (clockwise buses), is located at the westbound Metro Rapid 720/920 bus stop. Commuter service provided by Antelope Valley Transit Line 786 also serves this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.3.3 Wilshire/Fairfax Optional Station (Option B)

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOSs and Build Alternatives.
5.3.3.1 Pedestrian & Bicycle Interface

The Wilshire/Fairfax Optional Station would be located east of the base Wilshire/Fairfax Station, underneath the intersection of Wilshire Boulevard and Fairfax Avenue (see Figure 5-4). There are three potential station entrances: on the northwest corner of the intersection of Wilshire Boulevard and Fairfax Avenue; on the northeast corner of the intersection of Wilshire Boulevard and Fairfax Avenue on the LACMA property; and on the southeast corner of the intersection of Orange Grove Avenue and Wilshire Boulevard, across from LACMA.

The signal controls and crosswalk facilities of the intersection of Fairfax Avenue and Wilshire Boulevard have been described above for the Wilshire/Fairfax Station location. The intersection of Orange Grove Avenue and Wilshire Boulevard is unsignalized, with stop controls on the south leg of the intersection. No marked crosswalks are currently provided on any legs of the intersection.

The bicycle facilities have been described above for the Wilshire/Fairfax Station location.

5.3.3.2 Bus Interface

Bus stop locations have been described above for the Wilshire/Fairfax Station location.

5.4 Wilshire/La Cienega Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOSs and Build Alternatives.
Figure 5-4. Wilshire/Fairfax Optional Station
5.4.1 Pedestrian & Bicycle Interface

This station is under the center of Wilshire Boulevard, immediately east of La Cienega Boulevard (see Figure 5-5). There are two potential station entrances: on the northeast corner of the intersection of La Cienega and Wilshire Boulevards and on the southwest corner of the intersection of Hamilton Drive and Wilshire Boulevard, in front of the Flynt building. A transfer to the West Hollywood alignment is not provided with this station; a track connection to West Hollywood is provided via a separate connection structure at Robertson Boulevard.

The intersection of La Cienega and Wilshire Boulevard is signalized with protected/permissive phasing in all four directions. Marked crosswalks are provided on all legs of the intersection. The intersection of Hamilton Drive and Wilshire Boulevard is unsignalized, with stop controls on the north and south legs of the intersection. No marked crosswalks are currently provided on any legs of the intersection.

Sweetzer Avenue is designated as a bicycle friendly street. In the Draft Los Angeles Bicycle Plan Update, bicycle routes are proposed for 3rd Street and 6th Street. No bicycle facilities are located on either La Cienega or Wilshire Boulevards.

5.4.2 Bus Interface

Figure 5-5 also illustrates bus stop locations. The bus stops for Metro Rapid Line 720 and Metro Line 20 are located on the north side of Wilshire Boulevard, west of La Cienega Boulevard (westbound buses) and on the south side of Wilshire Boulevard east of La Cienega Boulevard (eastbound buses). Bus stops for Metro Rapid Line 705 are on the west side of La Cienega Boulevard, just south of Wilshire Boulevard (southbound buses) and on the east side of La Cienega Boulevard, north of Wilshire Boulevard (northbound bus). Bus stops for Metro Line 105 are on the west side of La Cienega Boulevard, north of Wilshire Boulevard (southbound buses) and on the east side of La Cienega Boulevard, south of Wilshire Boulevard (northbound buses). Commuter service provided by Antelope Valley Transit Line 786 also serves this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.
Figure 5-5. Wilshire/La Cienega Station
5.4.3 Wilshire/La Cienega Optional Station (Option C)

The following MOSs and Build Alternatives include this station:

- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOS and Build Alternatives.

5.4.3.1 Pedestrian & Bicycle Interface

The station box extends from the intersection of Le Doux Road and Wilshire Boulevard on the east to just west of the intersection of Carson Road and Wilshire Boulevard on the west (see Figure 5-6). There are two potential station entrances: on the northwest corner of the intersection of Le Doux Road and Wilshire Boulevard, and on the northwest corner of the intersection of La Cienega and Wilshire Boulevards in front of Cedars-Sinai Medical Group. The location of this station farther west of the Wilshire/La Cienega intersection allows it to be a transfer station with the West Hollywood alignment.

The signal controls and crosswalk facilities of the intersection of La Cienega and Wilshire Boulevards have been described above for the preferred station location.

The intersection of Le Doux Road and Wilshire Boulevard is unsignalized with stop controls on the south leg of the intersection. No marked crosswalks are currently provided on any legs of the intersection. Further to the west, the intersection of Stanley Drive and Wilshire Boulevard is unsignalized with stop controls on the south leg of the intersection. No marked crosswalks are currently provided on any legs of the intersection.

No marked bicycle lanes or other bicycle facilities are provided in the vicinity of this optional station location.

5.4.3.2 Bus Interface

Bus stops at the intersection of La Cienega and Wilshire Boulevards are described above under the Wilshire/La Cienega Station location. Additional bus stops (illustrated in Figure 5-6) for Metro Line 20 are on the north side of Wilshire Boulevard, west of Stanley Drive (westbound buses) and on the south side of Wilshire Boulevard west of Stanley Drive (eastbound buses).
Figure 5-6. Wilshire/La Cienega Optional Station
5.5 Wilshire/Rodeo Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOS and Build Alternatives.

5.5.1 Pedestrian & Bicycle Interface

This station is under the center of Wilshire Boulevard, beginning just west of North Canon Drive and extending to El Camino Drive (see Figure 5-7). There are five potential station entrances: on the northwest corner of the intersection of Beverly Drive and Wilshire Boulevard; on the northeast corner of the intersection of Beverly Drive and Wilshire Boulevard; on the northwest corner of the intersection of Canon Drive and Wilshire Boulevard; on the southeast corner of the intersection of El Camino Drive and Wilshire Boulevard; and on the southwest corner of the intersection of Reeves Drive and Wilshire Boulevard.

The intersection of Beverly Drive and Wilshire Boulevards is signalized with protected left-turn phasing along Wilshire Boulevard and permissive left-turn phasing along Beverly Drive. Marked crosswalks are provided on all legs of the intersection. The intersection of Canon Drive and Wilshire Boulevards is signalized with protected left-turn phasing along Wilshire Boulevard and permissive left-turn phasing along Canon Drive. Marked crosswalks are currently provided on the north and west legs of the intersection and on the east leg after a sizable setback. The intersection of El Camino Drive and Wilshire Boulevard is signalized with a protected-permitted right-turn only phasing on El Camino Drive. Marked crosswalks are provided on the south and west legs of the intersection. The intersection of Reeves Drive and Wilshire Boulevard is unsignalized and stop-controlled in the northbound direction of Reeves Drive. There are no marked crosswalks at this intersection.

No marked bicycle lanes or other bicycle facilities are provided in the vicinity of this station location.
Figure 5-7. Wilshire/Rodeo Station

Legend:
- Station Box
- Proposed Subway Alignment
- 1/4 Mile Walkability
- 1/2 Mile Walkability

Bicycle Facilities:
- Existing Bicycle Path
- Proposed Bicycle Path
- Existing Bicycle Lane
- Proposed Bicycle Lane
- Existing Bicycle Route
- Proposed Bicycle Route
- Bicycle Friendly Street

Bus Network:
- Metro Rapid
- Metro Express
- Metro Local
- Other Service Providers *

Range of Daily Station Boardings:
4,585 (Alt 2) to 7,682 (MOS 2)
5.5.2 Bus Interface

Figure 5-7 also illustrates bus stop locations. Bus stops for Metro Rapid Lines 720 and 920 are located on the north side of Wilshire Boulevard west of Beverly Drive (westbound buses), and on the south side of Wilshire Boulevard east of Beverly Drive (eastbound buses). Bus stops for Metro Line 20 are located on the north side of Wilshire Boulevard, east of Beverly Drive with an additional stop west of Rodeo Drive (westbound buses) and on the south side of Wilshire Boulevard west of Beverly Drive with an additional stop west of El Camino Drive (eastbound buses). Bus stops for Metro Line 14 are on the west side of Beverly Drive, south of Wilshire Boulevard (southbound buses) and on the side of Wilshire Boulevard east of Beverly Drive shared with the Rapid bus stop (northbound buses). Commuter service provided by Antelope Valley Transit Line 786 also serves this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.6 Century City Station

The following MOSs and Build Alternatives include this station:

- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOS and Build Alternatives.

5.6.1 Pedestrian & Bicycle Interface

This station is centered under Santa Monica Boulevard, with the station box centered on Avenue of the Stars and the western end extending to Club View Drive (see Figure 5-8). There are three potential station entrances: on the southeast corner of the intersection of Santa Monica Boulevard and Avenue of the Stars; on the southwest corner of the intersection of Santa Monica Boulevard and Avenue of the Stars; and at the Westfield Mall entrance mid-block south of Santa Monica Boulevard and west of Avenue of the Stars.

The intersection of Avenue of the Stars and Santa Monica Boulevard is signalized with protected left-turn phasing in all directions and right-turn overlaps eastbound on Santa Monica Boulevard and northbound on Avenue of the Stars. Marked crosswalks are currently provided on the south and east legs of the intersection.
Figure 5-8. Century City Station
Bicycle lanes are provided on Santa Monica Boulevard. Missouri Avenue and Prosser Avenue are designated as bicycle friendly streets.

5.6.2 Bus Interface

Figure 5-8 also illustrates bus stop locations. Bus stops for Metro Rapid Line 704 and Line 4 are on the north side of Santa Monica Boulevard, just west of Avenue of the Stars (westbound buses) and in the center median of Santa Monica Boulevard just east of Avenue of the Stars Beverly Drive (eastbound buses). Bus stops for Metro Rapid Line 728, and Metro Lines 16/316 and 28 are on the north side of Santa Monica Boulevard, just west of Avenue of the Stars (eastbound buses) and on the east side of Avenue of the Stars south of Santa Monica Boulevard (westbound buses). Commuter service provided by Antelope Valley Transit Line 786, Commuter Express Lines 534 and 573, and Santa Clarita Transit Lines 792 and 797 also serve this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.6.3 Century City Optional Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed MOS and Build Alternatives.

5.6.3.1 Pedestrian & Bicycle Interface

This station is under Constellation Boulevard, straddling Avenue of the Stars and extending westward toward MGM Drive (see Figure 5-9). There are four potential station entrances: on the northeast, southeast, and southwest corners of the intersection of Constellation Boulevard and Avenue of the Stars; and on the north side of Constellation Boulevard at MGM Drive.

The intersection of Avenue of the Stars and Constellation Boulevard is signalized with protected/permissive left-turn phasing along Constellation Boulevard, protected left-turn phasing along Avenue of the Stars, and right-turn overlap phasing eastbound on Constellation Boulevard. Marked crosswalks are currently provided on all legs of the intersection. Bicycle facilities are described above for the Century City Station.
Figure 5-9. Century City Optional Station
5.6.3.2 **Bus Interface**

Figure 5-9 also illustrates bus stop locations. Bus stops for Metro Lines 16/316, 28, and 728, Big Blue Bus Line 5, and Culver City Line 3, are located on the west side of MGM Drive, south of Constellation Boulevard. Big Blue Bus Line 5 and Culver City Line 3 also have stops east of Avenue of the Stars south of Constellation Boulevard. Only Big Blue Bus Line 5 has westbound stops in the station area, north of Constellation Boulevard west of MGM Drive and north of Constellation Boulevard west of Avenue of the Stars. Commuter service provided by Commuter Express Lines 534 and 573, and Santa Clarita Transit Lines 792 and 797 also serve this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.7 **Westwood/UCLA Station**

The following Build Alternatives include this station:

Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.7.1 **Pedestrian & Bicycle Interface**

This station is located under the UCLA Lot 36 on the north side of Wilshire Boulevard between Gayley and Veteran Avenues (see Figure 5-10). There are four potential station entrances: on the northwest corner of the intersection of Gayley/Midvale Avenues and Wilshire Boulevard; on the southeast corner of the intersection of Veteran Avenue and Wilshire Boulevard; on the north end of Lot 36 near Kinross Avenue; and on the eastern end of Lot 36 near Lindbrook Drive.

The intersection of Gayley/Midvale Avenues and Wilshire Boulevard is signalized with protected left-turn phasing eastbound on Wilshire Boulevard, protected/permissive left-turn phasing northbound on Midvale Avenue, permissive phasing westbound on Wilshire Boulevard and southbound on Gayley Avenue, and right-turn overlap phasing southbound on Gayley Avenue. Marked crosswalks are provided on all legs of the intersection.
Figure 5-10. Westwood/UCLA Station - Off-Street
A bicycle path is located south of Rochester Avenue and west of Veteran Avenue. Bicycle lanes are provided on Le Conte Avenue, a short portion of Gayley Avenue, and Westwood Boulevard south of Rochester Avenue. A short portion of Tiverton and Glendon Avenues are designated as bicycle routes. In the Draft Los Angeles Bicycle Plan Update, a bicycle route is designated on Rochester Avenue between the existing bicycle path and Westwood Boulevard.

5.7.2 Bus Interface

Figure 5-10 also illustrates bus stop locations. Bus stops for Metro Rapid Lines 720 and 920 are at Westwood Boulevard, and are described below for the optional station location. The bus stops for Metro Line 20 and Big Blue Bus Lines 1, 2 and 3 are on the north side of Wilshire Boulevard, east of Veteran Avenue (westbound buses) and on the south side of Wilshire Boulevard west of Veteran Avenue (eastbound buses). The bus stop for Culver City Bus Rapid Line 6 is on the south side of Wilshire Boulevard west of Veteran Avenue (northbound buses). Southbound Culver City Bus Rapid Line 6 and Line 6 buses travel south on Westwood Boulevard. Commuter service provided by Antelope Valley Transit Line 786, Commuter Express Lines 431, 534 and 573, and Santa Clarita Transit Lines 792 and 797 also serve this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.7.3 Westwood/UCLA Optional Station (Option E)

The following Build Alternatives include this station:

- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.7.3.1 Pedestrian & Bicycle Interface

This station would be located under the center of Wilshire Boulevard, immediately west of Westwood Boulevard (see Figure 5-11). There are five potential station entrances: on the northwest corner of the intersection of Gayley
Figure 5-11. Westwood/UCLA Optional Station
Avenue and Wilshire Boulevard intersection near Lot 36 and the proposed hotel development; on the sidewalks on the northwest, southwest, and southeast corners of the intersection of Westwood and Wilshire Boulevards; and on the southeast corner of the intersection of Midvale Avenue and Wilshire Boulevard.

The intersection of Westwood and Wilshire Boulevards is signalized with protected left-turn phasing along Wilshire Boulevard, protected/permissive phasing northbound on Westwood Boulevard, permissive phasing southbound on Westwood Boulevard, and right-turn overlap phasing southbound on Westwood Boulevard. Marked crosswalks are provided on all legs of the intersection. The intersection of Gayley/Midvale Avenues and Wilshire Boulevard is signalized with protected left-turn phasing eastbound on Wilshire Boulevard, protected/permissive left-turn phasing northbound on Midvale Avenue, permissive phasing westbound on Wilshire Boulevard and southbound on Gayley Avenue, and right-turn overlap phasing southbound on Gayley Avenue. Marked crosswalks are provided on all legs of the intersection.

Bicycle facilities have been described above for the Westwood/UCLA Station.

5.7.3.2 Bus Interface

Figure 5-11 also illustrates bus stop locations. Bus stops for Metro Rapid Lines 720 and 920, as well as Metro Line 20, are on the north side of Wilshire Boulevard, west of Westwood Boulevard (westbound buses) and on the south side of Wilshire Boulevard east of Westwood Boulevard (eastbound buses). Bus stops for Metro Rapid Line 761 are on the north side of Wilshire Boulevard, west of Westwood Boulevard at the 720/920 Rapid stop (southbound buses) and on the east side of Westwood Boulevard south of Lindbrook Drive (northbound buses).

Bus stops for Metro Line 233 are located on the north side of Wilshire Boulevard, west of Westwood Boulevard at the 720/920 Rapid stop (southbound buses) and on the east side of Westwood Boulevard south of Lindbrook Drive (northbound buses). Bus stops for Big Blue Bus Lines 1, 2 and 3 are on the west side of Westwood Boulevard (westbound buses) north of Wilshire Boulevard, and on the east side of Westwood Boulevard (eastbound buses) south of Lindbrook Drive (westbound buses). Bus stops for Big Blue Bus Lines 8 and 12 are on the west side of Westwood Boulevard (southbound buses) north of Wilshire Boulevard, and on the east side of Westwood Boulevard (northbound buses) south of Lindbrook Drive. Bus stops for Culver City Bus Rapid Line 6 and Line 6 are on Westwood Boulevard north of Wilshire Boulevard (southbound buses), and on the west side of Westwood Boulevard south of Lindbrook Drive (northbound buses). Commuter service provided by Antelope Valley Transit Line 786, Commuter Express Lines 431, 534 and 573, and Santa Clarita Transit Lines 792 and 797 also serve this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.
5.8 Westwood/VA Hospital Station

The following Build Alternatives include this station:

Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.8.1 Pedestrian & Bicycle Interface

This station is below the VA Hospital parking lot in between the I-405 exit ramp and Bonsall Avenue (see Figure 5-12) on the south side of Wilshire Boulevard. The station would have an at-grade entrance plaza with a fare collection area and pedestrian connections to VA buildings and Bonsall Avenue.

The intersection of Bonsall Avenue and Wilshire Boulevard is grade-separated, with Wilshire Boulevard passing over Bonsall Avenue. Access ramps from Wilshire Boulevard provide one-way vehicular access to Bonsall Avenue, both to the north and south of Wilshire Boulevard. The intersections of Bonsall Avenue and the Wilshire Boulevard access ramps are unsignalized, with stop controls on the Wilshire Boulevard access roads. Marked crosswalks are currently provided on the west and south legs of the intersection of Bonsall Avenue and the eastbound Wilshire Boulevard access ramp and on the west and north legs of the intersection of Bonsall Avenue and the westbound Wilshire Boulevard access ramp. A sidewalk is provided through the Bonsall Avenue underpass that provides pedestrian links between these intersections.

The bicycle path described in Section 5.7.1 continues on Ohio Avenue to Purdue Avenue. San Vicente Boulevard (westbound) designated as a bicycle route west of Federal Avenue. In the Draft Los Angeles Bicycle Plan Update, a bicycle path is proposed on San Vicente Boulevard (eastbound).

The intersection of Federal Avenue and Wilshire Boulevard is signalized with protected left-turn phasing westbound on Wilshire Boulevard, permissive phasing eastbound on Wilshire Boulevard, northbound/southbound split phasing on San Vicente/Federal Avenues, and right-turn overlap phasing northbound on Federal Avenue. Marked crosswalks are provided on all legs of the intersection.
5.8.2 Bus Interface

The westbound bus stops for Metro Rapid Line 720, Metro Line 20 and Big Blue Bus Line 3 are on the north side of Wilshire Boulevard, in a bus-only turnout on the Wilshire Boulevard overpass of Bonsall Avenue. The eastbound bus stop is on a similar bus-only turnout on the south side of Wilshire Boulevard. The eastbound and westbound bus stops for Big Blue Bus Line 2 are located at the intersection of Bonsall Avenue and the Wilshire Boulevard access ramps. Northbound and southbound stops for Big Blue Bus Line 4 are located on Bonsall Avenue, north and south of the Wilshire Boulevard access ramps.
Figure 5-12. Westwood/VA Hospital Station
5.8.3 Westwood/VA Hospital Optional Station (Option F)

The following Build Alternatives include this station:

Alternative 2
Alternative 3
Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.8.3.1 Pedestrian & Bicycle Interface

This station would be on the north side of Wilshire Boulevard west of Bonsall Avenue (see Figure 5-13). The station would have an at-grade entrance plaza with a fare collection area and pedestrian connections to VA buildings and Bonsall Avenue. The signal controls and crosswalk facilities of the grade-separated intersection of Bonsall Avenue and Wilshire Boulevard have been described above for the preferred station location.

The bicycle path described in Section 5.7.1 continues on Ohio Avenue to Purdue Avenue. San Vicente Boulevard (westbound) designated as a bicycle route west of Federal Avenue. In the Draft Los Angeles Bicycle Plan Update, a bicycle path is proposed on San Vicente Boulevard (eastbound).

5.8.3.2 Bus Interface

Bus stop locations have been described above for the Westwood/VA Hospital Station location.

5.9 Wilshire/Bundy Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.9.1 Pedestrian & Bicycle Interface

The station is under Wilshire Boulevard, east of Bundy Drive, extending just east of Saltair Avenue (see Figure 5-14). There are two potential station entrances: on the northeast and southeast corners of the intersection of Bundy Drive and Wilshire Boulevard.
Figure 5-13. Westwood/VA Hospital Optional Station
Figure 5-14. Wilshire/Bundy Station
The intersection of Bundy Drive and Wilshire Boulevard is signalized with protected/permissive phasing in all four directions. Marked crosswalks are provided on all legs of the intersection.

Bicycle lanes are provided on Ohio Avenue west of Centinela Avenue. Portions of Ohio Avenue, Texas Avenue, Arizona Avenue, Westgate Avenue, and Yale Street, are designated as bicycle routes. Portions of Ohio, Idaho, and Carmelina Avenues are designated as bicycle friendly streets.

5.9.2 Bus Interface

Figure 5-14 also illustrates bus stop locations. Bus stops for Metro Rapid Line 720 are located on the north side of Wilshire Boulevard, west of Bundy Drive (westbound buses) and on the south side of Wilshire Boulevard east of Bundy Drive (eastbound buses). Bus stops for Metro Line 20 and Big Blue Bus Line 2 are on the north side of Wilshire Boulevard, east of Bundy Drive (westbound buses) and on the south side of Wilshire Boulevard west of Beverly Drive (eastbound buses). Bus stops for Big Blue Bus Line 14 are on the east side of Bundy Drive south of Wilshire Boulevard (northbound buses), and on the west side of Bundy drive north of Wilshire Boulevard (southbound buses).

5.10 Wilshire/26th Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.10.1 Pedestrian & Bicycle Interface

This station is under Wilshire Boulevard, with the eastern end east of 26th Street and the western end west of 25th Street, midway between 25th Street and Chelsea Avenue (see Figure 5-15). There are two potential station entrances: on the northeast and northwest corners of the intersection of 26th Street and Wilshire Boulevard.

The intersection of 26th Street and Wilshire Boulevard is signalized with protected/permisive phasing in all directions. Marked crosswalks are provided on all legs of the intersection.
Figure 5-15. Wilshire/26th Station
Bicycle lanes are provided on Arizona Avenue west of 26th Street and on Broadway Street. In the City of Santa Monica’s Land Use and Circulation Element (LUCE) bicycle lanes are proposed on 20th and 26th Street. Washington Avenue west of Stanford Street, Arizona Avenue east of 26th Street, and Yale Street are designated as bicycle routes. In the LUCE, additional bicycle routes are proposed for California Avenue west of 26th Street, and on 23rd Street and Chelsea Avenue.

5.10.2 Bus Interface

Figure 5-15 also illustrates bus stop locations. Bus stops for Metro Rapid Line 720, Metro Line 20, and Big Blue Bus Line 2 are located on the north side of Wilshire Boulevard, east of 26th Street (westbound buses) and on the south side of Wilshire Boulevard east of 26th Street (eastbound buses).

5.11 Wilshire/16th Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.11.1 Pedestrian & Bicycle Interface

This station would be under Wilshire Boulevard with the eastern end just west of 16th Street and the western end west of 15th Street (see Figure 5-16). There are three potential station entrances: on the northwest and northeast corners of the intersection of 15th Street and Wilshire Boulevard, and on the south side of Wilshire Boulevard, mid-block between 15th and 16th Streets.

The intersection of 16th Street and Wilshire Boulevard is unsignalized with stop controls on northbound and southbound 16th Street. Marked crosswalks are provided on all legs of the intersection. A raised median with mid-block pedestrian refuge is provided on Wilshire Boulevard both east and west of 16th Street. The intersection of 15th Street and Wilshire Boulevard is signalized with permissive phasing in all directions. Marked crosswalks are provided on all legs of the intersection. The intersection of 14th Street and Wilshire Boulevard is signalized with permissive phasing in all directions. Marked crosswalks are provided on all legs of the intersection.
Figure 5-16. Wilshire/16th Station
Bicycle lanes are provided on Montana and California Avenues west of 17th Street, on Arizona Avenue, Broadway Street, and 7th and 17th Street south of Wilshire Boulevard. Bicycle routes are designated on Washington Avenue, 7th Street, and portions of Lincoln Boulevard. In the LUCE, bicycle lanes are proposed on 5th and 6th Street, and bicycle routes are proposed on California Avenue, Lincoln Boulevard north of Wilshire Boulevard, and 23rd Street.

5.11.2 Bus Interface

Figure 5-16 also illustrates bus stop locations. Bus stops for Metro Rapid Line 720 are on the north side of Wilshire Boulevard, east of 14th Street (westbound buses) and on the south side of Wilshire Boulevard west of 14th Street (eastbound buses). Bus stops for Metro Line 20 and Big Blue Bus Line 2 are on the north side of Wilshire Boulevard, east of 14th Street, with an additional stop east of 16th Street (westbound buses) and on the south side of Wilshire Boulevard west of 14th Street, with an additional stop west of 16th Street (eastbound buses).

5.12 Wilshire/4th Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.12.1 Pedestrian & Bicycle Interface

This station is under Wilshire Boulevard and is a long station box that extends from just west of 6th Street on the east to just east of Ocean Avenue on the west (see Figure 5-17). There are two potential station entrances: on the northeast and southeast corners of the intersection of 4th Street and Wilshire Boulevard.

The intersection of 4th Street and Wilshire Boulevard is signalized with protected/permissive phasing westbound on Wilshire Boulevard and permissive phasing in all other directions. Marked crosswalks are provided on all legs of the intersection.

A bicycle path is provided on the beach. Bicycle lanes are provided on California Avenue, portions of Arizona Avenue, portions of Broadway Street, Ocean Avenue, 7th Street, and 11th Street. Bicycle routes are designated on Washington Avenue, and portions of 7th Street and Lincoln Boulevard. In the LUCE, bicycle lanes are proposed on portions of 5th and 6th Street, and bicycle routes are proposed on portions of 2nd and 5th Streets, and Lincoln Boulevard.
Figure 5-17. Wilshire/4th Station
5.12.2 Bus Interface

Figure 5-17 also illustrates bus stop locations. Bus stops for Metro Rapid Lines 720/920 and Metro Line 20 are on the north side of Wilshire Boulevard, east of 4th Street (westbound buses) and on the south side of Wilshire Boulevard west of 4th Street (eastbound buses). The bus stop for eastbound Big Blue Bus Lines 2, 3, and 4, and northbound Big Blue Bus Line 9 is on the east side of 4th Street south of Wilshire Boulevard. The bus stop for westbound Big Blue Bus Lines 2, 3, and 4, and southbound Big Blue Bus Lines Rapid 3, Line 3 and Line 9 are on the west side of 4th Street south of Wilshire Boulevard.

5.13 Hollywood/Highland Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.13.1 Pedestrian & Bicycle Interface

This station is under Highland Avenue (see Figure 5-18). The station would provide a transfer option to the existing Hollywood/Highland station under Hollywood Boulevard. In addition to the existing Metro entrance on the north side of Hollywood Boulevard west of Highland Avenue, three potential station entrances are under consideration: on the northeast corner of the intersection of Highland Avenue and Selma Avenue, on the south side of Hollywood Boulevard east of Highland Avenue, and on the northwest corner of Highland Avenue and Hawthorne Avenue.

The intersection of Highland Avenue and Hollywood Boulevard is signalized with protected/permissive left-turn phasing in all directions and right-turn overlap phasing along Wilshire Boulevard. Marked crosswalks are provided on all legs of the intersection. The intersection of Highland Avenue and Hawthorn Avenue is unsignalized with stop controls on the eastbound and westbound approaches. Marked crosswalks are currently not provided on any legs of the intersection. The intersection of Highland Avenue and Selma Avenue is signalized with permissive phasing in all directions. Marked crosswalks are provided on the southern and eastern legs of the intersection.

A bicycle route is designated on Fountain Avenue west of La Brea Avenue, and Orange Drive is designated as a bicycle friendly street. In the Draft Los Angeles Bicycle Plan Update, Fountain Avenue is proposed to be designated as a bicycle route east of La Brea Avenue.
Figure 5-18. Hollywood/Highland Station
5.13.2 Bus Interface

Figure 5-18 also illustrates bus stop locations. Bus stops for Metro Rapid Line 780 and Metro Line 217 (westbound buses), Metro Lines 212/312 and 222 (southbound buses), and the DASH West Hollywood Line (westbound buses) are on the north side of Hollywood Boulevard, west of Highland Avenue.

Bus stops for Metro Rapid Line 780 and Metro Line 217 (eastbound buses) and Metro Lines 212/312 and 222 (northbound buses) are on the south side of Hollywood Boulevard east of Highland Avenue. Bus stops for Metro Lines 156/656 and the DASH Hollywood Line are on the east side of Highland Avenue north of Hollywood Boulevard (northbound buses) and on the west side of Highland Avenue (southbound buses). The bus stop for the DASH West Hollywood Line (eastbound) is also on the east side of Highland Avenue north of Hollywood Boulevard.

5.14 Santa Monica/La Brea Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.14.1 Pedestrian & Bicycle Interface

This station is under Santa Monica Boulevard, just west of La Brea Avenue, and extends westward to the center of the Santa Monica Boulevard/Formosa Avenue intersection (see Figure 5-19). There are four potential station entrances: on the northwest, northeast, southeast and southeast corners of the intersection of La Brea Avenue and Santa Monica Boulevard.

The intersection of La Brea Avenue and Santa Monica Boulevard is signalized with protected/permissive left-turn phasing in all directions. Marked crosswalks are provided on all legs of the intersection.

A bicycle route is designated on Fountain Avenue west of La Brea Avenue, and Waring Avenue and Orange Drive are designated as bicycle friendly streets. In the Draft Los Angeles Bicycle Plan Update, Fountain Avenue is proposed to be designated as a bicycle route east of La Brea Avenue.

5.14.2 Bus Interface

Figure 5-19 also illustrates bus stop locations. Bus stops for Metro Rapid Line 704 and Metro Line 4 are on the north side of Santa Monica Boulevard, west of La Brea Avenue (westbound buses) and on the south side of Santa Monica Boulevard.
Figure 5-19. Santa Monica/La Brea Station
Boulevard west of La Brea Avenue (eastbound buses). Bus stops for local Metro Lines 212/312 are on the east side of La Brea Avenue south of Santa Monica Boulevard (northbound buses) and on the west side of La Brea Avenue north of Santa Monica Boulevard (southbound buses). The bus stop for the West Hollywood CityLine Routes A and B are located at the bus stop in the southwest corner of the intersection. Commuter service provided by Antelope Valley Transit Line 786 also serves this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.15 Santa Monica/Fairfax Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.15.1 Pedestrian & Bicycle Interface

This station is under Santa Monica Boulevard and extends from just east of Fairfax Avenue on the west to just east of Ogden Drive on the east (see Figure 5-20). There are three potential station entrances: on the northeast and southeast corners of the intersection of Fairfax Avenue and Santa Monica Boulevard; and on the southeast corner of the intersection of Ogden Drive and Santa Monica Boulevard.

The intersection of Fairfax Avenue and Santa Monica Boulevard is signalized with protected left-turn phasing in all directions. Marked crosswalks are provided on all legs of the intersection. The intersection of Orange Grove Avenue and Santa Monica Boulevard is unsignalized with stop controls on the northbound and southbound approaches. Marked crosswalks are currently provided on the northern and western legs of the intersection. A raised median with mid-block pedestrian refuge is provided on Santa Monica Boulevard east of Orange Grove Avenue. The intersection of Ogden Drive and Santa Monica Boulevard is unsignalized with stop controls on the northbound and southbound approaches. Marked crosswalks are currently provided on the southern and eastern legs of the intersection.

A bicycle route is designated on Fountain Avenue east of Orange Grove Avenue, and Orange Grove Avenue north of Willoughby Avenue. Waring and Sweetzer Avenues are designated as bicycle friendly streets.
5.15.2 Bus Interface

Figure 5-20 also illustrates bus stop locations. Bus stops for Metro Rapid Line 704 and Metro Line 4 are on the north side of Santa Monica Boulevard, east of Fairfax Avenue (westbound buses) and on the south side of Santa Monica Boulevard west of Fairfax Avenue (eastbound buses). Bus stops for Metro Rapid Line 780 and Metro Line 217 are located on the east side of Fairfax Avenue north of Santa Monica Boulevard (northbound buses) and on the west side of Fairfax Avenue south of Santa Monica Boulevard (southbound buses). Bus stops for Metro Line 218 are on the north side of Santa Monica Boulevard west of Fairfax Avenue (northbound buses) and on the west side of Fairfax Avenue south of Santa Monica Boulevard (southbound buses). The Bus stop for the West Hollywood CityLine Route A is located at the bus stop on the northeast corner of the intersection. The bus stop for Route B is located at the northwest corner. Commuter service provided by Antelope Valley Transit Line 786 also serves this station area. Interface between the Westside Subway Extension and commuter transit services is expected to be minimal, because commuter services typically serve the end destination for riders.

5.16 Santa Monica/San Vicente Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.16.1 Pedestrian & Bicycle Interface

This station would be under Santa Monica Boulevard and extend from just west of Hancock Avenue on the west to just east of Westmount Drive on the east (see Figure 5-21). There are two potential station entrances: on the northeast corner of the intersection of Hancock Avenue and Santa Monica Boulevard, and on the south side of Santa Monica Boulevard, west of Huntley Drive on Metro property.

The intersection of Hancock Avenue and Santa Monica Boulevard is unsignalized with stop controls on the northbound Metro driveway and southbound Hancock Drive. Marked crosswalks are currently provided on the northern and eastern legs of the intersection. A raised median with mid-block pedestrian refuge is provided on Santa Monica Boulevard east of Hancock Avenue.

Bicycle lanes are provided on Santa Monica Boulevard. Melrose Avenue east of Santa Monica Boulevard and San Vicente Boulevard south of Sunset Boulevard are designated as bicycle routes.
Figure 5-21. Santa Monica/San Vicente Station
5.16.2 Bus Interface

Figure 5-21 also illustrates bus stop locations. Bus stops for Metro Line 4 are on the north side of Santa Monica Boulevard, west of Hancock Avenue (westbound buses) and on the south side of Santa Monica Boulevard just east of the Metro driveway. Metro Rapid Lines 704 and 705, and Metro Lines 10, 105, 305, and 550 stop at San Vicente Boulevard, three blocks to the west.

5.17 Beverly Center Area Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The pedestrian, bicycle, and bus transit interface discussion for this station detailed below is applicable to all of the above listed Build Alternatives.

5.17.1 Pedestrian & Bicycle Interface

This station is under San Vicente Boulevard, extending north of Gracie Allen Drive, south of Third Street (see Figure 5-22). There are three potential station entrances: on the south side of Third Street, mid-block between San Vicente and La Cienega Boulevards; on the northeast corner of the intersection of San Vicente Boulevard and Third Street, in the Beverly Center shopping center; and on the northwest corner of San Vicente Boulevard and Third Street.

The intersection of San Vicente Boulevard and Third Street is signalized with permissive left-turn phasing in all directions. Marked crosswalks are currently provided on all legs of the intersection. The intersection of Third Street and La Cienega Boulevards is signalized with protected left-turn phasing in northbound and southbound directions and signalized with protected/permissive left-turn phasing in eastbound and westbound directions. Marked crosswalks are provided on all legs of the intersection. The intersection of Third Street and Holt Avenue is unsignalized with a stop control on the northbound approach. There are no marked crosswalks in any direction at this intersection.

Beverly Boulevard west of San Vicente Boulevard and San Vicente Boulevard north of Beverly Boulevard are designated as bicycle routes. Rosewood Avenue and Sweetzer Avenue are designated as bicycle friendly streets. In the Draft Los Angeles Bicycle Plan Update, portions of Beverly Boulevard, 3rd Street, and San Vicente Boulevard are proposed to be designated as bicycle routes.
Figure 5-22. Beverly Center Area Station
5.17.2 Bus Interface

Figure 5-22 also illustrates bus stop locations. Bus stops for Metro Rapid Line 705 are on the east side of La Cienega Boulevard north of 3rd Street (northbound buses) and the west side south of 3rd Street (southbound buses). Bus stops for Metro Line 105 are on the west side of La Cienega Boulevard north of 3rd Street (northbound buses) and the east side south of 3rd Street (southbound buses). Bus stops for Metro Lines 305 and 550 are on the east side of San Vicente Boulevard north of 3rd Street (northbound buses) and on the west side of San Vicente Boulevard north of 3rd Street (southbound buses). The DASH West Hollywood and Fairfax lines stop at the northwest corner of La Cienega and 3rd Street.
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6.0 IMPACT ASSESSMENT

This section presents the evaluation of the potential impacts of the Westside Subway Extension Project Alternatives on the interfacing transit and non-motorized (pedestrian and bicycle) systems. The forecast mode-of-access data presented in Section 4, and the pedestrian/bicycle and transit station interface described in Section 5 is used for this evaluation.

6.1 Methodology

The implementation of the Build Alternatives would increase transit capacity, speed of travel, reliability, and travel time certainty in the study area. Overall, the project would have a beneficial impact on the regional transit network and for individuals making trips via transit in the Study Area. For the transit impact analysis, the evaluation of significance under the California Environmental Quality Act (CEQA) and the National Environmental Policy Act (NEPA) was conducted at the station-area level, where the potential for localized impacts could occur. Two criteria were developed and applied at the station-area level for determination of impacts for each of the Project Alternatives:

1. Would the location of project station entrances lead to excessive delays for riders transferring to interfacing bus transit lines? For the purposes of this analysis, excessive delay has been defined as the need to cross more than one roadway, or walk at least one full block to transfer between subway and bus.

2. Would the location of project station entrances have the potential to increase pedestrian/bicycle safety hazards? For the purposes of this analysis, safety hazards have been defined as the need for pedestrians and bicyclists to cross roadways of more than two lanes at unsignalized locations, or at locations where marked crosswalks are not installed.

6.2 No-Build Alternative Impact Determination

By definition, the No-Build Alternative would not result in adverse transit-related impacts.

6.3 TSM Alternative Impact Determination

6.3.1 Criteria 1 and 2

By definition the TSM Alternative would not result in Criteria 1 and 2 impacts because no project station entrances would be constructed.

6.4 Build Alternatives Impact Determination

6.4.1 Wilshire/Crenshaw Station

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOSs and Build Alternatives.

6.4.1.1 Impact Determination

Criterion 1
The proposed station entrance is on the southwest corner of the intersection of Crenshaw and Wilshire Boulevards. Project riders arriving on westbound Metro Rapid Line 720 or Metro Line 20, would need to cross both Wilshire and Crenshaw Boulevards to access the station entrance, and would experience excessive bus transfer delay. Therefore Criterion 1 would be met, and a significant and adverse project-related bus transfer delay impact is projected for this station.

Criterion 2
A crosswalk is not provided on the western leg of the intersection. Therefore, project riders would experience potential safety hazards attempting to cross Wilshire Boulevard west of Crenshaw Boulevard to travel northwest or to transfer to westbound Metro Rapid Line 720 or 20 buses. Therefore Criterion 2 would be met, and a significant and adverse project-related pedestrian safety impact is projected for this station.

6.4.2 Wilshire/La Brea Station

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOSs and Build Alternatives.
6.4.2.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northwest, southwest, and southeast corners of the intersection of Wilshire Boulevard and La Brea Avenue. Depending on which station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both Wilshire Boulevard and La Brea Avenue. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the southwest corner is constructed, riders would only need to cross either Wilshire Boulevard or La Brea Avenue, therefore a Criterion 1 impact would not be projected if this entrance is constructed.

Criterion 2
Because the intersection of La Brea Avenue and Wilshire Boulevard is signalized and crosswalks are provided on all legs of the intersection, Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.3 Wilshire/Fairfax

The following MOSs and Build Alternatives include this station:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOSs and Build Alternatives.

6.4.3.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northwest and northeast corners of the intersection of Wilshire Boulevard and Fairfax Avenue. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both Wilshire Boulevard and Fairfax Avenue. Therefore, Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The northeast entrance is preferred for minimizing bus transfer delay because it is in front of the existing westbound Metro Rapid bus stop, and riders transferring to the eastbound Metro Rapid bus stop would only need to cross Wilshire Boulevard.
Criterion 2
Because the intersection of Fairfax Avenue and Wilshire Boulevard is signalized and crosswalks are provided on all legs of the intersection, Criterion 2 would not be met, so no project-related pedestrian safety impact are projected for this station.

6.4.4 Wilshire/Fairfax (Optional Station)

6.4.4.1 Impact Determination
Criterion 1
The optional station location proposes the same entrances described above for the preferred station location, but adds a potential station entrance near the southeast corner of the intersection of Orange Grove Avenue and Wilshire Boulevard. As with the preferred station location, if only one of the potential station entrances is constructed, Criterion 1 project impacts could occur due to excessive bus transfer delay.

Criterion 2
The intersection of Orange Grove Avenue and Wilshire Boulevard is unsignalized and no crosswalks across Wilshire Boulevard are provided at this intersection. Because of the location of the station entrance and the lack of crosswalks across Wilshire Boulevard, project riders would experience potential safety hazards attempting to cross Wilshire Boulevard to travel northbound, or to transfer to westbound Metro Rapid Line 720. Therefore Criterion 2 would be met, and a significant and adverse project-related pedestrian safety is projected for this station. Criterion 2 impacts would not be projected if either entrance at Fairfax Avenue is ultimately constructed.

6.4.5 Wilshire/La Cienega Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOSs and Build Alternatives.
Impact Determination

Criterion 1
Potential station entrances are proposed on the northeast corner of the intersection of Wilshire and La Cienega Boulevards, and on the southwest corner of Wilshire Boulevard and Hamilton Drive. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both Wilshire Boulevard and La Cienega Avenue. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The northeast entrance is preferred for minimizing bus transfer delay because it is located closer to existing bus stops than the southern entrance.

Criterion 2
The intersection of Hamilton Drive and Wilshire Boulevard is unsignalized, and no crosswalks across Wilshire Boulevard are provided at this intersection. If the southern station entrance is ultimately constructed, project riders could experience potential safety hazards attempting to cross Wilshire Boulevard at this unsignalized location to travel northbound. Therefore Criterion 2 could be met, and a potential significant and adverse project-related pedestrian safety impact is projected for this station. Criterion 2 impacts would not be projected if the northern entrance is ultimately constructed.

6.4.6 Wilshire/La Cienega (Optional Station)

Impact Determination

Criterion 1
The optional station location proposes entrances at the northwest corner of the intersection of La Cienega and Wilshire Boulevards, and at the northwest corner of Le Doux Road and Wilshire Boulevard. Riders transferring to eastbound Metro Rapid Line 720 and Metro Line 20, and northbound Metro Line 105 would need to cross both Wilshire and La Cienega Boulevards to access the station entrance, and would experience excessive bus transfer delay. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The entrance at La Cienega and Wilshire Boulevards is preferred for minimizing bus transfer delay because it is located closer to existing bus stops than the entrance at Le Doux Road and Wilshire Boulevard.

Criterion 2
The intersections of Le Doux Road and Wilshire Boulevard and Stanley Drive and Wilshire Boulevard are unsignalized, and no crosswalks across Wilshire Boulevard are provided at either intersection. If the western station entrance is ultimately constructed, project riders could experience potential safety hazards attempting to cross Wilshire Boulevard at these unsignalized locations. Therefore Criterion 2 could be met, and a potential significant and adverse project-related pedestrian safety impact is projected for this station. Criterion 2 impacts would not be projected if the eastern entrance is ultimately constructed.
6.4.7 Wilshire/Rodeo Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOS and Build Alternatives.

6.4.7.1 Impact Determination

**Criterion 1**
Potential station entrances are proposed on the northwest corner of the intersection of Canon Drive and Wilshire Boulevard, the southwest corner of the intersection of Reeves Drive and Wilshire Boulevard, the northwest and northeast corners of the intersection of Beverly Drive and Wilshire Boulevard, and the southeast corner of El Camino Drive and Wilshire Boulevard. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both Wilshire Boulevard and one of the intersecting streets listed above. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The proposed entrance on the northwest corner of Wilshire Boulevard and Beverly Drive is preferred for minimizing bus transfer delay because most of the interfacing bus lines could be accessed without needing to cross more than one street.

**Criterion 2**
The intersection of El Camino Drive and Wilshire Boulevard is signalized with crosswalks across the western and southern legs of the intersection. There are no crosswalks on the eastern leg of the intersection of El Camino Drive and Wilshire Boulevard or on any leg of the intersection of Reeves Drive and Wilshire Boulevard (but are located to the east at Canon Drive). If either the entrance on the southeast corner of the intersection of or El Camino Drive and Wilshire Boulevard, or the southwest corner of Reeves Drive and Wilshire Boulevard is ultimately constructed project riders could experience potential safety hazards attempting to cross Wilshire Boulevard at locations without marked crosswalks. Therefore Criterion 2 could be met, and a potential significant and adverse project-related pedestrian safety impact is projected for this station. Criterion 2 impacts would not be projected if either of the two entrances, at Beverly Drive or Canon Drive, is ultimately constructed.
6.4.8 Century City Station

The following MOSs and Build Alternatives include this station:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed MOS and Build Alternatives.

6.4.8.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the southwest and southeast corners of the intersection of Avenue of the Stars and Santa Monica Boulevard, and in the Westfield Century City shopping center. Depending on which station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both Santa Monica Boulevard and Avenue of the Stars. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the southeast corner is constructed, riders would only need to cross either Santa Monica Boulevard or Avenue of the Stars, therefore a Criterion 1 impact would not be projected if this entrance is constructed.

Criterion 2
The intersection of Avenue of the Stars and Santa Monica Boulevard is signalized with crosswalks provided on the southern and eastern legs of the intersection. If either the entrance on the southwest corner of the intersection of Avenue of the Stars and Santa Monica Boulevard, or the entrance adjacent to the Westfield Century City shopping center is ultimately constructed, project riders could experience potential safety hazards attempting to cross Santa Monica Boulevard at locations without marked crosswalks. Therefore Criterion 2 could be met, and a potential significant and adverse project-related pedestrian safety impact is projected for this station. Criterion 2 impacts would not be projected if the entrance at the southeast corner of the intersection of Santa Monica Boulevard and Avenue of the Stars is ultimately constructed.
6.4.9 Century City (Optional Station)

6.4.9.1 Impact Determination

Criterion 1
Potential station entrances for the optional station are proposed on the northeast, southeast, and southwest corners of the intersection of Avenue of the Stars and Constellation Boulevard, and on the north side of Constellation Boulevard at MGM Drive (at the entrance to the Westfield shopping center). Depending on which station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both Avenue of the Stars and Constellation Boulevard. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance at MGM Drive is constructed, riders would only need to cross Constellation Boulevard. Therefore, a Criterion 1 impact would not be projected if this entrance is constructed.

Criterion 2
The intersection of Avenue of the Stars and Constellation Boulevard is signalized with crosswalks provided on all legs of the intersection. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.10 Westwood/UCLA Station

The following Build Alternatives include this station:

Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.10.1 Impact Determination

Criterion 1
The four potential station entrances are on the northwest corner of Wilshire Boulevard and Gayley Avenue, on the southeast corner of the Wilshire Boulevard and Veteran Avenue, on the north end of Lot 36 near Kinross Avenue, and on the eastern end of Lot 36 near Lindbrook Drive. Depending on which station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both Veteran Avenue and Wilshire Boulevard. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the southeast corner of the intersection of Veteran Avenue and Wilshire Boulevard is
constructed, riders transferring to the interfacing bus transit lines that serve this intersection would only need to cross one of the streets, thus minimizing bus transfer delay. However, most of the bus routes that serve the Westwood area, including all of the Metro Rapid Lines have bus stops located adjacent to the intersection of Wilshire and Westwood Boulevards. Therefore, riders would need to cross Gayley Avenue, and potentially Wilshire and/or Westwood Boulevard to access most interfacing bus transit. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station.

Criterion 2
The intersections of Veteran Avenue and Wilshire Boulevard and Gayley Avenue and Wilshire Boulevard are both signalized with crosswalks provided on all legs of both intersections. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.11 Westwood/UCLA (Optional Station)

6.4.11.1 Impact Determination
Criterion 1
Potential station entrances for the optional station location are proposed on the northwest corner of the intersection of Gayley Avenue and Wilshire Boulevard, the northwest, southwest and southeast corners of the intersection of Westwood and Wilshire Boulevards, and an entrance near the southeast corner of Midvale Avenue and Wilshire Boulevard. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross Wilshire Boulevard and Gayley Avenue and/or Westwood Boulevard. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The proposed entrance on the northwest corner of Westwood and Wilshire Boulevards is preferred for minimizing bus transfer delay because most of the interfacing bus lines could be accessed without needing to cross more than one street.

Criterion 2
The intersections of Gayley Avenue and Wilshire Boulevard, and Westwood and Wilshire Boulevards are both signalized with crosswalks provided on all legs of both intersections. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.12 Westwood/VA Hospital Station
The following Build Alternatives include this station:

Alternative 2
Alternative 3
Alternative 4
Alternative 5

WESTSIDE SUBWAY EXTENSION

August 2010
The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.12.1 Impact Determination

Criterion 1
A potential station entrance is proposed in an at-grade entrance plaza south of Wilshire Boulevard and east of Bonsall Avenue, with pedestrian walkway connections to the VA hospital building and Bonsall Avenue. With the location of the proposed entrance, riders transferring to eastbound Big Blue Bus Line 2 would need to cross Bonsall Avenue to access the bus stop. Riders transferring to eastbound Metro Rapid Line 720 and Metro Line 20 would need to cross Bonsall Avenue and the Wilshire Boulevard access ramp and travel up the stairs to Wilshire Boulevard. Riders transferring to westbound buses would need to cross under Wilshire Boulevard on the Bonsall Avenue underpass, as well as cross the westbound Wilshire Boulevard access ramps. As a result, Criterion 1 would be met.

Criterion 2
The intersection of the eastbound Wilshire Boulevard access ramp and Bonsall Avenue is unsignalized with crosswalks provided on the western and southern legs of the intersection. The intersections of Wilshire Boulevard access ramps and Bonsall Avenue have stop signs. Because the roadways are unsignalized and experience low traffic volumes, the station location would not generate pedestrian/bicycle safety hazards and Criterion 2 would not be met. Therefore no significant or adverse project-related pedestrian safety impacts are projected for this station.

6.4.13 Westwood/VA Hospital (Optional Station)

6.4.13.1 Impact Determination

Criterion 1
The station entrance proposed for the optional station is in an at-grade entrance plaza north of Wilshire Boulevard and west of Bonsall Avenue, with pedestrian walkway connections to the VA hospital building and Bonsall Avenue. With the location of the proposed entrance, riders transferring to westbound Big Blue Bus Line 2 would need to cross Bonsall Avenue to access the bus stop. Riders transferring to westbound Metro Rapid Line 720 and Metro Line 20 would need to travel down the stairs from Wilshire Boulevard, cross both the westbound Wilshire Boulevard access ramp and Bonsall Avenue to access the bus stop. Riders transferring to eastbound buses would need to cross under Wilshire Boulevard on the Bonsall Avenue underpass, as well as cross the eastbound Wilshire Boulevard access ramps. As a result, Criterion 1 would be met.

Criterion 2
The intersection of the westbound Wilshire Boulevard access ramp and Bonsall Avenue is unsignalized with crosswalks provided on the western and southern legs of the intersection. The intersections of Wilshire Boulevard access ramps
and Bonsall Avenue have stop signs. Because the roadways are unsignalized and experience low traffic volumes, the station location would not generate pedestrian/bicycle safety hazards and Criterion 2 would not be met. Therefore no significant or adverse project-related pedestrian safety impacts are projected for this station.

6.4.14 Wilshire/Bundy Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.14.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northeast and southeast corners of the intersection of Bundy Drive and Wilshire Boulevard. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both Bundy Drive and Wilshire Boulevard. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The proposed northeast entrance is preferred for minimizing bus transfer delay because most of the interfacing bus lines could be accessed without needing to cross more than one street.

Criterion 2
The intersection of Bundy Drive and Wilshire Boulevard is signalized with crosswalks provided on all legs of the intersection. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.15 Wilshire/26th Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.15.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northwest and northeast corners of the intersection of 26th Street and Wilshire Boulevard. Depending on which
station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both 26\textsuperscript{th} Street and Wilshire Boulevard. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the northeast corner is constructed, riders would only need to cross Wilshire Boulevard. Therefore a Criterion 1 impact would not be projected if this entrance is constructed.

**Criterion 2**
The intersection of 26\textsuperscript{th} Street and Wilshire Boulevard is signalized with crosswalks provided on all legs. Therefore Criterion 2 would not be met, and no project-related pedestrian safety impacts are projected for this station.

### 6.4.16 Wilshire/16th Station
The following Build Alternatives include this station:

- Alternative 3
- Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

#### 6.4.16.1 Impact Determination

**Criterion 1**
Potential station entrances are proposed on the northwest and northeast corners of the intersection of 15\textsuperscript{th} Street and Wilshire Boulevard, as well as an entrance in front of the Santa Monica/UCLA Medical Center on the south side of Wilshire Boulevard east of 15\textsuperscript{th} Street. Bus stops for Metro Rapid Line 720, Metro Line 20, and Big Blue Bus Line 2 are on 14\textsuperscript{th} Street. Riders transferring to westbound interfacing bus transit lines would not need to cross any streets assuming the northwest entrance was constructed, but would need to walk an entire block to access buses. Riders transferring to eastbound buses would need to cross 14th Street and Wilshire Boulevard as well as walk an entire block to access buses. If other entrances were ultimately built, transferring riders would need to walk further. Therefore Criterion 1 would be met, and significant and adverse project-related bus transfer delay impacts are projected for this station. The proposed entrance on the northwest corner of the intersection of 15\textsuperscript{th} Street and Wilshire Boulevard is preferred for minimizing bus transfer delay because most of the interfacing bus lines could be accessed without needing to cross more than one street.

**Criterion 2**
The intersections of 14\textsuperscript{th} and 15\textsuperscript{th} Streets with Wilshire Boulevard are all signalized with crosswalks provided on all legs of both intersections. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.
6.4.17 Wilshire/4th Station

The following Build Alternatives include this station:

Alternative 3
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.17.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northeast and southeast corners of the intersection of 4th Street and Wilshire Boulevard. Depending on which station entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both 4th Street and Wilshire Boulevard. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the southeast corner is constructed, riders would only need to cross Wilshire Boulevard, or 4th Street. Therefore a Criterion 1 impact would not be projected if this entrance is constructed.

Criterion 2
The intersection of 4th Street and Wilshire Boulevard is signalized with crosswalks provided on all legs of the intersection. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

6.4.18 Hollywood/Highland Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.18.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the south side of Hollywood Boulevard east of Highland Avenue, the northwest corner of the intersection of Highland and Hawthorne Avenues, and the northeast corner of Highland Avenue and Selma Place. The station could also be accessed via the existing Metro Red Line Station entrance just west of the northwest corner of the intersection of Highland Avenue and Hollywood Boulevard. Bus stops for the numerous lines that serve the station area are located on or near the northwest, northeast and southeast corners of the intersection of Highland Avenue and Hollywood Boulevard. If the potential entrance on the south side of Hollywood
Boulevard east of Highland Avenue is constructed, (in addition to the existing Metro Red Line entrance), riders transferring to the interfacing bus transit lines would need to cross either Highland Avenue or Hollywood Boulevard, and Criterion 1 would not be met. If the entrance at the northwest corner of the intersection of Highland and Hawthorne Avenues is constructed (in addition to the existing Metro Red Line entrance), riders transferring to the interfacing bus transit lines would need to cross either Highland Avenue or Hollywood Boulevard. However, because the Highland/Hawthorne entrance would be up to a block south of Hollywood Boulevard, Criterion 1 would be met, and significant and adverse project-related bus transfer delay impacts are projected for this station. Criterion 1 would also be met for the entrance on the northeast corner of Highland and Selma, because it would require crossing several streets to transfer to connecting bus service, and it is a full block south of Hollywood Boulevard.

**Criterion 2**

The intersection of Highland Avenue and Hollywood Boulevard is signalized with crosswalks provided on all legs of both intersections. The intersection of Highland and Hawthorne Avenues is unsignalized, with stop controls on eastbound and westbound Hawthorne Avenue. No marked crosswalks are provided at this intersection. The intersection of Highland Avenue and Selma Place is signalized with crosswalks provided on the southern and eastern legs of the intersection. Because the intersection of Highland and Hawthorne Avenues is unsignalized and without crosswalks, and because the northern leg of the intersection of Highland Avenue and Selma Place (where the potential station entrances would be located) does not have a marked crosswalk, project riders could experience potential safety hazards attempting to cross Highland Avenue at these locations. Therefore Criterion 2 would be met for these entrances, and a significant and adverse project-related pedestrian safety impact could occur if these station entrances are constructed. Criterion 2 impacts would not be projected for the existing Red Line station entrance, nor are they projected for the potential entrance on the south side of Hollywood Boulevard east of Highland Avenue—therefore, it is the recommended station entrance.

### 6.4.19 Santa Monica/La Brea Station

The following Build Alternatives include this station:

Alternative 4

Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

#### 6.4.19.1 Impact Determination

**Criterion 1**

Potential station entrances are proposed on all four corners of the intersection of La Brea Avenue and Santa Monica Boulevard. Depending on which station
entrance is ultimately constructed, some riders transferring to interfacing bus transit lines would need to cross both La Brea Avenue and Santa Monica Boulevard. Therefore Criterion 1 could be met, and a potential significant and adverse bus transfer delay impact is projected for this station. If the station entrance on the southwest corner is constructed, riders would only need to cross La Brea Avenue or Santa Monica Boulevard. Therefore a Criterion 1 impact would not be projected if this entrance is constructed.

**Criterion 2**
The intersection of La Brea Avenue and Santa Monica Boulevard is signalized with crosswalks provided on all legs of both intersections. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

### 6.4.20 Santa Monica/Fairfax Station

The following Build Alternatives include this station:

- Alternative 4
- Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

#### 6.4.20.1 Impact Determination

**Criterion 1**
Potential station entrances are proposed on the northeast and southeast corners of the intersection of Fairfax Avenue and Santa Monica Boulevard. If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both Fairfax Avenue and Santa Monica Boulevard. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The proposed southeast entrance is preferred for minimizing bus transfer delay because most of the interfacing bus lines (including all Metro Rapid stops) could be accessed without needing to cross more than one street.

**Criterion 2**
The intersection of Fairfax Avenue and Santa Monica Boulevard is signalized with crosswalks provided on all legs of the intersection. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.

### 6.4.21 Santa Monica/San Vicente Station

The following Build Alternatives include this station:

- Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.21.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northeast corner of the intersection of Hancock Avenue and Santa Monica Boulevard, and on the south side of Santa Monica Boulevard, west of Huntley Drive on Metro property. If either potential entrance is constructed, riders transferring to both eastbound and westbound Metro Line 4 would only need to cross Santa Monica Boulevard, thus minimizing bus transfer delay. However, most of the bus routes that serve the proposed station area, including all of the Metro Rapid Lines have bus stops located at San Vicente Boulevard, three blocks to the west. Therefore Criterion 1 would be met, and significant and adverse project-related bus transfer delay impacts are projected for this station.

Criterion 2
The intersection of Hancock Avenue/Metro Driveway and Santa Monica Boulevard is unsignalized with stop controls on the northbound and southbound approaches. Marked crosswalks are installed on the northern and the eastern legs of the intersection. Therefore Criterion 2 would be met, and significant and adverse project-related pedestrian safety impacts are projected for this station.

6.4.22 Beverly Center Area Station

The following Build Alternatives include this station:

Alternative 4
Alternative 5

The impact determination detailed below for this station is applicable to all of the above listed Build Alternatives.

6.4.22.1 Impact Determination

Criterion 1
Potential station entrances are proposed on the northwest, northeast and southeast corners of the intersection of San Vicente Boulevard and 3rd Street.

If only one of the potential station entrances is constructed, some riders transferring to interfacing bus transit lines would need to cross both La Cienega Boulevard and 3rd Street. Therefore Criterion 1 would be met, and a significant and adverse bus transfer delay impact is projected for this station. The proposed southeast entrance is preferred for minimizing bus transfer delay because more interfacing bus lines operating on La Cienega Boulevard could be accessed without needing to cross more than one street.
Criterion 2
The intersections of San Vicente Boulevard and 3rd Street and La Cienega Boulevard and 3rd Street are both signalized with crosswalks provided on all legs of each intersection. Therefore Criterion 2 would not be met, so no project-related pedestrian safety impacts are projected for this station.
6.5 Impact Summary

Table 6-1 summarizes the impact determination for each Build Alternative. Because it has the most stations of any alternative, Alternative 5 is projected to have the most impacted station areas, with a total of 11 impacted stations. At some locations, alternatives to added or relocated entrances could be considered. Further information is provided in Section 7 – Mitigation Measures.

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<thead>
<tr>
<th>Station</th>
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Source: Fehr & Peers, April 2010

Note: * Station area would not be impacted if recommended entrance is constructed. Otherwise station area would be impacted. ** Impact totals reflect the fact that either the preferred station or the optional station will be built at station areas, not both.
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7.0 MITIGATION MEASURES

This section details the measures proposed to mitigate the significant and adverse project-related impacts detailed in Section 6 to less than significant levels.

7.1 Wilshire/Crenshaw Station

This station area is expected to be impacted under the following MOSs and Build Alternatives:

- MOS 1
- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

To mitigate impacts under these MOSs and Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

- To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway

To mitigate impacts under these MOSs and Build Alternatives due to pedestrian safety hazards, the following mitigation measure should be implemented:

- Install a marked crosswalk on the western leg of the intersection

7.2 Wilshire/La Brea Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under the following MOSs and Build Alternatives:

- MOS 1
- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5
If the southwest entrance is not constructed, to mitigate impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

7.3 Wilshire/Fairfax Station

This station area is expected to be impacted under the following MOSs and Build Alternatives:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

To mitigate impacts under these MOSs and Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway

7.4 Wilshire/Fairfax Optional Station

This station area is expected to be impacted under the following MOSs and Build Alternatives:

MOS 1
MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

To mitigate impacts under these MOSs and Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:
To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

To mitigate impacts under these MOSs and Build Alternatives due to pedestrian safety hazards, the following mitigation measure should be implemented:

Relocate the potential station entrance near the southeast corner of Orange Grove Avenue and Wilshire Boulevard to the southeast corner of Fairfax Avenue. If this mitigation measure is determined to be infeasible, an alternative mitigation measure would be to not construct this potential station entrance.

### 7.5 Wilshire/La Cienega Station

This station area is expected to be impacted under the following MOS and Build Alternatives:

- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

To mitigate impacts under MOS 2 and the Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

To mitigate potential impacts under the MOS 2 and the Build Alternatives due to pedestrian safety hazards, the following mitigation measure should be implemented:

Construct the entrance on the northeast corner of the intersection of La Cienega and Wilshire Boulevards in lieu of the potential entrance proposed at the southwest corner of the intersection of Hamilton Drive and Wilshire Boulevard.

Alternatively, relocate the entrance at Hamilton Drive and Wilshire Boulevard to the southeast corner of La Cienega and Wilshire Boulevards. If this mitigation measure is determined to be infeasible, signalize the intersection...
of Hamilton Drive and Wilshire Boulevard and install marked crosswalks on all four legs of the intersection.

7.6 Wilshire/La Cienega Optional Station

This station area is expected to be impacted under the following MOS and Build Alternatives:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

To mitigate impacts under MOS 2 and the Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

To mitigate potential impacts under MOS 2 and the Build Alternatives due to pedestrian safety hazards, the following mitigation measures should be implemented:

Construct the entrance on the northwest corner of the intersection of La Cienega and Wilshire Boulevards in lieu of the potential entrance proposed at the northwest corner of the intersection of Le Doux Road and Wilshire Boulevard.

Alternatively, signalize the intersection of Le Doux Road and Wilshire Boulevard and install marked crosswalks on all four legs of the intersection.

7.7 Wilshire/Rodeo Station

This station area is expected to be impacted under the following MOS and Build Alternatives:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5
To mitigate impacts under MOS 2 and the Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

To mitigate potential impacts under MOS 2 and the Build Alternatives due to pedestrian safety hazards, the following mitigation measures should be implemented:

Construct one or more of the potential entrances at Beverly and Canon Drives in lieu of the potential entrances proposed at the southeast corner of El Camino Drive and Wilshire Boulevard, and the southwest corner of Reeves Drive and Wilshire Boulevard.

7.8 Century City Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under MOS 2 and the Build Alternatives:

MOS 2
Alternative 1
Alternative 2
Alternative 3
Alternative 4
Alternative 5

If the entrance at the southeast corner of the intersection of Avenue of the Stars and Santa Monica Boulevard is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

To mitigate potential impacts due to pedestrian safety hazards, the following mitigation measures should be implemented:

Construct the entrance at the southeast corner of the intersection of Avenue of the Stars and Santa Monica Boulevard in lieu of the other potential entrances.
If the above mitigation measure is determined to be unfeasible, stripe a crosswalk on the western leg of the intersection of Avenue of the Stars and Santa Monica Boulevard.

If striping a crosswalk is determined to be unfeasible due the roadway geometry of Santa Monica Boulevard, construct a pedestrian underpass across Santa Monica Boulevard.

### 7.9 Century City Optional Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under MOS 2 and the Build Alternatives:

- MOS 2
- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

If the entrance MGM Drive and Constellation Boulevard is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.10 Westwood/UCLA Station

This station area is expected to be impacted under the following Build Alternatives:

- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.
Alternatively, construct station entrance(s) at the intersection of Westwood and Wilshire Boulevards in lieu of station entrances at Gayley or Veteran Avenues.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.11 Westwood/UCLA Optional Station

This station area is expected to be impacted under the following Build Alternatives:

- Alternative 1
- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.12 Westwood/VA Hospital Station

This station area is expected to be impacted under the following Build Alternatives:

- Alternative 2
- Alternative 3
- Alternative 4
- Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

- Relocate bus stops currently located in bus turn-outs on Wilshire Boulevard to the Wilshire Boulevard access ramps in front of the station entrance.
- Construct a bus turnaround in front of the station to enable westbound buses to stop in front of the station entrance, before circling around, traveling north on Bonsall Avenue, and turning left on the access ramps to continue traveling west on Wilshire Boulevard.
7.13 **Westwood/VA Hospital Optional Station**

This station area is expected to be impacted under the following Build Alternatives:

Alternative 2
Alternative 3
Alternative 4
Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

Relocate bus stops currently located in bus turn-outs on Wilshire Boulevard to the Wilshire Boulevard access ramps in front of the station entrance

Construct a bus turnaround in front of the station to enable eastbound buses to stop in front of the station entrance, before circling around, traveling south on Bonsall Avenue, and turning right on the access ramps to continue traveling east on Wilshire Boulevard

7.14 **Wilshire/Bundy Station**

This station area is expected to be impacted under the following Build Alternatives:

Alternative 3
Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

7.15 **Wilshire/26th Station**

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under the following Build Alternatives:

Alternative 3
Alternative 5

If the entrance at the northeast corner of the intersection of 26th Street and Wilshire Boulevard is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:
To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.16 Wilshire/16th Station

This station area is expected to be impacted under the following Build Alternatives:

Alternative 3
Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate bus stops at 14\textsuperscript{th} Street and Wilshire Boulevard to 15\textsuperscript{th} Street and Wilshire Boulevard in front of potential station entrances.

### 7.17 Wilshire/4th Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under the following Build Alternatives:

Alternative 3
Alternative 5

If the entrance at the southeast corner of the intersection of 4\textsuperscript{th} Street and Wilshire Boulevard is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.18 Hollywood/Highland Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under the following Build Alternatives:

Alternative 4
Alternative 5

If the entrance on the south side of Hollywood Boulevard east of Highland Avenue is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:
To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

If the entrance on the south side of Hollywood Boulevard east of Highland Avenue is not constructed, to mitigate potential impacts due to pedestrian safety hazards, the following mitigation measures should be implemented:

Shift the potential Highland Avenue entrance near Hawthorne Avenue to the southwest corner of the intersection of Highland Avenue and Hollywood Boulevard to the extent feasible. If entrances near the corners of the intersection are not feasible, shift the potential entrance as far to the north as possible.

If the potential entrance near Selma Place is constructed, install a marked crosswalk on the northern leg of the intersection of Highland Avenue and Selma Place.

### 7.19 Santa Monica/La Brea Station

Depending on which station entrance is ultimately constructed, this station area has the potential to be impacted under the following Build Alternatives:

Alternative 4
Alternative 5

If the entrance at the southwest corner of the intersection of La Brea Avenue and Santa Monica Boulevard is not constructed, to mitigate potential impacts due to excessive bus transfer delay, the following mitigation measure should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.20 Santa Monica/Fairfax Station

This station area is expected to be impacted under the following Build Alternatives:

Alternative 4
Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:
To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.

At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.

### 7.21 Santa Monica/San Vicente Station

This station area is expected to be impacted under the following Build Alternatives:

- Alternative 4
- Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

- Shift potential entrance(s) to the northeast and/or southeast corners of the intersection of San Vicente and Santa Monica Boulevards to the extent feasible
- If relocating potential entrances to San Vicente is not feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway

To mitigate impacts under these Build Alternatives due to pedestrian safety hazards, the following mitigation measures should be implemented:

- Shift potential entrances to the northeast and southeast corners of the intersection of San Vicente and Santa Monica Boulevards to the extent feasible
- If relocating potential entrances to San Vicente is not feasible, signalize the intersection of Hancock Avenue and Santa Monica Boulevard

### 7.22 Beverly Center Area Station

This station area is expected to be impacted under the following Build Alternatives:

- Alternative 4
- Alternative 5

To mitigate impacts under these Build Alternatives due to excessive bus transfer delay, the following mitigation measures should be implemented:

To the extent it is feasible, relocate or consolidate bus stops to ensure that transfers between bus transit and the subway do not require crossing more than one roadway.
At this time it is not known which entrances will be constructed, so this potential mitigation measure does not reference specific station entrances.
8.0 IMPACTS REMAINING AFTER MITIGATION

After implementation of the mitigation measures detailed above for each station location, project-related impacts to the interfacing transit and non-motorized facilities and services would be mitigated to less-than significant levels for all Project Alternatives.
## 9.0 REFERENCES

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