

FTIP ID# 18790

TCWG Consideration Date May 27, 2014

PROJECT DESCRIPTION

The California Department of Transportation (Caltrans), in cooperation with the Los Angeles County Metropolitan Transportation Authority (Metro) proposes transportation improvements to improve mobility and relieve congestion in the area between State Route 2 (SR 2) and Interstates 5, 10, 210 and 605 (I-5, I-10, I-210, and I-605, respectively) in east/northeast Los Angeles and the western San Gabriel Valley. The study area for the State Route 710 (SR 710) North Study is approximately 100 square miles and generally bounded by I-210 on the north, I-605 on the east, I-10 on the south, and I-5 and SR 2 on the west. Caltrans is the Lead Agency under the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA).

The proposed alternatives for the project include the No Build Alternative, the Transportation System Management/Transportation Demand Management (TSM/TDM) Alternative, the Bus Rapid Transit (BRT) Alternative, the Light Rail Transit (LRT) Alternative, and the Freeway Tunnel Alternative. Components of the TSM/TDM Alternative will also be included with the BRT, LRT and Freeway Tunnel Alternatives.

The No Build Alternative includes projects/planned improvements through 2035 that are contained in the Federal Transportation Improvement Program (FTIP), as listed in the Southern California Association of Governments (SCAG) 2012 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) Measure R and the funded portion of Metro’s 2009 Long Range Transportation Plan (LRTP). The No Build Alternative does not include any planned improvements to the SR 710 Corridor.

The TSM/TDM Alternative consists of strategies and improvements to increase efficiency and capacity for all modes in the transportation system with lower capital cost investments and/or lower potential impacts. The TSM/TDM Alternative is designed to maximize the efficiency of the existing transportation system by improving capacity and reducing the effects of bottlenecks and chokepoints. TSM strategies include Intelligent Transportation Systems (ITS), local street and intersection improvements, and Active Traffic Management (ATM). The TDM strategies include expanded bus service, bus service improvements, and bicycle improvements.

The BRT Alternative would provide high-speed, high-frequency bus service through a combination of new, dedicated, and existing bus lanes, and mixed-flow traffic lanes to key destinations between East Los Angeles and Pasadena.

The LRT Alternative would include passenger rail operated along a dedicated guideway, similar to other Metro light rail lines. The LRT Alternative would begin on Mednik Avenue adjacent to the existing East Los Angeles Civic Center Station on the Metro Gold Line and end at Raymond Avenue adjacent to the existing Fillmore Station on the Metro Gold Line.

The Freeway Tunnel Alternative would start at the existing southern stub of SR 710 in Alhambra, just north of I-10, and connect to the existing northern stub of SR 710, south of the I-210/State Route 134 (SR 134) interchange in Pasadena. The Freeway Tunnel Alternative has two design variations: a dual-bore tunnel and a single-bore tunnel.

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Operational variations for the Freeway Tunnel Alternative include:					
<ul style="list-style-type: none"> • Freeway Tunnel Alternative without tolls; • Freeway Tunnel Alternative with trucks excluded; • Freeway Tunnel Alternative with tolls; • Freeway Tunnel Alternative with tolls and trucks excluded; and • Freeway Tunnel Alternative with toll and express bus. 					
Type of Project					
TSM/TDM Alternative: Change to existing regionally significant street					
BRT Alternative: Change to existing regionally significant street					
LRT Alternative: Bus, rail, or inter-modal facility/terminal/transfer point					
Freeway Tunnel Alternatives: New state highway					
County Los Angeles	Narrative Location/Route & Postmiles: 07-LA-710 Caltrans Projects – EA# 187900				
Lead Agency: Caltrans District 7					
Contact Person Andrew Yoon	Phone# 213.897.6117	Fax# 213.897.1634	Email andrew_yoon@dot.ca.gov		
Hot Spot Pollutant of Concern (<i>check one or both</i>) PM2.5 x PM10 x					
Federal Action for which Project-Level PM Conformity is Needed (<i>check appropriate box</i>)					
Categorical Exclusion (NEPA)	x	EA or Draft EIS	FONSI or Final EIS	PS&E or Construction	Other
Scheduled Date of Federal Action: 2016					
NEPA Assignment – Project Type (<i>check appropriate box</i>)					
Exempt		Section 326 –Categorical Exemption		x	Section 327 – Non- Categorical Exemption
Current Programming Dates (<i>as appropriate</i>)					
	PE/Environmental	ENG	ROW	CON	
Start	2011	2016	2018	2018	
End	2016	2018	2018	2025	

Project Purpose and Need (Summary): *(attach additional sheets as necessary)*

Purpose of the Project

Due to the lack of continuous north-south transportation facilities in the study area, there is congestion on freeways, cut-through traffic that affects local streets, and low-frequency transit operations in the study area. Therefore, the following project purpose has been established.

The purpose of the proposed action is to effectively and efficiently accommodate regional and local north-south travel demands in the study area of the western San Gabriel Valley and east/northeast Los Angeles, including the following considerations:

- Improve efficiency of the existing regional freeway and transit networks.
- Reduce congestion on local arterials adversely affected due to accommodating regional traffic volumes.
- Minimize environmental impacts related to mobile sources.

Need for the Project

The study area is centrally located within the extended urbanized area of Southern California. With few exceptions, the area from Santa Clarita in the north to San Clemente in the south (a distance of approximately 90 miles [mi]) is continuously urbanized. Physical features such as the San Gabriel Mountains and Angeles National Forest on the north, and the Puente Hills and Cleveland National Forest on the south, have concentrated urban activity between the Pacific Ocean and these physical constraints. This urbanized area functions as a single social and economic region that is identified by the Census Bureau as the Los Angeles-Long Beach-Santa Ana Metropolitan Statistical Area (MSA).

There are seven major east-west freeway routes:

- State Route 118 (SR 118)
- United States Route 101 (US-101)/State Route 134 (SR 134)/I-210
- I-10
- State Route 60 (SR 60)
- Interstate 105 (I-105)
- State Route 91 (SR 91)
- State Route 22 (SR 22)

There are seven major north-south freeway routes:

- Interstate 405 (I 405)
- US-101/State Route 170 (SR 170)
- I-5
- Interstate 110 (I-110)/State Route 110 (SR 110)
- Interstate 710 (I-710)
- I-605
- State Route 57 (SR 57)

All of these major routes are located in the central portion of the Los Angeles-Long Beach-Santa Ana MSA. Of the seven north-south routes, four are located partially within the study area (I-5, I 110/SR 110, I-710, and I-605), two of which (I-110/SR 110 and I-710) terminate within the study area without connecting to another freeway. As a result, a substantial amount of north-south regional travel demand is concentrated on a few freeways, or diverted to local streets within the study area. This effect is exacerbated by the overall southwest-to-northeast orientation of I-605, which makes it an unappealing route for traffic between the southern part of the region and the urbanized areas to the northwest in the San Fernando Valley, the Santa Clarita Valley, and the Arroyo-Verdugo region.

<p>The lack of continuous north-south transportation facilities in the study area has the following consequences, which have been identified as the elements of need for the project:</p> <ul style="list-style-type: none"> • Degradation of the overall efficiency of the larger regional transportation system • Congestion on freeways in the study area • Congestion on the local streets in the study area • Poor transit operations within the study area
<p>Surrounding Land Use/Traffic Generators <i>(especially effect on diesel traffic)</i> Land uses within the project area include commercial, residential, and industrial developments. The majority of the sensitive receptors within or adjacent to the project area are residential, park, and school uses.</p>
<p>Opening Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility See attached analysis</p>
<p>RTP Horizon Year / Design Year: Build and No Build LOS, AADT, % and # trucks, truck AADT of proposed facility See attached analysis</p>
<p>Opening Year: If facility is an interchange(s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT See attached analysis</p> <p>RTP Horizon Year / Design Year: If facility is an interchange (s) or intersection(s), Build and No Build cross-street AADT, % and # trucks, truck AADT See attached analysis</p>
<p>Describe potential traffic redistribution effects of congestion relief <i>(impact on other facilities)</i> See attached analysis</p>
<p>Comments/Explanation/Details <i>(attach additional sheets as necessary)</i> See attached analysis</p>

PM_{2.5}/PM₁₀ Hot-Spot Analysis

The proposed project is located within a nonattainment area for federal PM_{2.5} standards and within an attainment/maintenance area for the federal PM₁₀ standards. Therefore, per 40 CFR Part 93 hot-spot analyses are required for conformity purposes. However, the EPA does not require hot-spot analyses, qualitative or quantitative, for projects that are not listed in section 93.123(b)(1) as an air quality concern.

According to 40 CFR Part 93.123(b)(1), the following are Projects of Air Quality Concern (POAQC) :

- i. New highway projects have a significant number of diesel vehicles, and expanded highway projects that have a significant increase in the number of diesel vehicles;
- ii. Projects affecting intersections that are at a Level of Service D, E, or F with a significant number of diesel vehicles, or those that will change to Level of Service D, E, or F because of increased traffic volumes from a significant number of diesel vehicles related to the project;
- iii. New bus and rail terminals and transfer points that have a significant number of diesel vehicles congregating at a single location;
- iv. Expanded bus and rail terminals and transfer points that significantly increase the number of diesel vehicles congregating at a single location; and
- v. Projects in or affecting locations, areas or categories of sites which are identified in the PM_{2.5} and PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Not all of the project alternatives qualify as a POAQC because of the following reasons:

- i. In addition to the No Build Alternative, the proposed project includes the following build alternatives and their design and operational variations: TSM/TDM, BRT, LRT, Dual Bore No Toll, Dual Bore No Trucks, Dual Bore with Tolls, Single Bore with Tolls, Single Bore with Tolls and No Trucks, and Single Bore with Tolls and Express Buses. Tables 2 through 6 list the opening year average daily traffic (ADT) and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. Tables 7 through 11 list the horizon year ADT and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that also meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. These tables also compare the ADT and Truck ADT volumes associated with the Build Alternatives to the No Build conditions. Tables 12 through 19 list the opening and horizon year ADT and truck ADT volumes along the highways within the project area for each of the proposed build alternatives that do not meet the Clean Air Act requirements or 40 CFR 93.116 and may need an explicit hot-spot analysis. The March 2006 conformity rule indicates that a new transportation facility with 8 percent or more diesel truck traffic, or more than 10,000 average daily truck trips, would warrant a PM_{2.5} hot-spot analysis. As shown in Tables 2 through 11, for the TSM/TDM, BRT, LRT, Dual Bore Tunnel with No Trucks, and Single Bore Tunnel with Tolls and No Trucks alternatives, although some of the truck percentages would exceed 8 percent, the project related increase in truck ADT would not exceed the 10,000 truck trip criterion for a POAQC at any of the highway links within the project area. However, as shown in Tables 12

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through 19, the dual bore and single bore tunnel design variations that include truck traffic would result in project related increases in truck ADT that would exceed the 10,000 truck trip criterion for a POAQC.

- ii. The Traffic Technical Report (CH2MHill, April 2014) evaluated the impact of the proposed project alternatives on 156 intersections within the project area. All of the Build Alternatives would result in the level of service (LOS) of at least one intersection degrading to F within the project area. However, based on the traffic data listed in Tables 2 through 11, the TSM/TDM, BRT, LRT, Dual Bore Tunnel with No Trucks, and Single Bore Tunnel with Tolls and No Trucks alternatives would not affect intersections that are at LOS D, E, or F with a significant number of diesel vehicles.
- iii. The proposed project does not include the construction of a new bus or rail terminal that would have a significant number of diesel vehicles congregating at a single location.
- iv. The proposed project does not expand an existing bus or rail terminal that would significantly increase the number of diesel vehicles congregating at a single location.
- v. The proposed project is not in or affecting locations, areas, or categories of sites that are identified in the PM_{2.5} and PM₁₀ applicable implementation plan or implementation plan submission, as appropriate, as sites of violation or possible violation.

Therefore, as shown in Table 1, the TSM/TDM, BRT, LRT, and the No Truck operational variations of the Freeway Tunnel Alternative (both dual and single bore design variations) meet the Clean Air Act requirements and 40 CFR 93.116 without any explicit hot-spot analysis. If and when any of the three operational variations of the Freeway Tunnel Alternatives (both dual and single bore design variations) that include truck traffic is selected as the preferred alternative a revised form will be submitted for review and concurrence by the TCWG. A detailed hot-spot analysis may be required in this case. These operational variations include the following:

- Freeway Tunnel Alternative without tolls;
- Freeway Tunnel Alternative with tolls; and
- Freeway Tunnel Alternative with toll and express bus,

Table 1: Traffic Volume Summary and Analysis Need

Build Alternatives that Meet the Clean Air Act Requirements and 40 CFR 93.116 Without Any Explicit Hot-Spot Analysis
Opening Year (2020 or 2025)
TSM/TDM
BRT
LRT
Dual Bore No Toll and without Trucks
Single Bore with Tolls and without Trucks
Future Year (2035)
TSM/TDM
BRT
LRT
Dual Bore No Toll and without Trucks
Single Bore with Tolls and without Trucks
Build Alternatives that Do Not Meet the Clean Air Act Requirements or 40 CFR 93.116 Explicit Hot-Spot Analysis May be Required
Opening Year (2020 or 2025)
Dual Bore No Toll
Dual Bore with Tolls
Single Bore with Tolls
Single Bore with Tolls and Express Bus
Future Year (2035)
Dual Bore No Toll
Dual Bore with Tolls
Single Bore with Tolls
Single Bore with Tolls and Express Bus

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 2: 2020 TSM/TDM Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	255,473	31,034	255,006	31,078	12.2	-467	44
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	286,650	36,815	285,398	36,813	12.9	-1,251	-2
I-210	Rosemead Boulevard	San Gabriel Boulevard	326,076	37,706	325,117	37,711	11.6	-960	5
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	352,422	38,237	351,828	38,264	10.9	-594	27
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	255,077	22,685	254,625	22,730	8.9	-452	44
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	49,798	1,131	52,166	1,336	2.6	2,368	204
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	165,631	18,734	168,087	18,929	11.3	2,456	196
I-210	Lincoln Avenue	SR 2	157,864	18,523	159,427	18,660	11.7	1,563	137
I-210	SR 2	La Crescenta Avenue	156,582	19,033	156,865	19,114	12.2	283	81
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	252,041	20,652	251,206	20,701	8.2	-836	49
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	277,694	21,976	276,654	22,014	8.0	-1,041	37
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	278,932	21,899	278,204	21,920	7.9	-728	21
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	226,004	19,383	225,517	19,432	8.6	-487	48
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	49,798	1,131	52,166	1,336	2.6	2,368	204
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	58,745	2,335	98,645	4,038	4.1	39,901	1,703
SR710	SR710 and I-10 Interchange	SR710 and I-10 Interchange	74,500	3,533	107,766	4,718	4.4	33,267	1,185

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	North Termini	South Termini							
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	159,340	14,365	169,056	12,649	7.5	9,716	-1,717
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	181,798	8,309	184,929	8,056	4.4	3,131	-253
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	303,326	22,514	306,110	20,835	6.8	2,784	-1,679
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	235,409	13,038	237,243	12,999	5.5	1,834	-39
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	290,737	15,203	289,465	15,172	5.2	-1,272	-32
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	245,586	13,960	247,050	13,970	5.7	1,465	11
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	242,106	15,586	242,822	15,605	6.4	716	19

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 3: 2020 BRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	255,473	31,034	254,997	31,009	12.2	-477	-25
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	286,650	36,815	285,379	36,961	13.0	-1,271	146
I-210	Rosemead Boulevard	San Gabriel Boulevard	326,076	37,706	324,899	37,850	11.6	-1,177	144
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	352,422	38,237	351,843	38,418	10.9	-578	180
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	255,077	22,685	254,743	22,792	8.9	-334	107
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	49,798	1,131	52,102	1,376	2.6	2,304	245
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	165,631	18,734	167,831	19,037	11.3	2,199	303
I-210	Lincoln Avenue	SR 2	157,864	18,523	159,063	18,744	11.8	1,199	221
I-210	SR 2	La Crescenta Avenue	156,582	19,033	156,624	19,202	12.3	42	169
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	252,041	20,652	252,020	20,719	8.2	-21	67
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	277,694	21,976	277,614	22,007	7.9	-80	31
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	278,932	21,899	278,599	21,912	7.9	-333	13
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	226,004	19,383	225,891	19,446	8.6	-113	63
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	49,798	1,131	52,102	1,376	2.6	2,304	245
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	58,745	2,335	98,603	4,247	4.3	39,859	1,912
SR710	SR710 and I-10 Interchange	SR710 and I-10 Interchange	74,500	3,533	107,575	5,041	4.7	33,075	1,508

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	North Termini	South Termini							
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	159,340	14,365	168,063	14,555	8.7	8,723	190
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	181,798	8,309	184,828	8,262	4.5	3,030	-47
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	303,326	22,514	305,083	22,468	7.4	1,758	-46
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	235,409	13,038	235,713	12,923	5.5	304	-115
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	290,737	15,203	289,504	15,195	5.2	-1,233	-8
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	245,586	13,960	247,067	13,896	5.6	1,481	-64
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	242,106	15,586	242,676	15,530	6.4	570	-56

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 4: 2025 LRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	257,729	34,837	13.5	-238	19
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	288,950	40,986	14.2	-1,097	-15
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	328,760	41,944	12.8	-566	0
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	355,254	42,456	12.0	-656	-12
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	257,889	24,782	9.6	-295	22
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	51,749	1,338	2.6	1,109	140
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	169,109	21,410	12.7	1,058	46
I-210	Lincoln Avenue	SR 2	160,165	21,175	160,988	21,164	13.1	823	-11
I-210	SR 2	La Crescenta Avenue	159,064	21,991	159,284	21,825	13.7	219	-166
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	254,251	22,378	8.8	-204	24
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	279,866	23,672	8.5	277	9
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	281,479	23,584	8.4	-190	5
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	228,726	21,006	9.2	-259	38
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	51,749	1,338	2.6	1,109	140
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	59,217	2,535	68,881	2,962	4.3	9,665	427
SR710	SR710 and I-10 Interchange	SR710 and I-10 Interchange	75,121	3,780	83,589	4,137	4.9	8,468	357

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	North Termini	South Termini							
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	164,622	13,855	8.4	2,870	-342
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	182,756	8,362	4.6	162	-31
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	305,007	22,359	7.3	779	-982
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	236,871	13,393	5.7	-122	-377
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	291,245	15,985	5.5	-136	-183
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	248,789	14,732	5.9	781	-216
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	245,763	16,778	6.8	365	-184

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 5: 2025 Dual Bore No Toll and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	255,733	34,595	13.5	-2,235	-223
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	280,832	39,820	14.2	-9,216	-1,182
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	318,887	40,770	12.8	-10,439	-1,174
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	348,068	41,256	11.9	-7,841	-1,212
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	260,879	24,091	9.2	2,694	-670
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	80,160	225	0.3	29,520	-973
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	205,924	20,157	9.8	37,874	-1,207
I-210	Lincoln Avenue	SR 2	160,165	21,175	191,642	20,011	10.4	31,477	-1,165
I-210	SR 2	La Crescenta Avenue	159,064	21,991	180,395	20,428	11.3	21,331	-1,563
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	250,354	21,876	8.7	-4,101	-478
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	290,402	22,901	7.9	10,814	-762
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	290,468	23,059	7.9	8,798	-520
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	237,994	20,495	8.6	9,010	-473
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	80,160	225	0.3	29,520	-973
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	164,523	0	0.0	164,523	0
SR710	SR710 North Portal	SR710 South portal	0	0	179,977	0	0.0	179,977	0

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SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	193,994	890	0.5	193,994	890
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	158,206	2,031	1.3	83,085	-1,749
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	196,707	5,602	2.8	34,955	-8,595
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	188,270	8,083	4.3	5,676	-311
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	298,912	16,927	5.7	-5,316	-6,414
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	233,517	13,452	5.8	-3,476	-318
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	294,992	15,868	5.4	3,611	-300
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	253,412	14,823	5.8	5,404	-126
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	248,882	16,766	6.7	3,484	-196

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 6: 2025 Single Bore with Tolls and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	257,193	34,698	13.5	-775	-121
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	285,766	40,326	14.1	-4,282	-675
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	324,312	41,252	12.7	-5,014	-692
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	353,226	41,762	11.8	-2,684	-706
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	263,722	24,442	9.3	5,538	-318
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	67,362	240	0.4	16,722	-958
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	188,478	20,539	10.9	20,427	-824
I-210	Lincoln Avenue	SR 2	160,165	21,175	178,783	20,379	11.4	18,617	-797
I-210	SR 2	La Crescenta Avenue	159,064	21,991	169,685	21,321	12.6	10,621	-669
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	256,817	22,174	8.6	2,363	-179
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	281,101	23,315	8.3	1,512	-348
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	283,871	23,439	8.3	2,202	-140
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	231,274	20,816	9.0	2,289	-152
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	67,362	240	0.4	16,722	-958
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	38,402	1,000	85,070	0	0.0	46,668	-1,000

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SR710	SR710 North Portal	SR710 South portal	0	0	88,519	0	0.0	88,519	0
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	59,217	2,535	105,458	975	0.9	46,241	-1,560
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	125,996	2,599	2.1	50,875	-1,181
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	183,104	9,277	5.1	21,352	-4,920
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	184,437	8,258	4.5	1,843	-136
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	302,564	19,770	6.5	-1,664	-3,571
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	239,216	13,713	5.7	2,222	-57
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	291,126	16,014	5.5	-255	-154
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	250,009	14,788	5.9	2,001	-161
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	246,864	16,715	6.8	1,466	-247

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 7: 2035 TSM/TDM Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	256,617	40,974	16.0	-558	27
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	294,679	48,961	16.6	-1,136	-100
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	334,241	50,048	15.0	-781	-106
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	360,719	50,532	14.0	-638	-65
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	263,374	29,572	11.2	-568	-6
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	52,553	1,525	2.9	2,046	249
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	172,426	25,632	14.9	1,617	190
I-210	Lincoln Avenue	SR 2	162,521	25,227	163,400	25,322	15.5	879	95
I-210	SR 2	La Crescenta Avenue	162,495	26,625	162,457	26,556	16.3	-37	-68
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	259,288	26,605	10.3	715	6
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	286,554	28,040	9.8	608	26
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	287,968	27,969	9.7	-270	0
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	234,962	25,145	10.7	44	6
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	52,553	1,525	2.9	2,046	249
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	100,798	4,578	4.5	39,607	1,734

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SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	110,566	5,348	4.8	33,033	1,320
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	174,491	15,018	8.6	8,110	-1,717
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	184,805	9,347	5.1	2,312	-196
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	313,585	25,211	8.0	1,826	-1,874
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	238,612	15,770	6.6	-1,670	-438
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	300,865	19,101	6.3	-2,029	55
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	257,092	17,826	6.9	709	110
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	254,695	19,989	7.8	607	32

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 8: 2035 BRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	256,891	40,979	16.0	-284	32
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	294,664	48,941	16.6	-1,151	-120
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	334,030	50,033	15.0	-992	-122
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	360,632	50,530	14.0	-726	-68
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	263,531	29,542	11.2	-411	-36
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	52,695	1,593	3.0	2,187	318
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	172,266	25,670	14.9	1,457	228
I-210	Lincoln Avenue	SR 2	162,521	25,227	163,295	25,346	15.5	774	119
I-210	SR 2	La Crescenta Avenue	162,495	26,625	162,375	26,574	16.4	-120	-51
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	258,739	26,568	10.3	166	-31
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	285,768	27,945	9.8	-178	-69
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	288,055	27,868	9.7	-182	-100
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	235,132	25,096	10.7	213	-43
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	52,695	1,593	3.0	2,187	318
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	99,240	4,638	4.7	38,049	1,795
SR710	SR710 and I-10 Interchange	SR710 and I-10 Interchange	77,533	4,028	110,660	5,561	5.0	33,127	1,533

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	North Termini	South Termini							
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	173,758	16,490	9.5	7,376	-244
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	185,132	9,555	5.2	2,638	12
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	312,800	26,062	8.3	1,042	-1,022
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	238,114	16,081	6.8	-2,168	-127
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	300,818	19,110	6.4	-2,075	63
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	257,067	17,777	6.9	685	60
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	254,311	19,979	7.9	223	22

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 9: 2035 LRT Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	257,774	41,030	15.9	599	83
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	296,000	48,734	16.5	186	-327
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	335,339	49,799	14.9	317	-356
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	361,593	50,267	13.9	235	-330
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	264,836	29,348	11.1	894	-231
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	51,594	1,414	2.7	1,087	138
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	171,474	25,449	14.8	666	7
I-210	Lincoln Avenue	SR 2	162,521	25,227	163,078	25,188	15.4	557	-39
I-210	SR 2	La Crescenta Avenue	162,495	26,625	162,763	26,366	16.2	268	-259
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	260,689	26,357	10.1	2,116	-243
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	287,992	27,764	9.6	2,046	-250
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	289,538	27,689	9.6	1,301	-280
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	236,135	24,896	10.5	1,216	-243
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	51,594	1,414	2.7	1,087	138
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	64,233	3,073	4.8	3,042	230
SR710	SR710 and I-10 Interchange	SR710 and I-10 Interchange	77,533	4,028	79,914	4,248	5.3	2,382	220

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	North Termini	South Termini							
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	167,906	15,762	9.4	1,524	-973
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	182,411	9,531	5.2	-82	-12
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	309,157	26,009	8.4	-2,602	-1,076
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	236,459	15,894	6.7	-3,823	-314
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	298,867	19,092	6.4	-4,026	46
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	250,355	17,686	7.1	-6,028	-30
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	250,172	19,962	8.0	-3,916	5

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 10: 2035 Dual Bore No Toll and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	254,728	41,044	16.1	-2,447	98
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	287,258	47,536	16.5	-8,556	-1,525
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	324,864	48,620	15.0	-10,158	-1,535
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	354,590	49,109	13.8	-6,768	-1,489
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	267,743	28,655	10.7	3,801	-923
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	106,571	328	0.3	56,064	-948
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	209,190	24,042	11.5	38,381	-1,400
I-210	Lincoln Avenue	SR 2	162,521	25,227	193,550	23,888	12.3	31,029	-1,339
I-210	SR 2	La Crescenta Avenue	162,495	26,625	183,238	24,960	13.6	20,743	-1,664
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	255,711	25,915	10.1	-2,861	-684
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	295,877	26,993	9.1	9,930	-1,022
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	296,699	27,153	9.2	8,462	-816
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	244,220	24,310	10.0	9,302	-829
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	106,571	328	0.3	56,064	-948
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	106,725	0	0.0	106,725	0
SR710	SR710 North Portal	SR710 South portal	0	0	183,125	0	0.0	183,125	0

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SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	208,010	1,708	0.8	208,010	1,708
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	160,407	2,289	1.4	82,874	-1,739
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	199,085	7,131	3.6	32,704	-9,604
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	188,061	8,903	4.7	5,568	-640
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	304,610	21,013	6.9	-7,149	-6,071
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	234,356	15,754	6.7	-5,925	-453
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	306,827	18,723	6.1	3,933	-323
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	261,714	17,573	6.7	5,332	-144
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	257,496	19,841	7.7	3,408	-116

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 11: 2035 Single Bore with Tolls and without Trucks Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	255,314	40,877	16.0	-1,861	-69
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	292,083	48,248	16.5	-3,731	-813
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	330,198	49,326	14.9	-4,824	-829
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	359,217	49,817	13.9	-2,141	-781
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	270,097	29,200	10.8	6,154	-379
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	66,508	367	0.6	16,001	-909
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	190,380	24,550	12.9	19,571	-892
I-210	Lincoln Avenue	SR 2	162,521	25,227	180,563	24,388	13.5	18,042	-839
I-210	SR 2	La Crescenta Avenue	162,495	26,625	172,677	25,863	15.0	10,182	-762
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	262,816	26,384	10.0	4,243	-215
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	287,006	27,601	9.6	1,059	-413
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	290,746	27,777	9.6	2,509	-192
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	237,694	24,858	10.5	2,775	-281
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	66,508	367	0.6	16,001	-909
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	39,143	1,080	64,506	0	0.0	25,364	-1,080

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SR710	SR710 North Portal	SR710 South portal	0	0	93,328	0	0.0	93,328	0
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	122,466	1,860	1.5	61,275	-984
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	130,303	2,893	2.2	52,770	-1,135
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	186,693	11,672	6.3	20,311	-5,062
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	183,788	9,137	5.0	1,295	-406
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	307,995	24,180	7.9	-3,763	-2,905
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	239,019	16,328	6.8	-1,263	120
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	301,352	19,125	6.3	-1,542	78
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	257,273	17,774	6.9	890	57
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	254,959	20,058	7.9	871	101

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 12: 2025 Dual Bore No Toll Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	255,667	34,351	13.4	-2,301	-467
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	280,496	37,680	13.4	-9,551	-3,322
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	318,656	38,536	12.1	-10,670	-3,408
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	348,044	39,235	11.3	-7,865	-3,233
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	262,000	23,825	9.1	3,815	-936
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	80,437	12,348	15.4	29,797	11,150
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	202,933	32,531	16.0	34,883	11,168
I-210	Lincoln Avenue	SR 2	160,165	21,175	187,743	31,727	16.9	27,578	10,552
I-210	SR 2	La Crescenta Avenue	159,064	21,991	177,420	29,980	16.9	18,356	7,990
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	251,184	20,966	8.3	-3,270	-1,388
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	288,608	24,096	8.3	9,020	433
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	289,022	24,104	8.3	7,352	525
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	237,464	22,387	9.4	8,480	1,419
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	80,437	12,348	15.4	29,797	11,150
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	164,384	21,164	12.9	164,384	21,164

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SR710	SR710 North Portal	SR710 South portal	0	0	180,182	22,135	12.3	180,182	22,135
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	193,294	22,606	11.7	193,294	22,606
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	157,557	17,173	10.9	82,436	13,393
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	193,671	20,752	10.7	31,919	6,556
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	188,854	8,717	4.6	6,260	324
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	300,214	16,708	5.6	-4,015	-6,634
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	235,024	13,216	5.6	-1,970	-553
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	294,786	16,453	5.6	3,404	285
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	253,423	15,062	5.9	5,415	113
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	248,854	16,875	6.8	3,456	-87

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 13: 2025 Dual Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	256,077	34,494	13.5	-1,890	-325
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	281,675	38,538	13.7	-8,372	-2,463
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	319,471	39,439	12.3	-9,856	-2,505
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	349,241	40,029	11.5	-6,668	-2,439
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	262,282	23,941	9.1	4,097	-819
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	77,111	6,834	8.9	26,471	5,636
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	203,049	26,771	13.2	34,998	5,407
I-210	Lincoln Avenue	SR 2	160,165	21,175	188,314	26,335	14.0	28,148	5,160
I-210	SR 2	La Crescenta Avenue	159,064	21,991	177,187	25,749	14.5	18,123	3,759
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	252,216	21,392	8.5	-2,238	-961
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	287,265	24,872	8.7	7,676	1,209
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	287,773	24,961	8.7	6,104	1,382
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	236,234	22,761	9.6	7,249	1,793
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	77,111	6,834	8.9	26,471	5,636
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	153,574	12,465	8.1	153,574	12,465

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SR710	SR710 North Portal	SR710 South portal	0	0	167,830	13,159	7.8	167,830	13,159
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	181,783	13,893	7.6	181,783	13,893
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	154,821	11,390	7.4	79,700	7,611
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	194,156	14,640	7.5	32,404	443
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	188,133	8,346	4.4	5,539	-47
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	300,224	16,318	5.4	-4,005	-7,023
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	234,619	13,217	5.6	-2,374	-553
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	293,532	16,323	5.6	2,151	155
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	252,446	15,063	6.0	4,438	115
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	247,748	16,871	6.8	2,350	-91

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 14: 2025 Single Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	256,951	34,475	13.4	-1,017	-343
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	285,314	38,860	13.6	-4,733	-2,141
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	324,179	39,752	12.3	-5,147	-2,192
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	353,125	40,365	11.4	-2,785	-2,103
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	263,566	24,124	9.2	5,381	-636
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	67,641	8,863	13.1	17,001	7,665
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	187,378	27,011	14.4	19,327	5,648
I-210	Lincoln Avenue	SR 2	160,165	21,175	177,642	26,541	14.9	17,476	5,365
I-210	SR 2	La Crescenta Avenue	159,064	21,991	168,909	26,066	15.4	9,845	4,076
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	256,557	21,609	8.4	2,103	-745
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	280,773	25,056	8.9	1,184	1,393
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	283,621	25,104	8.9	1,951	1,525
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	231,078	22,821	9.9	2,094	1,853
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	67,641	8,863	13.1	17,001	7,665
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	38,402	1,000	85,346	11,879	13.9	46,944	10,878

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SR710	SR710 North Portal	SR710 South portal	0	0	88,846	12,319	13.9	88,846	12,319
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	59,217	2,535	105,548	13,045	12.4	46,331	10,510
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	125,801	13,594	10.8	50,680	9,814
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	181,479	17,498	9.6	19,727	3,302
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	184,452	8,310	4.5	1,858	-84
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	301,626	18,267	6.1	-2,603	-5,074
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	237,100	13,403	5.7	106	-367
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	290,594	16,170	5.6	-788	2
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	249,439	14,876	6.0	1,431	-73
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	246,521	16,760	6.8	1,123	-202

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 15: 2025 Single Bore with Tolls and Express Bus Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,968	34,818	257,150	34,507	13.4	-818	-311
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	290,048	41,001	285,597	38,959	13.6	-4,451	-2,042
I-210	Rosemead Boulevard	San Gabriel Boulevard	329,326	41,944	323,989	39,872	12.3	-5,337	-2,072
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	355,909	42,468	352,904	40,491	11.5	-3,006	-1,977
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	258,185	24,761	263,183	24,193	9.2	4,998	-567
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,640	1,198	65,844	8,776	13.3	15,205	7,578
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	168,051	21,364	186,703	27,035	14.5	18,652	5,672
I-210	Lincoln Avenue	SR 2	160,165	21,175	177,118	26,589	15.0	16,952	5,413
I-210	SR 2	La Crescenta Avenue	159,064	21,991	168,346	26,207	15.6	9,282	4,216
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	254,454	22,354	255,709	21,681	8.5	1,254	-673
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	279,589	23,663	279,550	25,438	9.1	-38	1,775
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	281,669	23,579	282,703	25,495	9.0	1,034	1,915
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	228,985	20,968	230,517	23,193	10.1	1,532	2,225
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,640	1,198	65,844	8,776	13.3	15,205	7,578
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	38,402	1,000	82,718	12,063	14.6	44,316	11,063

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SR710	SR710 North Portal	SR710 South portal	0	0	86,244	12,551	14.6	86,244	12,551
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	59,217	2,535	100,009	12,814	12.8	40,792	10,279
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	75,121	3,780	124,534	13,840	11.1	49,413	10,061
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	161,752	14,197	180,868	17,679	9.8	19,115	3,482
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,594	8,394	184,996	8,202	4.4	2,402	-191
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	304,228	23,341	302,343	18,144	6.0	-1,885	-5,197
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	236,993	13,770	239,211	13,625	5.7	2,217	-145
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	291,381	16,168	291,337	16,170	5.6	-45	2
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	248,008	14,949	249,778	14,877	6.0	1,770	-72
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	245,398	16,962	246,448	16,790	6.8	1,050	-172

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 16: 2035 Dual Bore No Toll Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	254,734	40,453	15.9	-2,441	-494
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	287,035	45,245	15.8	-8,779	-3,816
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	324,819	46,158	14.2	-10,203	-3,997
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	354,544	46,892	13.2	-6,813	-3,705
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	268,722	28,387	10.6	4,780	-1,191
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	106,831	19,504	18.3	56,324	18,228
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	205,952	39,149	19.0	35,144	13,707
I-210	Lincoln Avenue	SR 2	162,521	25,227	188,728	38,190	20.2	26,207	12,963
I-210	SR 2	La Crescenta Avenue	162,495	26,625	179,941	36,737	20.4	17,446	10,113
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	256,577	25,001	9.7	-1,996	-1,599
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	293,592	28,397	9.7	7,646	383
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	295,014	28,437	9.6	6,776	468
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	242,967	26,454	10.9	8,048	1,315
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	106,831	19,504	18.3	56,324	18,228
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	106,690	21,268	19.9	106,690	21,268
SR710	SR710 North Portal	SR710 South portal	0	0	182,247	25,554	14.0	182,247	25,554

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SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	205,020	26,504	12.9	205,020	26,504
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	158,948	19,793	12.5	81,415	15,765
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	195,251	24,171	12.4	28,870	7,437
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	188,623	9,576	5.1	6,130	33
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	306,285	19,580	6.4	-5,473	-7,505
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	234,594	15,670	6.7	-5,688	-538
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	306,739	19,496	6.4	3,845	449
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	261,883	17,936	6.8	5,501	220
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	257,512	19,995	7.8	3,424	37

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 17: 2035 Dual Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	255,392	40,591	15.9	-1,782	-355
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	288,219	45,981	16.0	-7,595	-3,080
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	325,990	46,984	14.4	-9,032	-3,171
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	355,734	47,596	13.4	-5,623	-3,001
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	268,834	28,427	10.6	4,892	-1,151
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	101,808	11,164	11.0	51,301	9,888
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	205,905	32,481	15.8	35,097	7,039
I-210	Lincoln Avenue	SR 2	162,521	25,227	189,675	31,946	16.8	27,154	6,719
I-210	SR 2	La Crescenta Avenue	162,495	26,625	180,065	31,692	17.6	17,570	5,068
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	256,995	25,338	9.9	-1,577	-1,262
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	291,750	29,487	10.1	5,803	1,473
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	293,331	29,609	10.1	5,094	1,640
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	241,407	27,148	11.2	6,489	2,009
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	101,808	11,164	11.0	51,301	9,888
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	0	0	98,844	12,562	12.7	98,844	12,562

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SR710	SR710 North Portal	SR710 South portal	0	0	169,501	16,016	9.4	169,501	16,016
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	0	0	194,140	17,343	8.9	194,140	17,343
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	155,884	13,617	8.7	78,351	9,589
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	195,251	17,779	9.1	28,869	1,044
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	187,508	9,301	5.0	5,015	-242
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	306,747	19,485	6.4	-5,011	-7,599
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	235,516	15,589	6.6	-4,766	-618
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	305,459	19,423	6.4	2,565	376
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	260,709	18,011	6.9	4,327	294
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	257,034	20,014	7.8	2,946	57

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 18: 2035 Single Bore with Tolls Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	255,530	40,578	15.9	-1,645	-369
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	291,527	46,576	16.0	-4,287	-2,485
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	329,854	47,630	14.4	-5,168	-2,524
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	359,198	48,246	13.4	-2,160	-2,352
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	270,264	28,793	10.7	6,322	-785
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	70,026	10,820	15.5	19,519	9,544
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	188,914	32,629	17.3	18,106	7,188
I-210	Lincoln Avenue	SR 2	162,521	25,227	178,302	32,153	18.0	15,781	6,926
I-210	SR 2	La Crescenta Avenue	162,495	26,625	171,276	32,175	18.8	8,781	5,550
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	261,631	25,751	9.8	3,058	-849
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	286,457	29,944	10.5	510	1,929
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	290,344	30,035	10.3	2,107	2,066
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	237,877	27,429	11.5	2,958	2,290
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	70,026	10,820	15.5	19,519	9,544
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	39,143	1,080	71,511	12,265	17.2	32,369	11,185

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SR710	SR710 North Portal	SR710 South portal	0	0	89,949	14,994	16.7	89,949	14,994
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	119,875	16,331	13.6	58,684	13,487
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	128,063	16,320	12.7	50,530	12,292
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	183,371	21,014	11.5	16,990	4,280
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	185,651	9,095	4.9	3,157	-448
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	308,296	21,481	7.0	-3,462	-5,603
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	238,325	15,447	6.5	-1,956	-760
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	302,261	19,243	6.4	-633	197
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	257,666	17,817	6.9	1,284	100
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	254,976	20,023	7.9	888	66

Source: LSA Associates, Inc. and CH2MHill (May 2014).

Table 19: 2035 Single Bore with Tolls and Express Bus Traffic Volumes

Roadway			No Build		Build			Project Increase	
Name	Start	End	ADT	Truck ADT	ADT	Truck ADT	Truck %	ADT	Truck ADT
I-210	I-210 and I-605 Interchange East Termini	I-210 and I-605 Interchange West Termini	257,175	40,947	256,228	40,788	15.9	-946	-158
I-210	I-210 and I-605 Interchange West Termini	Rosemead Boulevard	295,814	49,061	291,281	46,624	16.0	-4,533	-2,437
I-210	Rosemead Boulevard	San Gabriel Boulevard	335,022	50,155	329,906	47,654	14.4	-5,116	-2,501
I-210	San Gabriel Boulevard	I-210 and I-710 Interchange East Termini	361,358	50,598	358,873	48,275	13.5	-2,485	-2,323
I-210	I-210 and I-710 Interchange East Termini	I-210 and I-710 Interchange Mid-Point	263,942	29,578	270,086	28,844	10.7	6,144	-734
I-210	I-210 and I-710 Interchange Mid-Point	I-210 and I-710 Interchange North Termini	50,507	1,276	70,176	10,805	15.4	19,669	9,529
I-210	I-210 and I-710 Interchange North Termini	Lincoln Avenue	170,808	25,442	189,208	32,593	17.2	18,400	7,151
I-210	Lincoln Avenue	SR 2	162,521	25,227	178,601	32,101	18.0	16,080	6,874
I-210	SR 2	La Crescenta Avenue	162,495	26,625	171,506	32,080	18.7	9,012	5,455
SR134	SR 134 start at 210/710 Interchange	SR 134/I-210/SR 710 Interchange West Termini	258,573	26,600	261,625	25,816	9.9	3,052	-784
SR134	SR 134/I-210/SR 710 Interchange West Termini	N. Figueroa Street	285,947	28,014	286,380	29,842	10.4	433	1,828
SR134	N. Figueroa Street	SR 134 and 2 Interchange east Termini	288,237	27,969	289,904	29,950	10.3	1,666	1,981
SR134	SR 134 and 2 Interchange east Termini	SR 134 and 2 Interchange west Termini	234,919	25,139	237,449	27,319	11.5	2,530	2,180
SR710	SR710 and I-210 Interchange Mid Point	SR710 and I-210 Interchange South Termini	50,507	1,276	70,176	10,805	15.4	19,669	9,529
SR710	SR710 and I-210 Interchange South Termini	SR710 North Portal	39,143	1,080	71,816	12,168	16.9	32,673	11,088

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SR710	SR710 North Portal	SR710 South portal	0	0	90,213	14,812	16.4	90,213	14,812
SR710	SR710 South portal	SR710 and I-10 Interchange North Termini	61,191	2,844	120,054	16,186	13.5	58,863	13,342
SR710	SR710 and I-10 Interchange North Termini	SR710 and I-10 Interchange South Termini	77,533	4,028	128,285	16,101	12.6	50,752	12,073
SR710	SR710 and I-10 Interchange South Termini	SR710 and I-60 Interchange	166,381	16,735	183,988	20,556	11.2	17,606	3,821
I-10	I-10 and I-5 Interchange west Termini	I-10 and I-5 Interchange east Termini	182,493	9,543	185,102	9,144	4.9	2,609	-399
I-10	I-10 and I-5 Interchange east Termini	I-10 and SR710 Interchange west Termini	311,759	27,084	308,804	21,129	6.8	-2,954	-5,955
I-10	I-10 and SR710 Interchange west Termini	I-10 and SR710 Interchange east Termini	240,281	16,208	239,344	15,689	6.6	-938	-519
I-10	I-10 and SR710 Interchange east Termini	Rosemead Boulevard	302,894	19,047	302,204	19,232	6.4	-689	185
I-10	Rosemead Boulevard	I-10 and I-605 Interchange west Termini	256,382	17,716	257,614	17,810	6.9	1,232	94
I-10	I-10 and I-605 Interchange west Termini	I-10 and I-605 Interchange West Termini	254,088	19,957	255,102	20,062	7.9	1,014	105

Source: LSA Associates, Inc. and CH2MHill (May 2014).

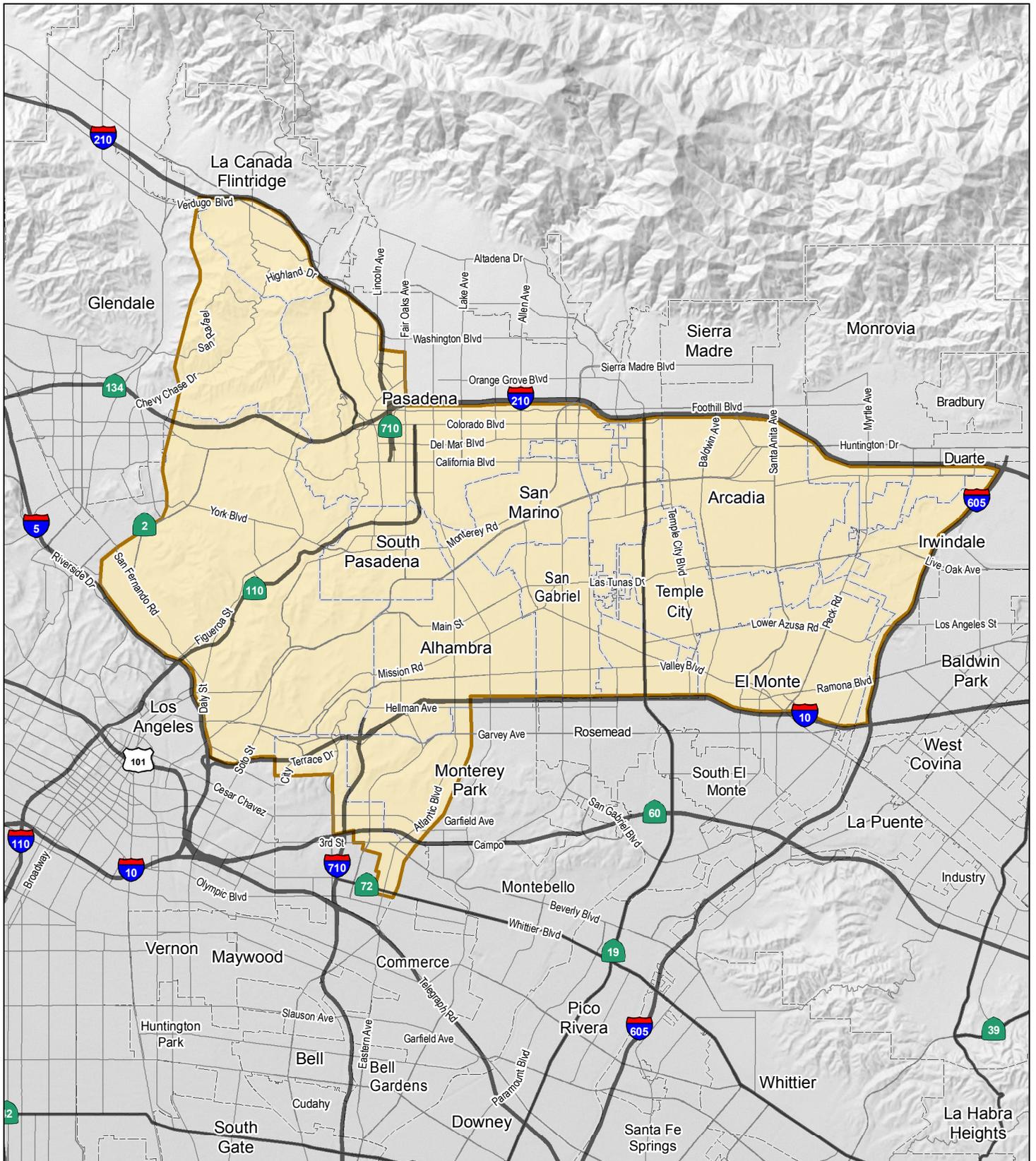
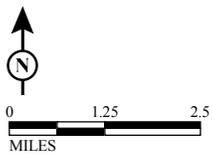


FIGURE 1-1

LEGEND
 SR 710 North Study Area



SOURCE: ESRI (2008); LSA (2013)
 F:\CHM1105\GIS\StudyArea.mxd (1/21/2014)

SR 710 North Study
 Project Location
 07-LA-710 (SR 710)
 EA 187900
 EFIS 0700000191

PRE-DELIBERATIVE DRAFT

SR 710 North – No Build Alternative (DRAFT)
2035 Programmed Projects

- | | | | |
|------------------|----------|-----------|----------|
| 1AL04-LAF3125 | LA01342 | LA0D198 | LA960018 |
| 1C0401 | LA0B408 | LA0D31 | LA996425 |
| 1HL08D01-LA0G138 | LA0B7234 | LA0D328 | LAE0039 |
| 1HL08D01-LA0G139 | LA0B875 | LA0D441 | LAE2515 |
| 1TR0404 | LA0C8012 | LA0D442 | LAE2517 |
| 1TR0705 | LA0C8046 | LA0F003 | LAE3085 |
| 1TR1011 | LA0C8054 | LA0F021 | LAF1197 |
| 7120010 | LA0C8055 | LA0F098 | LAF1455 |
| LA000357 | LA0C8063 | LA0G626 | UT101 |
| LA000358 | LA0C8064 | LA29202W | + |
| LA000548 | LA0C8087 | LA29212XY | — |
| | | | Rail |

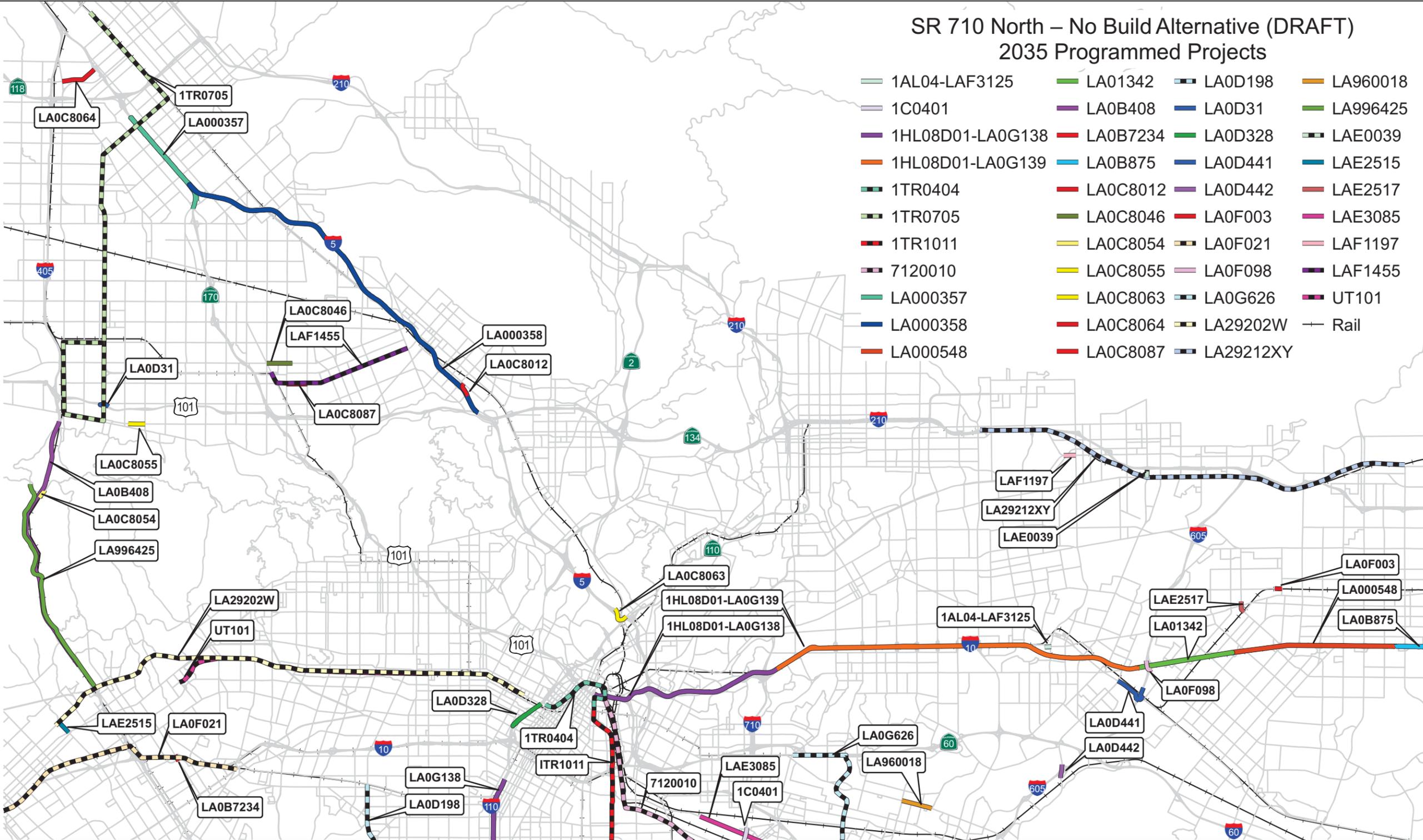


FIGURE 2-1



NOT TO SCALE
SOURCE: CH2M HILL (2013)
E:\CHM1105\G\No Build Alt.cdr (2/25/14)

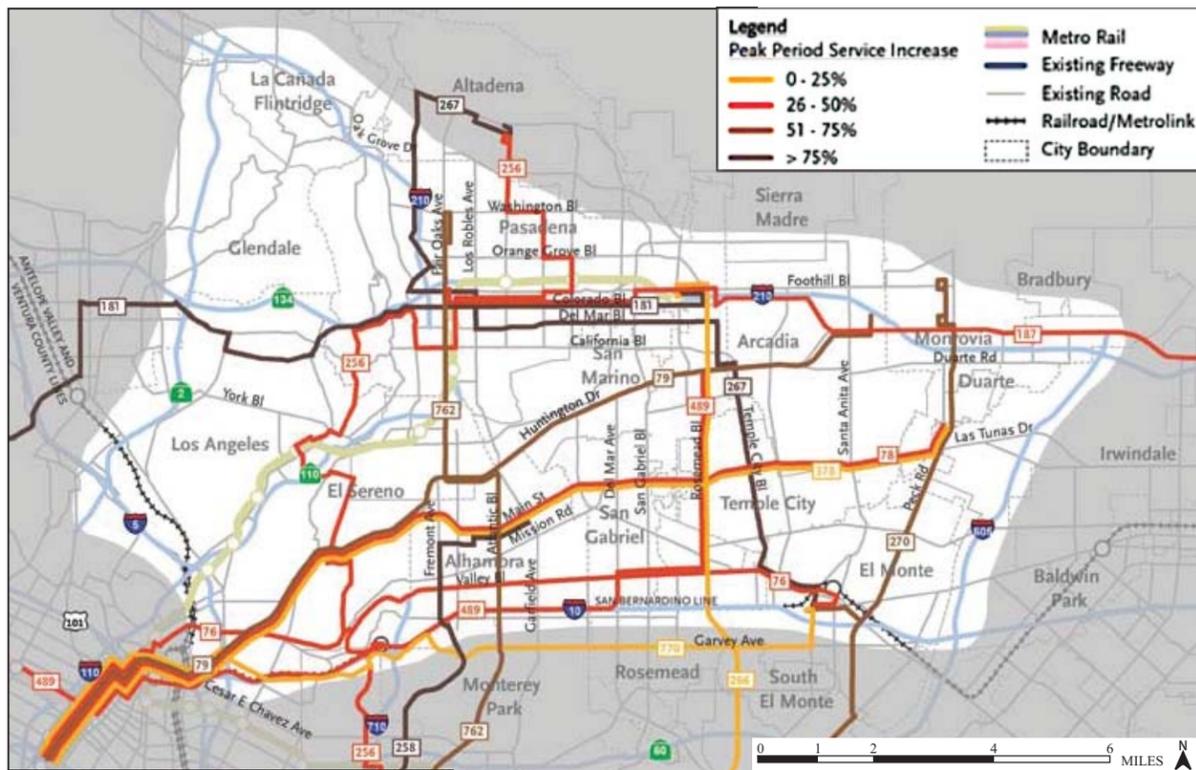
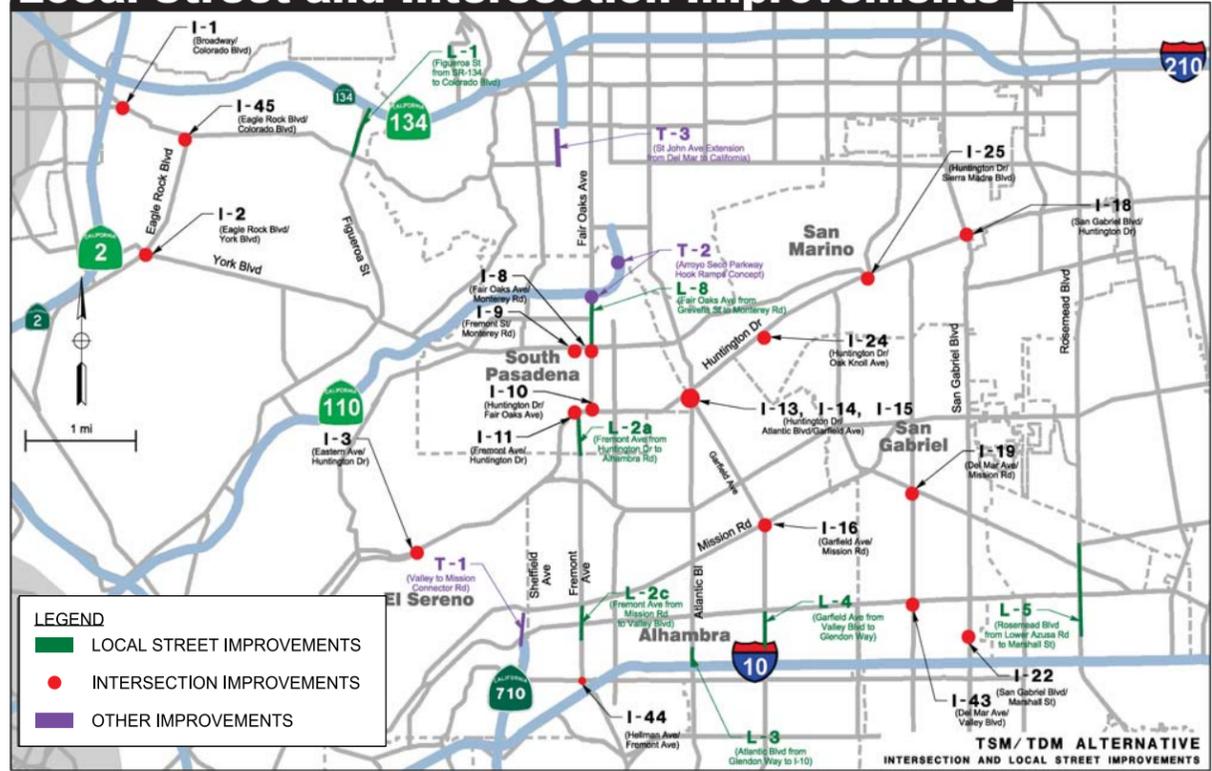
SR 710 North Study
No Build Alternative
07-LA-710 (SR 710)
EA 187900
EFIS 0700000191

PRE-DELIBERATIVE DRAFT

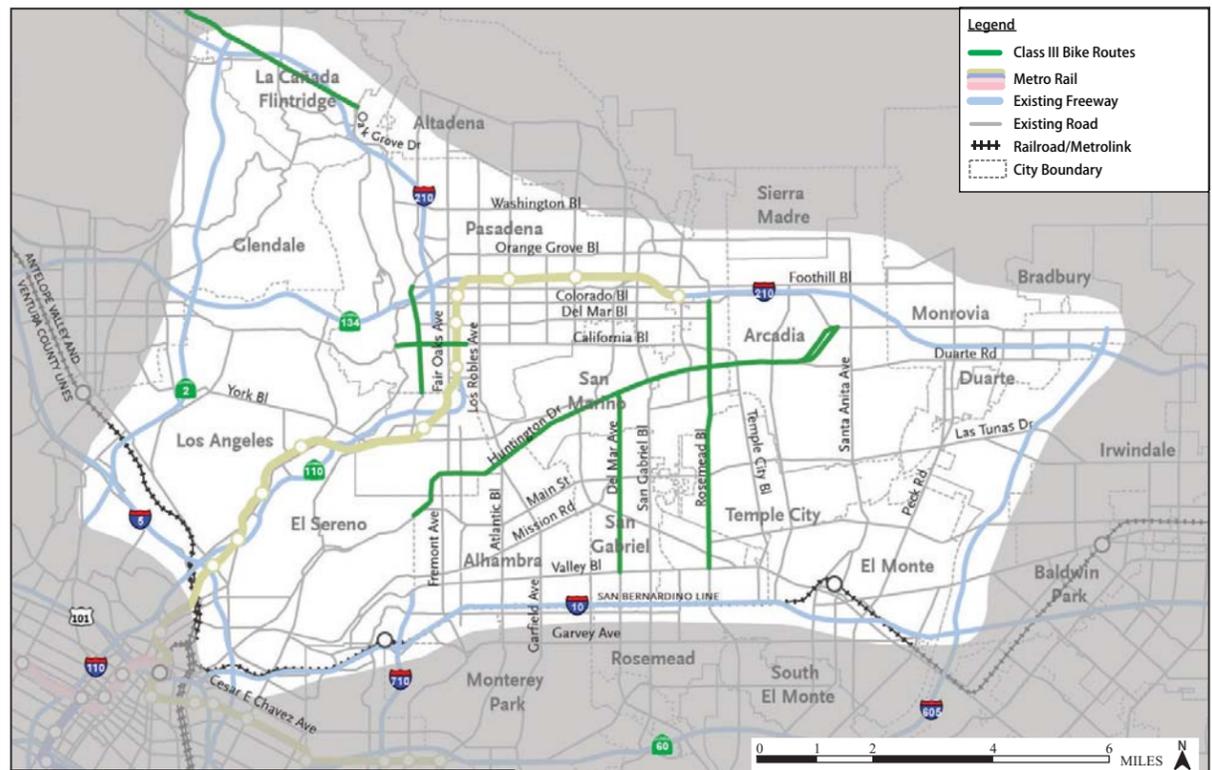
ITS Improvements



Local Street and Intersection Improvements



Transit Refinement



Active Transportation

FIGURE 2-2

SR 710 North Study
TSM/TDM Alternative

07-LA-710 (SR 710)
EA 187900
EFIS 0700000191

PRE-DELIBERATIVE DRAFT

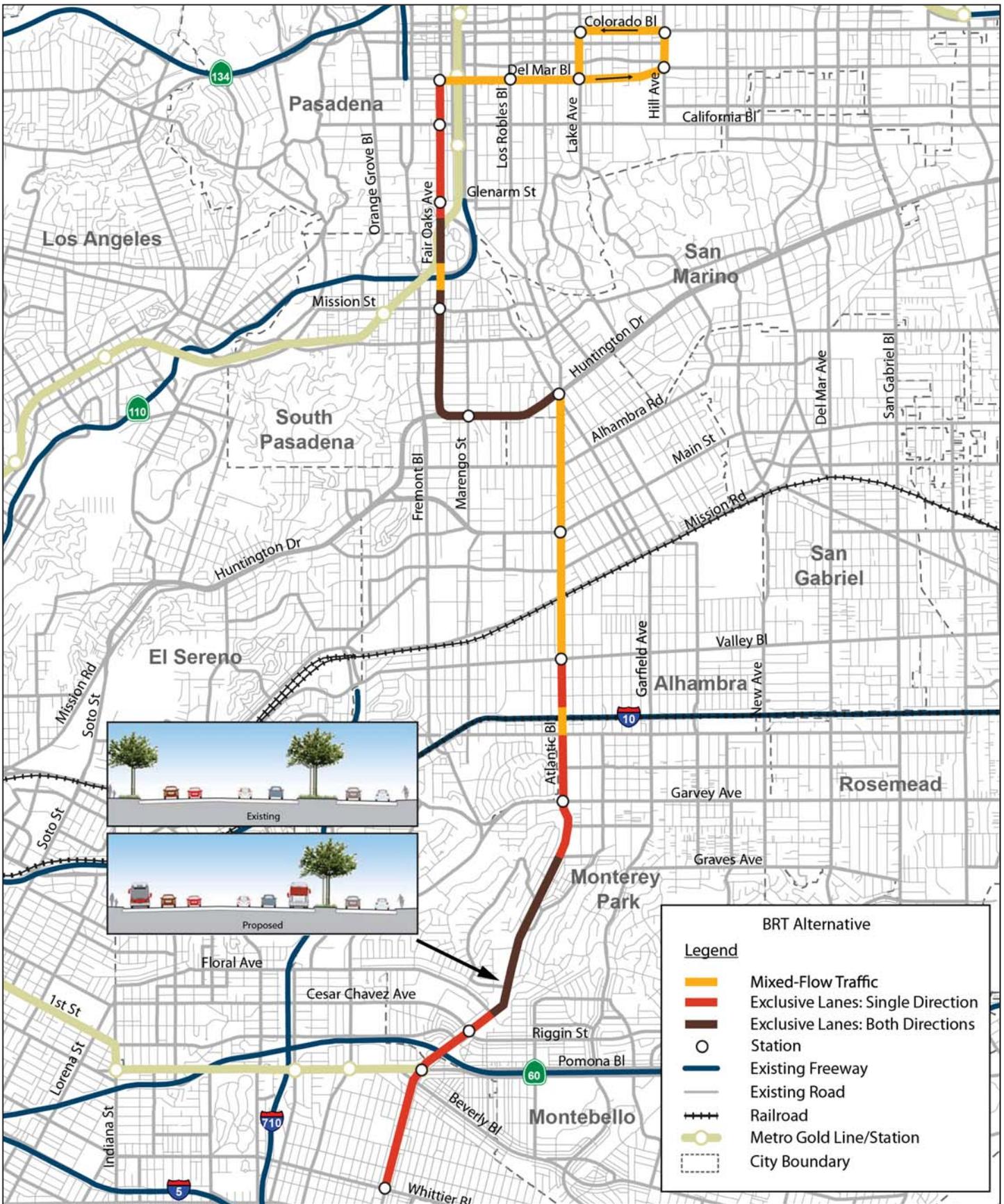


FIGURE 2-3



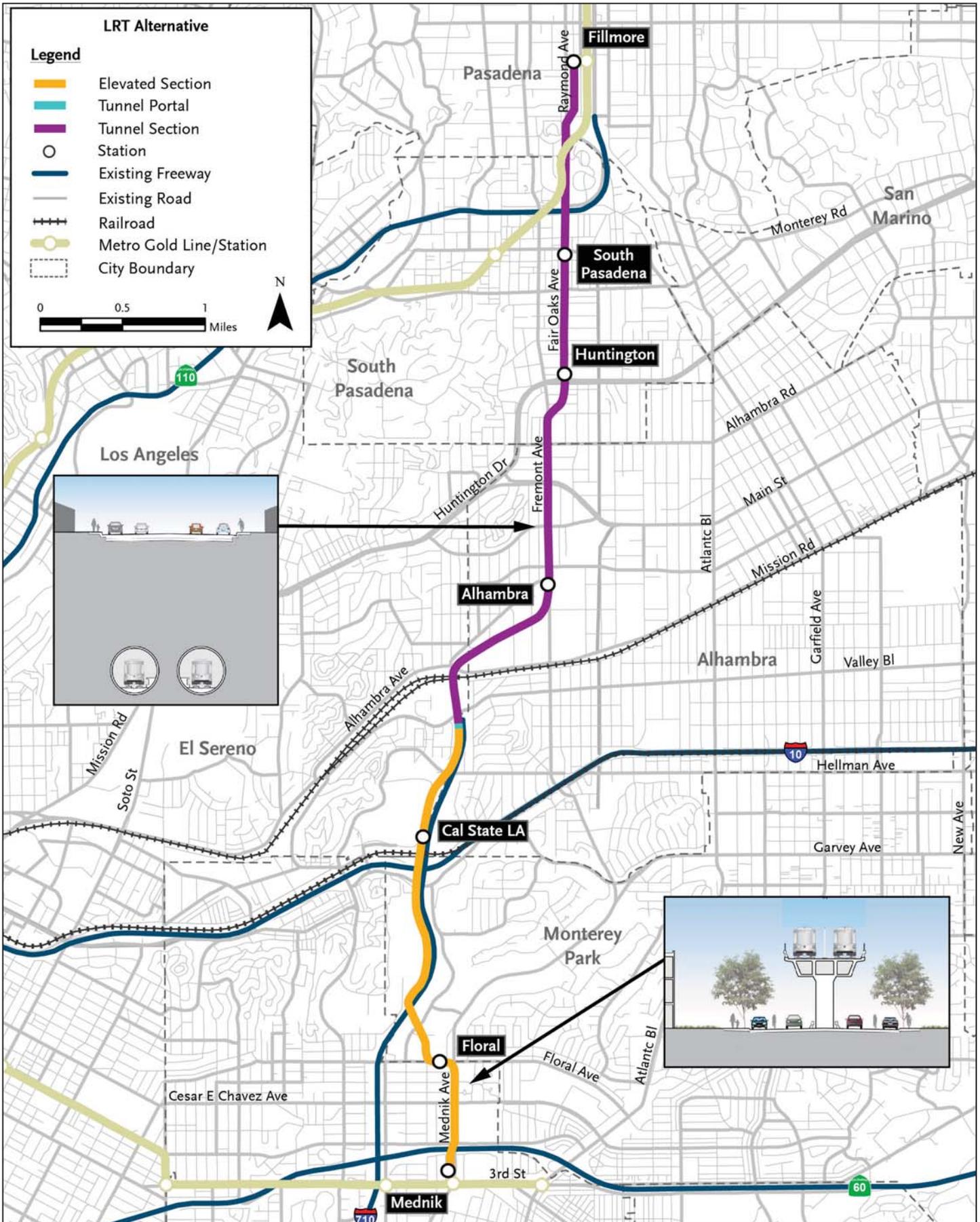


FIGURE 2-4



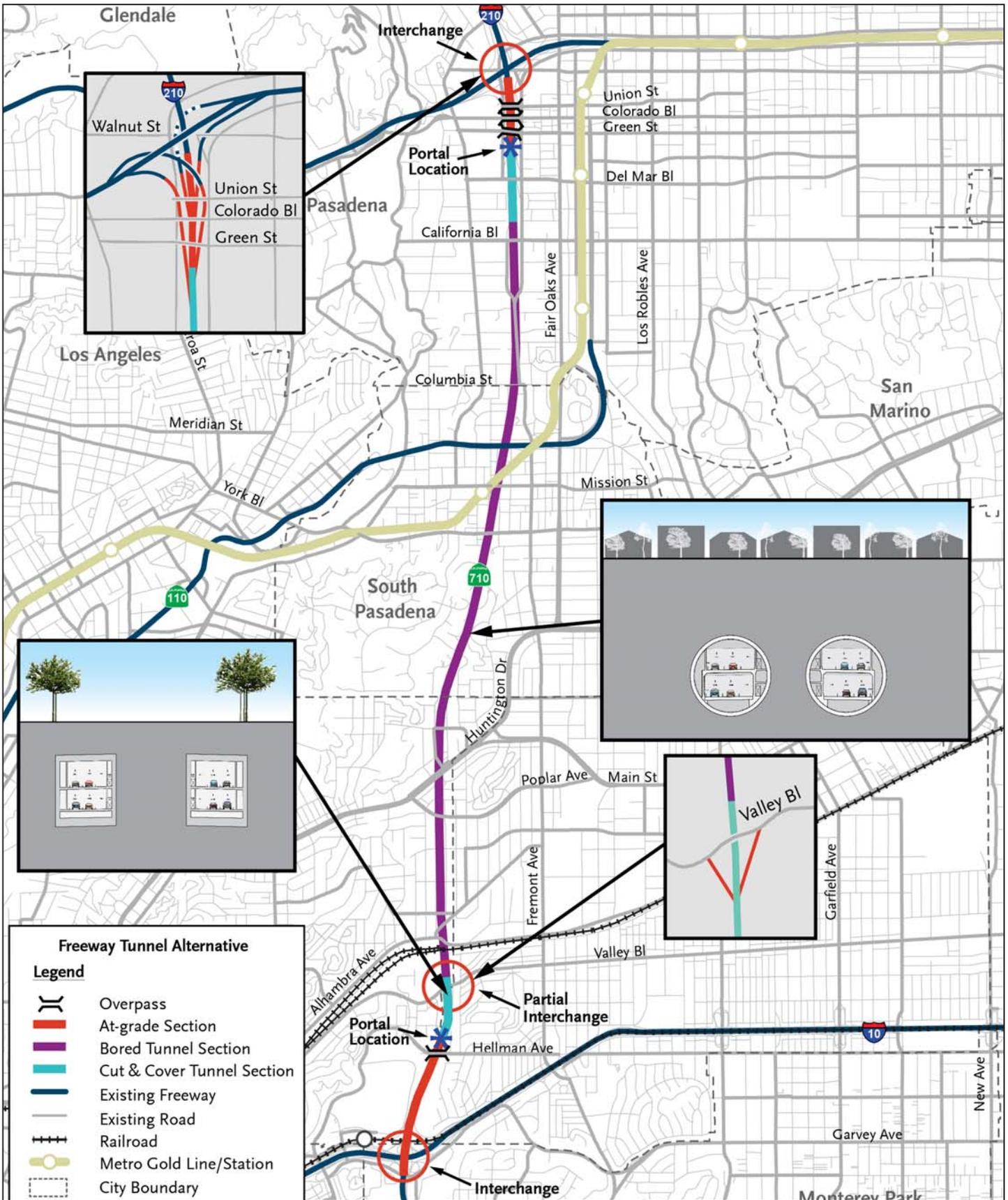


FIGURE 2-5



SOURCE: CH2M HILL (2013)
I:\CHM1105\Freeway Tunnel Alt Single&Dual Bore.cdr (5/14/14)

SR 710 North Study
Freeway Tunnel Alternative
Single and Dual Bore
07-LA-710 (SR 710)
EA 187900
EFIS 070000191

PRE-DELIBERATIVE DRAFT