

Table 5-4. Potential Underground Emphasis LRT Alternative Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-7 thru 7-9, 7-11, 7-14 thru 7-19	Little Tokyo Historic District	Listed National Historic Landmark	Listed	LTS		X	
7-7	Japanese Union Church of Los Angeles	Listed	Listed	LTS		X	
7-8	San Pedro Firm Building	Listed	Listed	LTS		X	
7-9	Mark Kuwata Real Estate	Eligible	Eligible	LTS		X	
7-11	1-3 story commercial building, Anzen Hardware	Listed	Listed	LTS		X	
7-14	1-3 story commercial building, Little Tokyo Hotel	Listed	Listed	LTS		X	
7-15	1-3 story commercial building, Ace Japanese Restaurant,	Listed	Listed	LTS		X	

Table 5-4. Potential Underground Emphasis LRT Alternative Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-16	A. Sperl Building	Listed	Listed	LTS		X	
7-17	3+ story commercial building, Daimora Hotel	Listed	Listed	LTS		X	
7-18	Far East Café Building	Listed	Listed	LTS		X	
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	LTS		X	
7-20	Aoyama Tree	Not Eligible	Listed	LTS	X		
7-26	Koyasan Buddhist Temple, Koyasan Church, Koyasan Temple	Eligible	Eligible	LTS		X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI Resource demolished during construction	X		
7-35	John A. Roebling's Sons Co., Robert Arranaga & Company, Incorporated	Eligible	Eligible	LTS		X	

Table 5-4. Potential Underground Emphasis LRT Alternative Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	LTS		X	
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	LTS		X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	LTS	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	LTS		X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	LTS		X	
9-R6	J.R. Newberry Company Building	Eligible	Eligible	LTS		X	
9-R7	1 st Street Viaduct (Bridge #53C-1166)	Eligible	Eligible	LTS		X	

Key for CEQA Impacts

LTS = Less Than Significant impact, no mitigation required

SI = Significant Impact that can be mitigated to less than significant

SU = Significant and Unavoidable impact

5.4.4 Potential Effects to Section 4(f) Resources

The Underground Emphasis LRT Alternative would require the acquisition of a subsurface easement beneath the Cathedral of St. Vibiana Rectory (APE Map #8-13). The subsurface easement would extend approximately five feet beyond the north (2nd Street side) property line of the building. The easement acquisition is a requirement of the project to provide a buffer between subsurface project facilities and at-grade structures. No project facilities would use any portion of the Rectory building or adversely affect the characteristics that make it eligible for the NRHP. Contingent upon consultation with the California SHPO and the Advisory Council on Historic Preservation (if the ACHP participates in consultation) and their respective concurrence, a *de minimus* impact finding would be consistent with FTA's *Guidance for Determining De Minimus Impacts to Section 4(f) Resources*.

5.5 Fully Underground LRT Alternative – Little Tokyo Variation 1

5.5.1 Construction Impacts

The following discussion describes potential effects in the APE due to construction activities for the Fully Underground LRT Alternative – Little Tokyo Variation 1. Table 5-5 lists the effects/impacts for each NRHP property/CRHR resource.

5.5.1.1 Temporary Dirt/Unintended Damage

Potential effects and impacts from dirt and unintended damage to historic properties and historical resources from the construction of the Fully Underground LRT Alternative – Little Tokyo Variation 1 would be similar to those previously described for the Underground Emphasis LRT Alternative.

5.5.1.2 Traffic Congestion/Parking/Access

Potential effects and impacts from changes in access, parking, and traffic patterns to historic properties and historical resources from the construction of the Fully Underground LRT Alternative – Little Tokyo Variation 1 would be similar to those described for the Underground Emphasis LRT Alternative

5.5.1.3 Visual

Potential visual effects and impacts to historic properties and historical resources from the construction of the Fully Underground LRT Alternative – Little Tokyo Variation 1 would be similar to those described for the Underground Emphasis LRT Alternative.

5.5.1.4 Demolition, Partial Takes or Alteration of a Property

Potential impacts to historical resources under this alternative from demolition or property acquisitions would be identical to those described for the Underground Emphasis LRT Alternative.

5.5.1.5 Station Construction

For the Fully Underground LRT Alternative - Little Tokyo Variation 1 a station would be constructed beneath Flower Street between 5th and 4th Streets. This would require demolition of a portion of the CRHR eligible Belmont Tunnel (APE Map #3-4). The Belmont Tunnel is not eligible for the NRHP. Another station would be constructed at the intersection of 2nd Street and Broadway. The effects of these construction activities on the NRHP eligible LA Mirror Building would be similar to those described for the Underground Emphasis LRT Alternative.

A proposed station would be constructed under Flower Street between 5th and 4th Streets. Although still conceptual and preliminary, the potential designs for station entrances would be modest glass canopies supported on steel frames. Largely transparent, the new entrances would not significantly alter views to the Los Angeles Central Library or the California Club.

Another proposed station would be constructed underground southwest of the intersection of 2nd and Hope Streets. The California Register eligible Walt Disney Concert Hall (APE Map #4-4) is located on the hill above the proposed station. The preliminary conceptual designs would be compatible with the contemporary forms, materials, and massing of this historical resource. The station is also near the NRHP eligible 2nd Street Tunnel (APE Map #4-3).

A fourth station would be constructed at 2nd Street and Central Avenue. This underground station may also include a small building at ground level on the southwest corner of 1st and Alameda Streets to house ventilation fans. If the entrances are similar to those proposed for the other stations, the changes would not result in a significant effect to the NRHP eligible John A. Roebling's Sons Co. Building (APE Map #7-35). While the station would also be near the CRHR eligible S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports (APE Map #7-30), this building would be removed as a result of the open cut method of construction in this portion of the alignment.

Section 106 Effects Analysis for Historic Properties

Construction of proposed stations would create effects to the Los Angeles Central Library, California Club, and the John A. Roebling Sons Co Buildings. However, the effects on these historic properties would not be considered adverse because the potential changes would not diminish the integrity of the properties' location, design, setting, materials, workmanship, feeling, or association.

CEQA Impact Analysis for Historical Resources

Construction of proposed stations would not constitute a substantial adverse change that would impair the significance of the Los Angeles Central Library, California Club, John A. Roebling Sons Co building, 2nd Street Tunnel, or the Disney Concert Hall. Implementation of MM-BE-1 would reduce any potential impact to the CRHR-eligible Belmont Tunnel to a less

than significant level. Potential changes in setting created by stations would not diminish the integrity of the resources' significant historic features. The Fully Underground LRT Alternative – Little Tokyo Variation 1, therefore, would have a less than significant impact upon historical resources.

The property acquisition and subsequent demolition of the S. Kamada Restaurant, Atomic Café, Senior Fish, and Coast Imports building would constitute a substantial adverse change that would impair the significance of the historical resource. However, implementation of MM-BE-1 and MM-BE-5 would reduce impacts to a less than significant level.

5.5.1.6 Portals

For this alternative two portals would be constructed. One portal would be located northeast of the Little Tokyo/Arts District Station and tracks. There are no historical resources or historic properties in the vicinity of this portal.

The second portal would be located within 1st Street between Alameda and Vignes Streets. The NRHP eligible J.R. Newberry Company Building (APE Map #9-6R) is located just east of the intersection of 1st Street and Vignes Street but would not be affected by this alternative.

Section 106 Effects Analysis for Historic Properties

The NRHP eligible J.R. Newberry Company Building (APE Map #9-6R) would be affected by the construction of a portal. No adverse effect would occur because the changes would not directly alter the setting of the historic property in a manner that would diminish the integrity of the historic property.

CEQA Impact Analysis for Historical Resources

Construction of a portal would not constitute a substantial adverse change that would impair the significance of the J.R. Newberry Company Building (APE Map #9-6R). The change in setting created by the portal would not diminish the integrity of the property's significant historic features. This alternative, therefore, would have a less than significant impact upon historical resources.

5.5.1.7 Noise and Vibration

Potential effects and impacts to historic properties and historical resources caused by noise and vibration would be the same as those discussed for the Underground Emphasis LRT Alternative. Implementation of mitigation measures MM-BE-2 and MM-BE-3 would avoid adverse effects to historic properties and reduce potential impacts to historical resources to a less than significant level.

5.5.1.8 Differential Settlement

Potential effects and impacts to historic properties and historical resources caused by differential settlement would be the same as those discussed in the Underground Emphasis LRT Alternative. Implementation of mitigation measures MM-BE-2, MM-BE-3, and MM-BE-4 (when applicable), would avoid adverse effects to historic properties and lower impacts to historical resources to a less than significant level.

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-3	Fine Arts Building, Global Marine House	Eligible	Listed	LTS			X	
2-5	Engine Company No. 28	Listed	Listed	LTS			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-10	811 Wilshire building, Tishman 615 building, Wilflower building	Eligible	Listed	LTS			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	
3-2	Los Angeles Central Library	Listed	Listed	SI			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	LTS		X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		
5-1 thru 5-13, 6-1 thru 6-7, 6-12	Los Angeles Civic Center Historic District	Eligible	Eligible	LTS			X	
5-1	Los Angeles Department of Water and Power Building, John Ferraro Office Building	Eligible	Eligible	LTS		X		
5-2	Ahmanson Theatre	Eligible	Eligible	LTS		X		

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-3	Mark Taper Forum	Eligible	Eligible	LTS		X		
5-4	Dorothy Chandler Pavilion	Eligible	Eligible	LTS		X		
5-5	Los Angeles County Hall of Administration, Kenneth Hahn Hall of Administration	Eligible	Eligible	LTS		X		
5-6	El Paseo de los Pobladores de Los Angeles	Eligible	Eligible	LTS		X		
5-7	Los Angeles County Courthouse, Stanley Mosk Los Angeles County Courthouse	Eligible	Eligible	LTS		X		
5-8	County of Los Angeles Central Heating and Refrigeration Plant	Eligible	Eligible	LTS		X		
5-9	Los Angeles County Hall of Records	Eligible	Eligible	LTS		X		
5-10	Court of Historic American Flags	Eligible	Eligible	LTS		X		

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-11	Los Angeles County Law Library, Mildred L. Lillie Building	Eligible	Eligible	LTS		X		
5-12	Hall of Justice, Los Angeles County Jail	Eligible	Eligible	LTS		X		
5-13	Clara Shortridge Foltz Criminal Justice Center	Eligible	Eligible	LTS		X		
6-1	U.S. Post Office and Court House Building, Federal Building	Listed	Listed	LTS			X	
6-2	Los Angeles City Hall	Eligible	Eligible	LTS			X	
6-3	Site of the <i>Los Angeles Star</i> Fletcher Bowron Square, Los Angeles Mall, Triforium, Bella Union Hotel site	Not Eligible	Listed California Historical Landmark	LTS		X		
6-4	City Health Building, City Hall South	Eligible	Eligible	LTS			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
6-5	Federal Building, North Los Angeles Field office	Eligible	Eligible	LTS			X	
6-6 6-7	The Police Facilities Building, Parker Center, Motor Transport Division	Eligible	Eligible	LTS			X	
6-8	City of Los Angeles Parking Lot 3, “Tinkertoy” Parking Structure	Not Eligible	Eligible	LTS		X		
7-1	Dorner & Hinz Saloon, Nelson Hotel, Red Wing Shoes, California Floral Company	Not Eligible	Eligible	LTS		X		
7-7 thru 7-9, 7-11, 7-14 thru 7- 19	Little Tokyo Historic District	Listed National Historic Landmark	Listed	LTS			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-7	Japanese Union Church of Los Angeles	Listed	Listed	LTS			X	
7-8	San Pedro Firm Building	Listed	Listed	LTS			X	
7-9	Mark Kuwata Real Estate	Eligible	Eligible	LTS			X	
7-11	1-3 story commercial building, Anzen Hardware	Listed	Listed	LTS			X	
7-14	1-3 story commercial building, Little Tokyo Hotel	Listed	Listed	LTS			X	
7-15	1-3 story commercial building, Ace Japanese Restaurant,	Listed	Listed	LTS			X	
7-16	A. Sperl Building	Listed	Listed	LTS			X	
7-17	3+ story commercial building, Daimora Hotel	Listed	Listed	LTS			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-18	Far East Café Building	Listed	Listed	LTS			X	
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	SI			X	
7-20	Aoyama Tree	Not Eligible	Listed	LTS		X		
7-26	Koyasan Buddhist Temple, Koyasan Church, Koyasan Temple	Eligible	Eligible	LTS			X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI Resource demolished during construction	X	X		
7-35	John A. Roebling’s Sons Co., Robert Arranaga & Company, Incorporated	Eligible	Eligible	LTS			X	
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	SI			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	SI			X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI	X (subsurface easement)	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI	X (Subsurface Easement)		X	
9-R6	J.R. Newberry Company Building	Eligible	Eligible	LTS			X	

Table 5-5. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
9-R7	1 st Street Viaduct (Bridge #53C-1166)	Eligible	Eligible	LTS			X	

Key for CEQA Impacts

LTS = Less Than Significant impact, no mitigation required

SI = Significant Impact that can be mitigated to less than significant

SU = Significant and Unavoidable impact

5.5.2 Operational Impacts

Potential operational effects and impacts of the Fully Underground LRT Alternative – Little Tokyo Variation 1 would be the same to historic properties and historical resources as those discussed for the Underground Emphasis LRT Alternative, except that a proposed switch, located at 1st and Alameda for the Underground Emphasis LRT Alternative, would instead be located at the intersection of 1st and Vignes Streets. Operation of the Fully Underground LRT Alternative - Little Tokyo Variation 1 would result in a moderate noise impact at this location. This switch is located near the NRHP eligible J.R. Newberry Company Building (APE Map #9R-6) and the 1st Street Viaduct (APE Map #9R-7). Moderate noise effects/impacts do not exceed the FTA Noise Impact Criteria, therefore no adverse effects to historic properties and no significant impacts to historical resources are anticipated from project operations. Table 5-6 lists potential effects and impacts by resource.

5.5.3 Cumulative and Indirect Impacts

There are no anticipated indirect impacts from the Fully Underground LRT Alternative – Little Tokyo Variation 1.

Cumulative effects and impacts include short-term effects during construction such as noise, dirt, changes in setting from the use or storage of equipment, or lack of access due to congestion or revisions in traffic patterns. Cumulative effects may also result from long-term effects such as additional traffic generated by an increase in density as new buildings are constructed. Taken collectively, the reasonably foreseeable projects in the project area do not appear to have additional effects upon historic properties or impacts upon historical resources that are affected by the Fully Underground LRT Alternative - Little Tokyo Variation 1.

5.5.4 Potential Effects to Section 4(f) Resources

The Fully Underground LRT Alternative - Little Tokyo Variation 1 would require the acquisition of a subsurface easement situated on one NRHP-eligible property; Cathedral of Saint Vibiana Rectory (APE Map # 8-13). No adverse effects would occur to the Rectory building as a result of the easement. This acquisition would result in a Section 4(f) *de minimus* finding.

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	LTS		X	
2-3	Fine Arts Building, Global Marine House	Eligible	Listed	LTS		X	
2-5	Engine Company No. 28	Listed	Listed	LTS		X	
2-7	Roosevelt Building	Listed	Listed	LTS		X	
2-10	811 Wilshire building, Tishman 615 building, Wilflower building	Eligible	Listed	LTS		X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	LTS		X	
2-13	Superior Oil Company Building	Listed	Listed	LTS		X	
3-1	The California Club	Eligible	Listed	LTS		X	
3-2	Los Angeles Central Library	Listed	Listed	LTS		X	
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	LTS	X		

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	LTS	X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	LTS	X		
5-1 thru 5-13, 6-1 thru 6-7, 6-12	Los Angeles Civic Center Historic District	Eligible	Eligible	LTS		X	
5-1	Los Angeles Department of Water and Power Building, John Ferraro Office Building	Eligible	Eligible	LTS	X		
5-2	Ahmanson Theatre	Eligible	Eligible	LTS	X		
5-3	Mark Taper Forum	Eligible	Eligible	LTS	X		
5-4	Dorothy Chandler Pavilion	Eligible	Eligible	LTS	X		
5-5	Los Angeles County Hall of Administration, Kenneth Hahn Hall of Administration	Eligible	Eligible	LTS	X		

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-6	El Paseo de los Pobladores de Los Angeles	Eligible	Eligible	LTS	X		
5-7	Los Angeles County Courthouse, Stanley Mosk Los Angeles County Courthouse	Eligible	Eligible	LTS	X		
5-8	County of Los Angeles Central Heating and Refrigeration Plant	Eligible	Eligible	LTS	X		
5-9	Los Angeles County Hall of Records	Eligible	Eligible	LTS	X		
5-10	Court of Historic American Flags	Eligible	Eligible	LTS	X		
5-11	Los Angeles County Law Library, Mildred L. Lillie Building	Eligible	Eligible	LTS	X		
5-12	Hall of Justice, Los Angeles County Jail	Eligible	Eligible	LTS	X		
5-13	Clara Shortridge Foltz Criminal Justice Center	Eligible	Eligible	LTS	X		
6-1	U.S. Post Office and Court House Building, Federal Building	Listed	Listed	LTS		X	

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
6-2	Los Angeles City Hall	Eligible	Eligible	LTS		X	
6-3	Site of the <i>Los Angeles Star</i> Fletcher Bowron Square, Los Angeles Mall, Triforium, Bella Union Hotel site	Not Eligible	Listed California Historical Landmark	LTS	X		
6-4	City Health Building, City Hall South	Eligible	Eligible	LTS		X	
6-5	Federal Building, North Los Angeles Field office	Eligible	Eligible	LTS		X	
6-6 6-7	The Police Facilities Building, Parker Center, Motor Transport Division	Eligible	Eligible	LTS		X	
6-8	City of Los Angeles Parking Lot 3, “Tinkertoy” Parking Structure	Not Eligible	Eligible	LTS	X		
7-1	Dorner & Hinz Saloon, Nelson Hotel, Red Wing Shoes, California Floral Company	Not Eligible	Eligible	LTS	X		

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-7 thru 7-9, 7-11, 7-14 thru 7-19	Little Tokyo Historic District	Listed National Historic Landmark	Listed	LTS		X	
7-7	Japanese Union Church of Los Angeles	Listed	Listed	LTS		X	
7-8	San Pedro Firm Building	Listed	Listed	LTS		X	
7-9	Mark Kuwata Real Estate	Eligible	Eligible	LTS		X	
7-11	1-3 story commercial building, Anzen Hardware	Listed	Listed	LTS		X	
7-14	1-3 story commercial building, Little Tokyo Hotel	Listed	Listed	LTS		X	
7-15	1-3 story commercial building, Ace Japanese Restaurant,	Listed	Listed	LTS		X	
7-16	A. Sperl Building	Listed	Listed	LTS		X	

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-17	3+ story commercial building, Daimora Hotel	Listed	Listed	LTS		X	
7-18	Far East Café Building	Listed	Listed	LTS		X	
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	LTS		X	
7-20	Aoyama Tree	Not Eligible	Listed	LTS	X		
7-26	Koyasan Buddhist Temple, Koyasan Church, Koyasan Temple	Eligible	Eligible	LTS		X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI Demolished under this alternative	X		
7-35	John A. Roebling's Sons Co., Robert Arranaga & Company, Incorporated	Eligible	Eligible	LTS		X	
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	LTS		X	

Table 5-6. Potential Fully Underground LRT Alternative – Little Tokyo Variation 1 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	LTS		X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	LTS	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	LTS		X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	LTS		X	
9-R6	J.R. Newberry Company Building	Eligible	Eligible	LTS		X	
9-R7	1 st Street Viaduct (Bridge #53C-1166)	Eligible	Eligible	LTS		X	

Key for CEQA Impacts

LTS = Less Than Significant impact, no mitigation required

SI = Significant Impact that can be mitigated to less than significant

SU = Significant and Unavoidable impact

5.6 Fully Underground LRT Alternative – Little Tokyo Variation 2

The Fully Underground LRT Alternative - Little Tokyo Variation 2 would provide four new stations and a direct connection from 7th Street/Metro Center Station to the existing Metro Gold Line tracks to the north and east of 1st and Alameda Streets.

5.6.1 Construction Impacts

The following sections describe potential effects that may occur to historic properties in the APE due to construction activities for the Fully Underground LRT Alternative – Little Tokyo Variation 2. Table 5-7 lists the construction effects/impacts for each NRHP property/CRHR resource.

5.6.1.1 Temporary Dirt/Unintended Damage

Potential effects and impacts from dirt and unintended damage to historic properties and historical resources from the construction of the Fully Underground LRT Alternative – Little Tokyo Variation 2 would be similar to those previously described for the Underground Emphasis LRT Alternative.

5.6.1.2 Traffic Congestion/Parking/Access

Potential effects and impacts from changes in access, parking, and traffic patterns to historic properties and historical resources from the construction of the Fully Underground LRT Alternative – Little Tokyo Variation 2 would be similar to those described for the Underground Emphasis LRT Alternative.

5.6.1.3 Visual

Potential visual effects and impacts to historic properties and historical resources from construction of the Fully Underground LRT Alternative – Little Tokyo Variation 2 would be similar to those described for the Underground Emphasis LRT Alternative.

5.6.1.4 Portals

As part of the Fully Underground LRT Alternative – Little Tokyo Variation 2 new portals would be constructed to connect the proposed tracks to the Metro Gold Line tracks heading north to Azusa and east towards I-605. One portal containing the northbound and southbound tracks would be located northeast of the Little Tokyo/Arts District Station and tracks. There are no historical resources or historic properties within the APE that would be impacted by this new portal.

Two additional portals, each containing one track, would rise to the east within the widened median of 1st Street to allow a connection to the Metro Gold Line tracks towards I-605. The portal containing the westbound track would be located between Alameda and Garey Streets. The portal containing the eastbound track would be located adjacent to the westbound track

between Hewitt and Vignes Streets. The NRHP eligible J.R. Newberry Company Building (APE Map #9R-6) is located at the east side of the intersection of 1st Avenue and Vignes Street.

Section 106 Effects Analysis for Historic Properties

There would be an effect, but no adverse effect, to the J.R. Newberry Company Building (APE Map #9R-6). No adverse effect would occur to this historic property because potential changes would not directly alter the setting in a manner that would diminish its integrity.

CEQA Impact Analysis for Historical Resources

Construction of the portals would not constitute a substantial adverse change that would impair the significance of the J.R. Newberry Company Building. The change in setting created by the portals would not diminish the integrity of the resource's significant historic features. This alternative, therefore, would have a less than significant impact upon historical resources.

5.6.1.5 Station Construction

Potential effects/impacts from construction of proposed stations would be similar to those described for Fully Underground LRT Alternative – Little Tokyo Variation 1.

5.6.1.6 Demolition, Partial Takes or Alteration of a Property

Potential impacts to historical resources from this alternative due to demolition or property acquisitions would be identical to those described for the Underground Emphasis LRT Alternative.

5.6.1.7 Noise and Vibration

Potential effects and impacts to historic properties and historical resources caused by noise and vibration would be the same as those discussed for the Underground Emphasis LRT Alternative and the Fully Underground Emphasis LRT Alternative - Little Tokyo Variation 1. Implementation of mitigation measures MM-BE-2 and MM-BE-3 would avoid adverse effects to historic properties and reduce potential impacts to historical resources to a less than significant level.

5.6.1.8 Differential Settlement

Potential effects and impacts to historic properties and historical resources caused by differential settlement would be the same as those discussed for the Underground Emphasis LRT Alternative and the Fully Underground Emphasis LRT Alternative - Little Tokyo Variation 1. Implementation of mitigation measures MM-BE-2, MM-BE-3, and when applicable MM-BE-4, would avoid adverse effects to historic properties and reduce potential impacts to historical resources to a less than significant level. Table 5-7 lists the potential effects and impacts for construction for the Fully Underground LRT Alternative – Little Tokyo Variation 2.

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-3	Fine Arts Building, Global Marine House	Eligible	Listed	LTS			X	
2-5	Engine Company No. 28	Listed	Listed	LTS			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-10	811 Wilshire building, Tishman 615 building, Wilflower building	Eligible	Listed	LTS			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	
3-2	Los Angeles Central Library	Listed	Listed	SI			X	

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	LTS		X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		
5-1 thru 5-13, 6-1 thru 6-7, 6-12	Los Angeles Civic Center Historic District	Eligible	Eligible	LTS			X	
5-1	Los Angeles Department of Water and Power Building, John Ferraro Office Building	Eligible	Eligible	LTS			X	
5-2	Ahmanson Theatre	Eligible	Eligible	LTS		X		

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-3	Mark Taper Forum	Eligible	Eligible	LTS		X		
5-4	Dorothy Chandler Pavilion	Eligible	Eligible	LTS		X		
5-5	Los Angeles County Hall of Administration, Kenneth Hahn Hall of Administration	Eligible	Eligible	LTS		X		
5-6	El Paseo de los Pobladores de Los Angeles	Eligible	Eligible	LTS		X		
5-7	Los Angeles County Courthouse, Stanley Mosk Los Angeles County Courthouse	Eligible	Eligible	LTS		X		
5-8	County of Los Angeles Central Heating and Refrigeration Plant	Eligible	Eligible	LTS		X		
5-9	Los Angeles County Hall of Records	Eligible	Eligible	LTS		X		
5-10	Court of Historic American Flags	Eligible	Eligible	LTS		X		

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-11	Los Angeles County Law Library, Mildred L. Lillie Building	Eligible	Eligible	LTS		X		
5-12	Hall of Justice, Los Angeles County Jail	Eligible	Eligible	LTS		X		
5-13	Clara Shortridge Foltz Criminal Justice Center	Eligible	Eligible	LTS		X		
6-1	U.S. Post Office and Court House Building, Federal Building	Listed	Listed	LTS			X	
6-2	Los Angeles City Hall	Eligible	Eligible	LTS			X	
6-3	Site of the <i>Los Angeles Star</i> Fletcher Bowron Square, Los Angeles Mall, Triforium, Bella Union Hotel site	Not Eligible	Listed California Historical Landmark	LTS		X		
6-4	City Health Building, City Hall South	Eligible	Eligible	LTS			X	

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
6-5	Federal Building, North Los Angeles Field office	Eligible	Eligible	LTS			X	
6-6 6-7	The Police Facilities Building, Parker Center, Motor Transport Division	Eligible	Eligible	LTS			X	
6-8	City of Los Angeles Parking Lot 3, “Tinkertoy” Parking Structure	Not Eligible	Eligible	LTS		X		
7-1	Dorner & Hinz Saloon, Nelson Hotel, Red Wing Shoes, California Floral Company	Not Eligible	Eligible	LTS		X		
7-7 thru 7-9, 7-11, 7-14 thru 7-19	Little Tokyo Historic District	Listed National Historic Landmark	Listed	LTS			X	
7-7	Japanese Union Church of Los Angeles	Listed	Listed	LTS			X	

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-8	San Pedro Firm Building	Listed	Listed	LTS			X	
7-9	Mark Kuwata Real Estate	Eligible	Eligible	LTS			X	
7-11	1-3 story commercial building, Anzen Hardware	Listed	Listed	LTS			X	
7-14	1-3 story commercial building, Little Tokyo Hotel	Listed	Listed	LTS			X	
7-15	1-3 story commercial building, Ace Japanese Restaurant,	Listed	Listed	LTS			X	
7-16	A. Sperl Building	Listed	Listed	LTS			X	
7-17	3+ story commercial building, Daimora Hotel	Listed	Listed	LTS			X	
7-18	Far East Café Building	Listed	Listed	LTS			X	
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	SI			X	

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-20	Aoyama Tree	Not Eligible	Listed	LTS		X		
7-26	Koyasan Buddhist Temple, Koyasan Church, Koyasan Temple	Eligible	Eligible	LTS			X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI Resource demolished during construction	X	X		
7-35	John A. Roebling's Sons Co., Robert Arranaga & Company, Incorporated	Eligible	Eligible	LTS			X	
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	SI			X	
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	SI			X	

Table 5-7. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Construction Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI		X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI	X (Sub surface Easement)		X	
9-R6	J.R. Newberry Company Building	Eligible	Eligible	LTS			X	
9-R7	1 st Street Viaduct (Bridge #53C-1166)	Eligible	Eligible	LTS			X	

Key for CEQA Impacts

LTS = Less Than Significant impact, no mitigation required

SI = Significant Impact that can be mitigated to less than significant

SU = Significant and Unavoidable impact

5.6.2 Operational Impacts

Potential operational impacts of the Fully Underground LRT Alternative – Little Tokyo Variation 2 would be largely the same on historic properties and historical resources as those described for the Underground Emphasis LRT Alternative, except that a proposed switch, located at 1st and Alameda for the Underground Emphasis LRT Alternative, would instead be located at the intersection of 1st and Vignes Streets. Operation of the Fully Underground LRT Alternative - Little Tokyo Variation 1 would result in a moderate noise impact at this location. This switch is located near the NRHP eligible J.R. Newberry Company Building (APE Map #9R-6) and the 1st Street Viaduct (APE Map #9R-7). Moderate noise effects/impacts do not exceed the FTA Noise Impact Criteria, therefore no adverse effects to historic properties and no significant impacts to historical resources are anticipated from project operations. Table 5-8 lists the potential effects and impacts for operation for the Fully Underground LRT Alternative - Little Tokyo Variation 2.

5.6.3 Cumulative and Indirect Impacts

There would be no expected indirect impacts from the Fully Underground LRT Alternative – Little Tokyo Variation 2.

Cumulative effects and impacts include short-term effects during construction such as noise, dirt, changes in setting from the use or storage of equipment, or lack of access due to congestion or revisions in traffic patterns. Cumulative effects may also result from long-term effects such as additional traffic generated by increased density created as new buildings are constructed. Taken collectively, the reasonable foreseeable projects do not appear to have additional effects upon historic properties or impacts upon historical resources that would be affected by the Fully Underground LRT Alternative – Little Tokyo Variation 2.

5.6.4 Potential Effects to Section 4(f) Resources

The Fully Underground LRT Alternative - Little Tokyo Variation 2 would require the acquisition of a subsurface easement situated on one NRHP-eligible property; Cathedral of Saint Vibiana Rectory (APE Map #8-13). No adverse effects would occur to the Rectory building as a result of the easement. This acquisition would result in a Section 4(f) *de minimus* finding.

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	LTS		X	
2-3	Fine Arts Building, Global Marine House	Eligible	Listed	LTS		X	
2-5	Engine Company No. 28	Listed	Listed	LTS		X	
2-7	Roosevelt Building	Listed	Listed	LTS		X	
2-10	811 Wilshire building, Tishman 615 building, Wilflower building	Eligible	Listed	LTS		X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	LTS		X	
2-13	Superior Oil Company Building	Listed	Listed	LTS		X	
3-1	The California Club	Eligible	Listed	LTS		X	
3-2	Los Angeles Central Library	Listed	Listed	LTS		X	
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	LTS	X		

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	LTS	X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	LTS	X		
5-1 thru 5-13, 6-1 thru 6-7, 6-12	Los Angeles Civic Center Historic District	Eligible	Eligible	LTS		X	
5-1	Los Angeles Department of Water and Power Building, John Ferraro Office Building	Eligible	Eligible	LTS		X	
5-2	Ahmanson Theatre	Eligible	Eligible	LTS		X	
5-3	Mark Taper Forum	Eligible	Eligible	LTS		X	
5-4	Dorothy Chandler Pavilion	Eligible	Eligible	LTS		X	

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
5-5	Los Angeles County Hall of Administration, Kenneth Hahn Hall of Administration	Eligible	Eligible	LTS		X	
5-6	El Paseo de los Pobladores de Los Angeles	Eligible	Eligible	LTS		X	
5-7	Los Angeles County Courthouse, Stanley Mosk Los Angeles County Courthouse	Eligible	Eligible	LTS		X	
5-8	County of Los Angeles Central Heating and Refrigeration Plant	Eligible	Eligible	LTS		X	
5-9	Los Angeles County Hall of Records	Eligible	Eligible	LTS		X	
5-10	Court of Historic American Flags	Eligible	Eligible	LTS		X	
5-11	Los Angeles County Law Library, Mildred L. Lillie Building	Eligible	Eligible	LTS		X	
5-12	Hall of Justice, Los Angeles County Jail	Eligible	Eligible	LTS		X	
5-13	Clara Shortridge Foltz Criminal Justice Center	Eligible	Eligible	LTS		X	

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
6-1	U.S. Post Office and Court House Building, Federal Building	Listed	Listed	LTS		X	
6-2	Los Angeles City Hall	Eligible	Eligible	LTS		X	
6-3	Site of the <i>Los Angeles Star</i> Fletcher Bowron Square, Los Angeles Mall, Triforium, Bella Union Hotel site	Not Eligible	Listed California Historical Landmark	LTS	X		
6-4	City Health Building, City Hall South	Eligible	Eligible	LTS		X	
6-5	Federal Building, North Los Angeles Field office	Eligible	Eligible	LTS		X	
6-6 6-7	The Police Facilities Building, Parker Center, Motor Transport Division	Eligible	Eligible	LTS		X	
6-8	City of Los Angeles Parking Lot 3, “Tinkertoy” Parking Structure	Not Eligible	Eligible	LTS	X		
7-1	Dorner & Hinz Saloon, Nelson Hotel, Red Wing Shoes, California Floral Company	Not Eligible	Eligible	LTS	X		

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-7 thru 7-9, 7-11, 7-14 thru 7-19	Little Tokyo Historic District	Listed National Historic Landmark	Listed	LTS		X	
7-7	Japanese Union Church of Los Angeles	Listed	Listed	LTS		X	
7-8	San Pedro Firm Building	Listed	Listed	LTS		X	
7-9	Mark Kuwata Real Estate	Eligible	Eligible	LTS		X	
7-11	1-3 story commercial building, Anzen Hardware	Listed	Listed	LTS		X	
7-14	1-3 story commercial building, Little Tokyo Hotel	Listed	Listed	LTS		X	
7-15	1-3 story commercial building, Ace Japanese Restaurant,	Listed	Listed	LTS		X	
7-16	A. Sperl Building	Listed	Listed	LTS		X	

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-17	3+ story commercial building, Daimora Hotel	Listed	Listed	LTS		X	
7-18	Far East Café Building	Listed	Listed	LTS		X	
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	LTS		X	
7-20	Aoyama Tree	Not Eligible	Listed	LTS	X		
7-26	Koyasan Buddhist Temple, Koyasan Church, Koyasan Temple	Eligible	Eligible	LTS		X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI Resource demolished during construction	X		
7-35	John A. Roebling’s Sons Co., Robert Arranaga & Company, Incorporated	Eligible	Eligible	LTS		X	
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	LTS		X	

Table 5-8. Potential Fully Underground LRT Alternative – Little Tokyo Variation 2 Operation Effects

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	LTS		X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	LTS	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	LTS		X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	LTS		X	
9-R6	J.R. Newberry Company Building	Eligible	Eligible	LTS		X	
9-R7	1 st Street Viaduct (Bridge #53C-1166)	Eligible	Eligible	LTS		X	

Key for CEQA Impacts

LTS = Less Than Significant impact, no mitigation required

SI = Significant Impact that can be mitigated to less than significant

SU = Significant and Unavoidable impact

6.0 POTENTIAL MITIGATION MEASURES

Consistent with 36 CFR 800.6(a), federal agencies are required to develop and evaluate alternatives that could avoid, minimize, or mitigate adverse effects on historic properties. Since the proposed Regional Connector project has the potential for adverse effects, this report outlines measures to mitigate the potential effects. The mitigation measures presented in this section are also intended to assist Metro in reducing the project’s potential impacts on historical resources to a less than significant level.

The only National Register eligible historic property that would be adversely affected by the project would be the 2nd Street Tunnel. Proposed mitigation measures for the adverse effects to this property are listed in Table 6-2.

There are 14 historical resources where construction activities could significantly impact the resource. These resources are listed in Table 6-1. The resources and measures proposed as mitigation to reduce potential impacts to a less than significant level are listed in Table 6-3.

Table 6-1. Historical Resources Potentially Affected by Construction

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	Impact
2-7	Roosevelt Building	Listed	Listed	Vibration
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	Vibration
2-13	Superior Oil Company Building	Listed	Listed	Vibration Settlement
3-1	The California Club	Eligible	Listed	Vibration Settlement
3-2	Los Angeles Central Library	Listed	Listed	Vibration
3-4	Belmont Tunnel	Not Eligible	Eligible	Partial Removal
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	Vibration

Table 6-1. Historical Resources Potentially Affected by Construction

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	Impact
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	Vibration Settlement
7-19	former Nishi Hongwanji Buddhist Temple	Listed (NHL)	Listed	Settlement
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	Settlement
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	Vibration
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	Vibration Settlement
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	Vibration Settlement
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	Vibration

Table 6-2. Mitigation Measures for Resources Adversely Affected Under Section 106 of the NHPA

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	Adverse Effect	Proposed Mitigation	Project Alternative
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	Partial Demolition/ Alteration	MM_BE-1 MM-BE-5	AGELRT ¹

¹ AGELRT = At-Grade Emphasis LRT Alternative

Table 6-3. Mitigation Measures to Reduce Impacts on Historical Resources to a Less-Than-Significant Level

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	Impact	Proposed Mitigation	Project Alternative
2-7	Roosevelt Building	Listed	Listed	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)
2-13	Superior Oil Company Building	Listed	Listed	Vibration Settlement	MM-BE-2, MM-BE-3, MM-BE-5 MM-BE-4	AGELRT UELRT FULRT (Var. 1&2)
3-1	The California Club	Eligible	Listed	Vibration Settlement	MM-BE-2, MM-BE-3, MM-BE-5 MM-BE-4	AGELRT UELRT FULRT (Var. 1&2)
3-2	Los Angeles Central Library	Listed	Listed	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)
3-4	Belmont Tunnel	Not Eligible	Eligible	Partial Removal	MM-BE-1	AGELRT UELRT FULRT (Var. 1&2)
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)

Table 6-3. Mitigation Measures to Reduce Impacts on Historical Resources to a Less-Than-Significant Level

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	Impact	Proposed Mitigation	Project Alternative
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	Vibration Settlement	MM-BE-2, MM-BE-3, MM-BE-5 MM-BE-4	AGELRT UELRT FULRT (Var. 1&2)
7-19	Former Nishi Hongwanji Buddhist Temple	Listed (NHL)	Listed	Settlement	MM-BE-4	UELRT FULRT (Var. 1&2)
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	Settlement	MM-BE-4 MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)
8-3	The <i>Mirror</i> Building (Site of Butterfield Stage Station), <i>Los Angeles Times-Mirror</i> Annex, <i>Times</i> Building South, <i>Mirror-News</i> Building	Eligible	Eligible	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	Vibration Settlement	MM-BE-2, MM-BE-3, MM-BE-4	AGELRT UELRT FULRT (Var. 1&2)
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	Vibration Settlement	MM-BE-2, MM-BE-3, MM-BE-5 MM-BE-4	AGELRT UELRT FULRT (Var. 1&2)
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	Vibration	MM-BE-2, MM-BE-3, MM-BE-5	AGELRT UELRT FULRT (Var. 1&2)

AGELRT = At-Grade Emphasis LRT Alternative

UELRT = Underground Emphasis LRT Alternative

FULRT (Var. 1&2) = Fully Underground LRT Alternatives – Little Tokyo Variations 1 and 2

6.1 Proposed Construction Impact Mitigation Measures

MM-BE-1 Historic Properties/Historical Resources Documentation

Documentation of historic properties and historical resources adversely affected by the project would consist of the development of individual Historic American Building Survey/Historic American Engineering Record (HABS/HAER) submissions. The HABS/HAER documents would be prepared so that the original archival-quality documentation could be donated for inclusion in the Library of Congress if the National Park Service accepts these materials. Archival copies of the documentation would also be offered for donation to local repositories, including the Los Angeles Central Library and the Los Angeles Conservancy. The appropriate level of recordation would be established in consultation with the California SHPO and formalized as a part of MM-BE-5.

MM-BE-2 Pre-construction baseline survey and geo-technical investigations

A survey of historic properties and/or historical resources within 21 feet of vibration producing construction activity would be conducted to assess the building category and the potential for GBV to cause damage. The survey would also be used to establish baseline, pre-construction conditions for historic properties and historical resources.

During preliminary and final design of the project, subsurface (geotechnical) investigations would be undertaken under this measure to evaluate soil, groundwater, seismic, and environmental conditions along the alignment. This analysis would assist in the development of appropriate support mechanisms for cut and fill construction areas. The subsurface investigation would also identify areas that could experience differential settlement as a result of using a tunnel boring machine in close proximity to historic properties and/or historical resources. An architectural historian or historical architect who meets the Secretary of the Interior's Professional Qualification Standards would provide input and review of final design documents prior to implementation of measures (36 CFR Part 61).

MM-BE-3 Building Protection Measures, Geotechnical and Vibration Monitoring, and Post Construction Survey

For those historic properties and historical resources that have the potential to be affected or impacted by ground borne vibrations and/or differential settlement, Metro would use building protection measures such as underpinning, soil grouting, or other forms of ground improvement, as well as lower vibration equipment and/or construction techniques. These techniques, combined with a geotechnical and vibration monitoring program, would help protect identified historic properties and historical resources. The historic property and historical resource protection measures as well as the geotechnical and vibration monitoring program would be reviewed by an architectural historian or historical architect who meets the Secretary of the Interior's Professional Qualification Standards (36 CFR Part 61) to ensure that the measures would adequately protect the properties/resources. A post construction survey

would also be undertaken to ensure that no adverse effects or significant impacts had occurred to historic properties and historical resources.

MM-BE-4 TBM specifications/requirements near historic properties and historical resources

For those historic properties and historical resources that have the potential to be affected or impacted by differential settlement caused by TBM construction, a contractor would be required to develop and use an earth pressure balance or slurry shield tunnel boring machine. The method of machine operation would be based on the anticipated ground conditions near historic properties and historical resources. These construction methods and machinery types would reduce the potential for differential settlement near historic properties and historical resources.

MM-BE-5 Memorandum of Agreement

For those historic properties and historical resources that would be anticipated to experience adverse effects, a memorandum of agreement would be developed to resolve those adverse effects consistent with 36 CFR 800. This agreement, developed by FTA and Metro in consultation with the CA SHPO and other consulting parties would resolve and/or avoid, minimize, or mitigate potential effects to historic properties and/or historical resources. The agreement would include stipulations that outline the specific requirements for consultation and decision making between the lead federal agency and consulting parties, specify the level of HABS/HAER recordation, outline specific requirements for pre- and post- construction surveys, geotechnical investigations, building protection measures, and TBM specifications.

6.2 Operation Impacts Mitigation Measures

There would be no impacts on historic properties and historic resources under any of the proposed alternatives, and therefore no mitigation would be required.

7.0 CONCLUSIONS

7.1 No Build Alternative

7.1.1 NEPA Findings

This alternative would not include capital improvements, and thus the No Build Alternative would be expected to result in no adverse construction or implementation-related effects on historic properties in the project APE.

7.1.2 CEQA Determination

The No Build Alternative does not include the introduction of any new improvements that would be expected to result in construction or operational impacts to historical resources in the project APE. The No Build Alternative would not be expected to result in cumulative impacts to historical resources, other than potential impacts on resources through continued high and escalated levels of vehicular traffic, unabated by additional mass transit options. The No Build Alternative would not contribute to a cumulative impact on these resources.

7.1.3 Section 4(f) Effects

The No Build Alternative would not result in any Section 4(f) impacts.

7.2 Transportation System Management (TSM) Alternative

7.2.1 NEPA Findings

Project construction and operation would not result in any direct or indirect adverse effects to historic properties.

7.2.2 CEQA Determination

Construction and operation of the TSM Alternative would not result in any direct or indirect significant impacts on historical resources.

7.2.3 Section 4(f) Effects

The TSM Alternative would not result in the use of any Section 4(f) resources.

7.3 At-Grade Emphasis LRT Alternative

7.3.1 NEPA Findings

Construction of the At-Grade Emphasis LRT Alternative would be expected to result in one direct adverse effect. Alteration of the 2nd Street Tunnel (APE Map #4-3) during construction to accommodate the At-Grade Emphasis LRT Alternative would require the implementation of MM-BE-1 and MM-BE-5. Consistent with 36 CFR 800, consultation with the California SHPO

and other consulting parties would need to be completed before project construction could begin.

Table 7-1. At-Grade Emphasis LRT Alternative Expected Effects to Historic Properties

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	SI				X

SI = Significant impact that can be mitigated to a less than significant level

7.3.2 CEQA Determination

Construction of the At-Grade Emphasis LRT Alternative would potentially result in one direct significant impact and 14 indirect significant impacts to historical resources. All of these potential impacts could result in a substantial adverse change to a historical resource. Implementation of mitigation measures MM-BE-1 through MM-BE-5 would reduce these potential impacts to a less than significant level. Project operation is not expected to cause direct or indirect impacts. Refer to Table 7-2 for additional information.

7.3.3 Section 4(f) Effects

The At-Grade Emphasis LRT Alternative would require the acquisition and/or use of property associated with five NRHP-eligible properties: Los Angeles Civic Center Historic District, Los Angeles Police Motor Transport Building (APE Map #6-7), City of Los Angeles Parker Center Police Department Building (APE Map #6-6), City Hall South (APE Map #6-4) as well as the 2nd Street Tunnel (APE Map #4-3). Four of these acquisitions would result in a Section 4(f) *de minimus* finding. The 2nd Street Tunnel alterations could only occur if 1) there is no prudent and feasible alternative to using the resource; and 2) the project includes all possible planning to minimize harm to the tunnel from the use. Additional analysis of project alternatives and consultation with the California SHPO would be required.

Table 7-2. At-Grade Emphasis LRT Alternative Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	
3-2	Los Angeles Central Library	Listed	Listed	SI			X	
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-3	2 nd Street Tunnel, Bridge (tunnel) #53C 1318	Eligible	Eligible	SI				X
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		

Table 7-2. At-Grade Emphasis LRT Alternative Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
7-19	Former Nishi Hongwanji Buddhist Temple	Listed (NHL)	Listed	SI			X	
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	SI			X	
8-3	<i>Mirror</i> Building	Eligible	Eligible	SI			X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI	X	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI			X	

SI = Significant impact that can be mitigated to a less than significant level

7.4 Underground Emphasis LRT Alternative

7.4.1 NEPA Findings

Construction and operation of the Underground Emphasis LRT Alternative would be expected to result in no direct or indirect adverse effects to historic properties.

7.4.2 CEQA Determination

Construction of the Underground Emphasis LRT Alternative would result in one direct significant impact and 14 indirect significant impacts to historical resources. Implementation of mitigation measures MM-BE-1 through MM-BE-5 would reduce these potential impacts to a less than significant level. Project operation would not be expected to cause direct or indirect impacts. Refer to Table 7-3 for additional information.

Table 7-3. Underground Emphasis LRT Alternative Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	

Table 7-3. Underground Emphasis LRT Alternative Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
3-2	Los Angeles Central Library	Listed	Listed	SI			X	
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	SI			X	
7-30	S. Kamada Restaurant, Atomic Café, Senor Fish, and Coast Imports	Not Eligible	Eligible	SI	X Property would be acquired and building demolished	X		

Table 7-3. Underground Emphasis LRT Alternative Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-2	Los Angeles Times Building	Eligible	Listed	SI			X	
8-3	Mirror Building	Eligible	Eligible	SI			X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI	X (Subsurface Easement)	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI	X (Subsurface easement)		X	

SI = Significant impact that can be mitigated to a less than significant level

7.4.3 Section 4(f) Effects

The Underground Emphasis LRT Alternative would require the acquisition of a subsurface easement situated on one NRHP-eligible property; Cathedral of Saint Vibiana Rectory (APE

Map #8-13). No adverse effects would occur to the Rectory building as a result of the easement. This acquisition would result in a Section 4(f) *de minimus* finding.

7.5 Fully Underground LRT Alternative - Little Tokyo Variation 1

7.5.1 NEPA Findings

Construction and operation of the Fully Underground LRT Alternative - Little Tokyo Variation 1 would be expected to potentially result in no direct or indirect adverse effects to historic properties.

7.5.2 CEQA Determination

Construction of the Fully Underground LRT Alternative - Little Tokyo Variation 1 would potentially result in one direct significant impact and 14 indirect significant impacts to historical resources. Implementation of mitigation measures MM-BE-1 through MM-BE-5 would reduce these potential impacts to a less than significant level. Project operation is not expected to cause direct or indirect impacts. Refer to Table 7-4 for additional information.

Table 7-4. Fully Underground LRT Alternative - Little Tokyo Variation 1 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Effect	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	

Table 7-4. Fully Underground LRT Alternative - Little Tokyo Variation 1 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Effect	Effect-Not Adverse	Adverse Effect
3-2	Los Angeles Central Library	Listed	Listed	SI			X	
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	SI			X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI	X	X		
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	SI			X	
8-3	Mirror Building	Eligible	Eligible	SI			X	

Table 7-4. Fully Underground LRT Alternative - Little Tokyo Variation 1 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Effect	Effect-Not Adverse	Adverse Effect
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI	X (Subsurface Easement)	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI	X (Subsurface easement)		X	

SI = Significant impact that can be mitigated to a less than significant level

7.5.3 Section 4(f) Effects

The Fully Underground LRT Alternative - Little Tokyo Variation 1 would require the acquisition of a subsurface easement situated on one NRHP-eligible property; Cathedral of Saint Vibiana Rectory (APE Map #8-13). No adverse effects would occur to the Rectory building as a result of the easement. This acquisition would result in a Section 4(f) *de minimus* finding.

7.6 Fully Underground LRT Alternative - Little Tokyo Variation 2

7.6.1 NEPA Findings

Construction and operation of the Fully Underground LRT Alternative - Little Tokyo Variation 2 would be expected to result in no potential direct or indirect adverse effects to historic properties.

7.6.2 CEQA Determination

Construction of the Fully Underground LRT Alternative - Little Tokyo Variation 2 would potentially result in one direct significant impact and 14 indirect significant impacts to

historical resources. Implementation of mitigation measures MM-BE-1 through MM-BE-5, would reduce these potential impacts to a less than significant level. Project operation would not be expected to cause direct or indirect impacts. Refer to Table 7-5 for additional information.

Table 7-5. Fully Underground LRT Alternative - Little Tokyo Variation 2 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
2-1	Barker Brothers	Eligible	Listed	SI			X	
2-7	Roosevelt Building	Listed	Listed	SI			X	
2-12	General Petroleum, Mobil Oil Building	Listed	Listed	SI			X	
2-13	Superior Oil Company Building	Listed	Listed	SI			X	
3-1	The California Club	Eligible	Listed	SI			X	
3-2	Los Angeles Central Library	Listed	Listed	SI			X	

Table 7-5. Fully Underground LRT Alternative - Little Tokyo Variation 2 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
3-4	Belmont Tunnel, Hollywood-Glendale-Burbank-San Fernando Valley Tunnel	Not Eligible	Eligible	SI		X		
4-4	Walt Disney Concert Hall	Not Eligible	Eligible	SI		X		
7-19	Former Nishi Hongwanji Buddhist Temple	Listed	Listed	SI			X	
7-30	S. Kamada Restaurant, Atomic Café, Señor Fish, Coast Imports	Not Eligible	Eligible	SI	X	X		
8-2	<i>Los Angeles Times</i> Building	Eligible	Listed	SI			X	

Table 7-5. Fully Underground LRT Alternative - Little Tokyo Variation 2 Expected Impacts to Historical Resources

APE Map No.	Name	NRHP Eligibility	CRHR Eligibility	CEQA Evaluation	Right of Way Required	No Historic Properties Affected	Effect-Not Adverse	Adverse Effect
8-3	Mirror Building	Eligible	Eligible	SI			X	
8-11	Higgins Building, General Petroleum Building, (Los Angeles) County Engineers Building	Not Eligible	Eligible	SI	X (Subsurface Easement)	X		
8-12	Cathedral of Saint Vibiana	Eligible	Eligible	SI			X	
8-13	Cathedral of Saint Vibiana, Rectory	Eligible	Eligible	SI	X (Subsurface easement)		X	

SI = Significant impact that can be mitigated to a less than significant level

7.6.3 Section 4(f) Effects

The Fully Underground LRT Alternative - Little Tokyo Variation 2 would require the acquisition of a subsurface easement situated on one NRHP-eligible property; Cathedral of Saint Vibiana Rectory (APE Map #8-13). No adverse effects would occur to the Rectory building as a result of the easement. This acquisition would result in a Section 4(f) *de minimus* finding.

8.0 REFERENCES CITED

- Allaby, Michael. 1999. *A Dictionary of Earth Sciences*. Oxford University Press, Oxford, England.
- Bluestone, Daniel M. 1988. “Detroit’s City Beautiful and Problem of Commerce.” *Journal of the Society of Architectural Historians*, Vol. XLVII, No. 3, September: 245–262.
- Caughey, John, and LaRee Caughey. 1977. *Los Angeles Biography of a City*. University of California Press, Berkeley and Los Angeles.
- CERES. 2009. Title 14, Article 9. Contents of Environmental Impact Reports: Sections 15120 to 15132. Available at: <http://ceres.ca.gov/ceqa/guidelines/art9.html>. Accessed on May 22, 2009.
- Croce, Paolo, et al. 2004. “Jet-Grouting Performance in Tunneling,” ASCE Conference Proceedings. Available at: [http://dx.doi.org/10.1061/40713\(2004\)78](http://dx.doi.org/10.1061/40713(2004)78)
- Dumke, Glenn S. 1944. *The Boom of the Eighties in Southern California*. Huntington Library Publications, San Marino, California.
- Fogelson, Robert M. 1993. *The Fragmented Metropolis: Los Angeles, 1850-1930*. University of California Press, Berkeley.
- Hanson, Carl E., David Towers, and Lance Meister. 2006. “Transit Noise and Vibration Impact Assessment.” U.S. DOT FTA, Washington, D.C.
- Hatheway, Roger. 1978. Los Angeles Downtown People Mover Program, Historic Resources Inventory Form–Barker Brothers Building, 19-172123. On file at South Central Coastal Information Center, California State University, Fullerton.
- Hayden, Dolores, 1996. *The Power of Place*. MIT Press, Cambridge, MA. p. 211–225.
- Hebert, Ray. 1965. “Little Tokyo Faces Crisis in Its Rebirth.” *Los Angeles Times*. 19 July 1965.
- Hill, Laurence L. 1929. *La Reina: Los Angeles in Three Centuries*. Security Trust & Savings Bank, Los Angeles, CA. p. 44.
- IBI Group. 2009. Draft, Regional Connector Station Planning Report. Portland, Oregon.
- Kawaratani, Yukio. 2008. “Reluctant Samurai: Memoirs of an Urban Planner from Tule Lake to Bunker Hill.” self-published.

Lantis, David W. Rodney Steiner, and Arthur E. Karien. 1973. *California: A Land of Contrast*. Kendall/Hunt Publishing Company, Dubuque, IA.

Longstreth, Richard. 1998. *City Center to Regional Mall, Architecture, the Automobile and Retailing in Los Angeles, 1920-1950*. MIT Press, Cambridge, MA. p. 11.

Los Angeles Police Department. no date. "History of the Parker Center." Available at: http://www.lapdonline.org/history_of_the_lapd/content_basic_view/1123. Accessed on June 1, 2009.

Los Angeles Times. 1924. "Redskins and Whites Gather for Great Event." July 24, 1924: A1.

Los Angeles Times. 1967. "New 'Main Street' Changing LA." February 19, 1967: J1.

Mikesell, Stephen D. 1986. "The Los Angeles River Bridges: A Study in the Bridge As a Civic Monument." Historical Society of Southern California. Number 68, Winter 1986.

Newmark, Maurice H., and Marco R. Newmark, eds. 1970. *Sixty Years in Southern California, 1853–1913, Containing the Reminiscences of Harris Newmark*, 4th edition. Originally published 1916. Zeitlin & Ver Brugge, Los Angeles, CA., p. 97.

O'Flaherty, Joseph S. 1978. *Those Powerful Years: The South Coast and Los Angeles, 1887–1917*. Exposition Press, Hicksville, NY. p. 33.

PCR Services Corporation. 2006. *Grand Avenue Project Historic Resources Technical Report*. Available at: http://ftp.cajaeir.com/eirs/2006_Projects/Grand_Ave/DEIR%20Sections/Appendices/Appendix%20C%20Historic%20Resources%20Tech%20Report.pdf. Accessed June 5, 2009.

Poole, Jean Bruce. 2002. *El Pueblo: The Historic Heart of Los Angeles*. Getty Publications, Los Angeles, CA. p. 13–36.

Ríos-Bustamante, Antonio, and Pedro Castillo. 1986. *An Illustrated History of Mexican Los Angeles, 1781–1985*. Monograph No. 12. Los Angeles, CA: University of California, Los Angeles, Chicano Studies Research Center Publications. p. 30.

Roseman, Curtis, Ruth Wallach, Dace Taube, Linda McCann, and Geoffrey DeVerteuil. 2004. *The Historic Core of Los Angeles*. Arcadia Publishing, San Francisco, CA.

Starr, Kevin. 1985. *Inventing the Dream: California through the Progressive Era*. Oxford University Press, United Kingdom. pp. 40-41.

Starr, Kevin. 1990. *Material Dreams: Southern California through the 1920s*. Oxford University Press, Oxford, United Kingdom. p. 69–109.

Starr, Kevin. 1997. *The Dream Endures: California Enters the 1930s*. Oxford University Press, Oxford, United Kingdom. p. 163, 170.

Starr, Kevin. 2002. *Embattled Dreams: California in War and Peace*. Oxford University Press, Oxford, United Kingdom. p. viii.

Svinkin, Mark. 2004. “Minimizing Construction Vibration Effects.” *Practice Periodical on Structural Design and Construction* 9: 2, May 1, 2004.

Waugh, Isami Arifuku, Alex Yamato, and Raymond Y. Okamura. 1988. “Japanese Americans in California.” In *Five Views: An Ethnic Historic Site Survey for California*. California Department of Parks and Recreation: Office of Historic Preservation.

Zimmerman, Tom. 2008. *Paradise Promoted: The Booster Campaign That Created Los Angeles, 1870-1930*. Angel City Press.

APPENDIX A

PROJECT AREA OF POTENTIAL EFFECTS

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Barker Brothers 818 West 7 th Street	5144-010-022	2-1	1925	2S2, 5S1
Home Savings of America Tower, Figueroa Tower 654 South Figueroa Street	5144-008-013	2-2	1987	6Z, 7R
Fine Arts Building, Global Marine House 811 West 7 th Street	5144-008-008	2-3	1925 ¹	2S2, 5S1
Bank of America, Coffee Bean & Tea Leaf, Quizno's 801 West 7 th Street	5144-008-009	2-4	1950/1990	6Z
Engine Co No 28 644 South Figueroa Street	5144-008-019	2-5	1912	1S, 5S1
Metropolitan Federal Savings & Loan Building, G & G building 818 Wilshire Boulevard	5144-008-011	2-6	1948	6Z
Roosevelt Building 727 West 7 th Street	5144-006-112	2-7	1925 ¹	1S, 5S1
Honeywell Headquarters, Peck- Norman Building 700 Wilshire Boulevard	5144-006-020	2-8	1966	6Z
Glore Forgan, William Staats, Inc. Investments Building, Japan California Bank, FedEx-Kinko's 835 Wilshire Boulevard	5144-007-025	2-9	1968	6Z
Tishman 615 building, WilFlower building 811 Wilshire Boulevard	5144-007-023	2-10	1960	6Z
Tishman 615 Parking Garage, 811 Wilshire Parking 616 South Figueroa Street	5144-007-027	2-11	1960 ²	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
General Petroleum, Mobil Oil Building 612 South Flower Street	5144-005-124	2-12	1949	1S, 5S1
Superior Oil Company Building 550 South Flower Street	5151-024-004	2-13	1956	1S, 5S1
800 West 6 th Street	5144-007-400	2	1973	not evaluated
888 West 6 th Street	5144-007-401	2	1973	not evaluated
no address	5144-006-021	2	no date	not evaluated
655 South Hope Street	5144-006-901, 5144-006-031– 5144-006-111	2	1985	not evaluated
707 West Wilshire Boulevard	5144-005-400	2	1973	not evaluated
770 Wilshire Boulevard	5144-006-900	2	1972	not evaluated
800 Wilshire Boulevard	5144-008-010	2	1971	not evaluated
888 Wilshire Boulevard	5144-008-017	2	1979	not evaluated
750 West 7 th Street	5144-010-401– 5144-010-410	2	1973	not evaluated
The California Club 538 South Flower Street	5151-024-002	3-1	1930 ¹	2S
Los Angeles Central Library 630 West 5 th Street	5151-025-905, 5151-025-002	3-2	1926 ¹	1S, 5S1
5 th Street Retaining Wall 5 th Street, between Grand Avenue and Flower Street (north side)	n/a	nearby 3-3	1930	6Z no longer extant

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Belmont Tunnel, Hollywood- Glendale-Burbank-San Fernando Valley Tunnel Hill Street, between 4 th and 5 th Street to Glendale and Beverly Boulevards	n/a	3-4	1925	3CS
404 South Figueroa Street	5151020-007	3R	1976	not evaluated
former ARCO Towers 515-555 South Flower Street	5151-023-400	3R	1971/1975	not evaluated
524 South Flower Street	5151-025-002	3R	1989/1993	not evaluated
Citigroup Center 444 South Flower Street	5151-018-017, 5151-018-018	3R	1981	not evaluated
401 South Hope Street	5151-018-019, 5151-018-020	3R	1986	not evaluated
3 rd Street Tunnel (Bridge #53C1339) 3 rd Street, between Figueroa and Hill Streets	n/a	4-1	1907	6Z
Bunker Hill Central Plant 703 West 3 rd Street	5151-014-032, 5151-014-033	4-2	1966	6Z
2 nd Street Tunnel (Bridge #53C1318) 2 nd Street, between Figueroa and Hill Streets	n/a	4-3	1924	3S
Walt Disney Concert Hall 11 South Grand Avenue	5151-004-907	4-4	2003 ³	3CS
350 South Figueroa Street	5151-011-020– 5151-011-035	3R, 4	1974	not evaluated
333 South Hope Street	5151-014-031	3R, 4	1974	not evaluated
121 South Hope Street	5151-002-029	4	1981	not evaluated
121 South Hope Street	5151-002-048	4	1980	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
222-234 South Figueroa Street	5151-016-013	4	1969 ²	not evaluated
800 West 1 st Street	5151-027-005	4	1969 ²	not evaluated
no address	5151-027-256	4	no date	not evaluated
no address	5151-004-911– 5151-004-913	4	no date	not evaluated
200 South Grand Avenue	5149-010-266	4, 8	2008	not evaluated
200 South Grand Avenue	5149-010-948	4, 8	1998 ³	not evaluated
Los Angeles Civic Center Historic District	various	5-1 through 5-13, 6-1 through 6-7, 6-12	--	3D, 3CD
Department of Water and Power Building, John Ferraro Office Building 111 North Hope Street	5161-003-910	5-1	1965 ²	3B, 3CB Los Angeles Civic Center Historic District
Los Angeles Music Center for the Performing Arts Ahmanson Theatre 135 North Grand Avenue	5161-004-907	5-2	1967 ³	3B, 3CB Los Angeles Civic Center Historic District
Los Angeles Music Center for the Performing Arts Mark Taper Forum 135 North Grand Avenue	5161-004-907	5-3	1967 ³	3B, 3CB Los Angeles Civic Center Historic District
Los Angeles Music Center for the Performing Arts Dorothy Chandler Pavilion 135 North Grand Avenue	5161-004-907	5-4	1964 ³	3B, 3CB Los Angeles Civic Center Historic District

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Los Angeles County Hall of Administration, Kenneth Hahn Hall of Administration 500 West Temple Street	5161-004-908	5-5	1961	3B, 3CB Los Angeles Civic Center Historic District
El Paseo de los Pobladores de los Angeles 224 North Grand Avenue	5161-004-908	5-6	1966	3B, 3CB Los Angeles Civic Center Historic District
Los Angeles County Courthouse, Stanley Mosk Los Angeles County Courthouse 111 North Hill Street	5161-004-906	5-7	1958 ³	3B, 3CB Los Angeles Civic Center Historic District
County of Los Angeles Central Heating and Refrigeration Plant 301 North Broadway	5161-005-904	5-8	1958	3B, 3CB Los Angeles Civic Center Historic District
Los Angeles County Hall of Records 320 West Temple Street	5161-005-910	5-9	1962	3B, 3CB Los Angeles Civic Center Historic District
Court of Historic American Flags 224 North Hill Street, 100 block of North Hill Street	5161-005-916	5-10	1971	3B, 3CB, 5S2 Los Angeles Civic Center Historic District
Los Angeles County Law Library, Mildred L. Lillie Building 301 West 1 st Street	5161-005-912	5-11	1953 ³	3B, 3CB Los Angeles Civic Center Historic District

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Hall of Justice, Los Angeles County Jail 211 West Temple Street	5161-005-903	5-12	1925 ¹	2S4, 3B, 3CB Los Angeles Civic Center Historic District
Clara Shortridge Foltz Criminal Justice Center 210 West Temple Street	5161-005-915	5-13	1972	3D, 3CD Los Angeles Civic Center Historic District
no address	5161-004-904	5	no date	not evaluated
500 West Temple Street	5161-004-905	5	no date	not evaluated
no address	5161-005-905	5	no date	not evaluated
no address	5161-005-912	5	1970	not evaluated
no address	5161-005-923	5	no date	not evaluated
no address	5161-005-924	5	no date	not evaluated
no address	5161-005-921, 5161-005-922	5	no date	not evaluated
U.S. Post Office and Courthouse Building, Federal Building 312 North Spring Street	5161-005-902	6-1	1940 ¹	1S, 3B, 3CB Los Angeles Civic Center Historic District
Los Angeles City Hall 200 North Spring Street	5161-005-906	6-2	1928 ¹	2S2, 3B, 3CB Los Angeles Civic Center Historic District
City Hall East 200 North Main Street	5161-014-901	6-3	1973 ²	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
City Health Building, City Hall South 111 East 1 st Street	5161-014-902	6-4	1954 ²	3B, 3CB Los Angeles Civic Center Historic District
Federal Building, North Los Angeles Field Office 300 North Los Angeles Street	5161-011-906, 5161-011-907	6-5	1965 ²	3D, 3CD Los Angeles Civic Center Historic District
The Police Facilities Building, Parker Center 150 North Los Angeles Street	5161-013-905	6-6	1955 ²	3B, 3CB Los Angeles Civic Center Historic District
Motor Transport Division 151 North Judge John Aiso Street	5161-013-904 5161- 013-905	6-7	1958	3D, 3CD Los Angeles Civic Center Historic District
City of Los Angeles Parking Lot 3, "Tinkertoy" Parking Structure 140 North John Judge Aiso Street	5161-012-901	6-8	1968	3CS
corrugated metal shed no address	5161-012-902	6-9	c. late 1960s	6Z
Union Hardware and Metal Company, Los Angeles Police Garage, The Geffen Contemporary at MOCA 152 North Central Avenue	5161-012-904, 5161-012-905	6-10	1947	6Z
Office Depot Warehouse, City of Los Angeles Medical Services Division Building 432 East Temple Street	5173-008-906	6-11	1952	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Fletcher Bowron Square, Los Angeles Mall, Triforium, Bella Union Hotel site 201-225 Los Angeles Street	5161-010-901	6-12	1974 ³	7L, 6Z
220 East Market CT9	5161-013-904	6R	2009+ ⁴	not evaluated
351 East Temple Street	5161-011-904	6R	no date	not evaluated
255 East Temple Street	5161-011-905	6R	1991 ²	not evaluated
200 North Spring Street	5161-014-901	6R	1973 ²	not evaluated
111 East 1 st Street	5161-014-902	6R	1989 ⁴	not evaluated
414 East Commercial Street	5173-001-017	6R	1971	not evaluated
no address	5173-001-901	6R	no date	not evaluated
no address	5173-001-902	6R	no date	not evaluated
301 North Garey Street	5173-005-900	6R	no date	not evaluated
no address	5173-006-900	6R	no date	not evaluated
no address	5173-007-901	6R	no date	not evaluated
no address	5173-007-904	6R	no date	not evaluated
no address	5173-007-905	6R	no date	not evaluated
no address	5173-008-900	6R	no date	not evaluated
no address	5173-008-901	6R	no date	not evaluated
537 Banning Street	5173-008-902	6R	no date	not evaluated
416 East Temple Street	5173-008-904	6R	1961	not evaluated
422 East Temple Street	5173-008-905	6R	1960	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
no address	5173-008-907	6R	1960	not evaluated
no address	5173-008-908	6R	1960	not evaluated
541-551 East Banning Street	5173-009-900	9R	no date	not evaluated
607-615 East Banning Street	5173-009-901	9R	no date	not evaluated
518 East Banning Street	5173-009-902	9R	no date	not evaluated
no address	5173-010-900	9R	no date	not evaluated
no address	5173-011-900	6R	no date	not evaluated
535 North Alameda Street	5161-011-908, 5161-011-910, 5161-011-911	6R	1989 ²	not evaluated
no address	5161-012-906	6R, 7	no date	not evaluated
no address	5173-011-901	6R, 7	no date	not evaluated
Dorner & Hintz Saloon, Nelson Hotel, Red Wing Shoes, California Floral Company 220- 226 ½ East 1 st Street	5161-016-007	7-1	1910/1929	3CS
S.K. Uyeda Store, La Chicken 230 East 1 st Street	5161-016-008	7-2	1910/1923	6Z
Olympic Shop, Fianzas 114-116 Astronaut Elliot S. Onizuka Street	5161-016-009	7-3	1910/1926	6Z
Aid & Abet Bail Bonds Fianzas, Joseph's Men's Wear Clothier Shorter Men, Get Legal Immigrations Service 234-240 East 1 st Street	5161-016-011	7-4	1961/1964	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Sakura Rent-a-Car, Insurance, David Baraz Bail Bonds, Nail Service, Los Angeles Immigration and Photo 242-248 East 1 st Street	5161-016-010	7-5	1908/1925	6Z
Sumitomo Bank Tower, California Bank & Trust 101 South San Pedro Street	5161-016-014	7-6	1967	6Z
Little Tokyo Historic District	various	7-7 through 7-19	--	1D
Japanese Union Church of Los Angeles 120 North San Pedro Street	5161-012-909	7-7	1923 ¹	1D Little Tokyo Historic District
San Pedro Firm Building 108-116 North San Pedro Street	5161-012-014	7-8	1925 ¹	1D Little Tokyo Historic District
Mark Kuwata Real Estate 301 East 1 st Street	5161-012-004	7-9	1908 ¹	3D Little Tokyo Historic District
Little Tokyo Visitor's Center 303-307 East 1 st Street	5161-012-908	7-10	1907 ¹	6Z
Anzen Hardware 309-313 East 1 st Street	5161-012-006	7-11	1933 ¹	1D Little Tokyo Historic District
Ace Hi Cleaners, Fugetsu-Do Sweet Shop, Little Tokyo Arts & Gifts, Zippo DVD 315-319 East 1 st Street	5161-012-008	7-12	1957	6Z
Video Paradise, Korean Barbeque 321-323 East 1 st Street	5161-012-007	7-13	1930 ¹	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Little Tokyo Hotel 325 East 1 st Street	5161-012-013	7-14	1920 ¹	1D Little Tokyo Historic District
Ace Japanese Restaurant 331-335 East 1 st Street	5161-012-012	7-15	1914 ¹	1D Little Tokyo Historic District
A. Sperl Building 337-339 East 1 st Street	5161-012-011	7-16	1882 ¹	1D Little Tokyo Historic District
Diamora Hotel 341-345 East 1 st Street	5161-012-010	7-17	1905 ¹	1D Little Tokyo Historic District
Far East Café 347-353 East 1 st Street	5161-012-009	7-18	1911 ¹	1D Little Tokyo Historic District
Hompa Hongwaji Buddhist Temple 119 North Central Avenue, 355-369 East 1 st Street	5161-012-903	7-19	1925 ¹	1D, 5S1 Little Tokyo Historic District
Aoyama Tree 119-135 North Central Avenue	n/a	7-20	1920 (planted)	3CS
Color and Copy (Newark Brothers Building) 312 East 1 st Street	5161-017-035	7-21	1906/1991	6Z
Mitsuru's Sushi-Bar & Grill, Mikarana 314 East 1 st Street	5161-017-005	7-22	1909	6Z
parking lot(Progressive Theater, Sapporo-Ya) 320 East 1 st Street	5161-017-003	7-23	n/a	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Citibank 324 East 1 st Street	5161-017-002	7-24	1965	6Z
Bun Ka Do Gifts Music 340 East 1 st Street	5161-017-011	7-25	1963	6Z
Koyasan Church, Koyasan Temple, Koyasan Buddhist Temple 342 East 1 st Street	5161-017-019	7-26	1940 ¹	3S
Ginza Ginza, Tokyo Salon 342-342½ East 1 st Street	5161-017-012	7-27	1938	6Z
Three Twenty One building, Mitsubishi Bank, Federal Public Defender building 321 East 2 nd Street	5161-017-009	7-28	1965	6Z
Weiland Brewery Restaurant, Café Cuban Restaurant 114 South Central Avenue	5161-018-021	7-29	1897	6Z
S. Kamada restaurant, Atomic Café, Coast Imports, Señor Fish 416 East 1 st Street	5161-018-001	7-30	no date	3CS
Eigiku Café, Eigiku Restaurant, Kouraku Japanese Restaurant 314 East 2 nd Street	5161-022-003	7-31	1896	6Z
Little Tokyo Movie Theatre, Rafu Busan 326 East 2 nd Street	5161-022-011	7-32	1967	6Z
Brunswig Drug, Purepac Corporation, Brunswig Square, American Apparel 356-374 East 2 nd Street	5161-020-028	7-33	1931 ²	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
granite curb	n/a	7-34	c. 1880s	3CS Downtown Los Angeles Street Features
John A. Roebling's Sons Co., Robert Arranaga & Co., Inc. 216 South Alameda Street	5163-009-005	7-35	1913 ¹	3S
Japanese Village Plaza (Nisei Trading Co., Moline Plow Company) 352 East 1 st Street	5161-017-033	7-36	1978	6Z
316-318 East 1 st Street	5161-017-004	7R	no date	not evaluated
no address	5161-017-021	7R	1978	not evaluated
no address	5161-017-022	7R	1978	not evaluated
327 East 2 nd Street	5161-017-023	7R	1978	not evaluated
120 South San Pedro Street	5161-017-029	7R	1984	not evaluated
328 East 1 st Street	5161-017-031	7R	1986	not evaluated
319 East 2 nd Street	5161-017-034	7R	1989 ¹	not evaluated
364 East 1 st Street	5161-017-920	7R	no date	not evaluated
402 East 1 st Street	5161-018-002	7R	no date	not evaluated
no address	5161-018-007	7R	2001	not evaluated
105 South Alameda Street	5161-018-008	7R	no date	not evaluated
no address	5161-018-009	7R	1975	not evaluated
no address	5161018-010	7R	1975	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
no address	5161-018-011	7R	2001	not evaluated
401 East 2 nd Street	5161-018-020	7R	2001	not evaluated
432 East 2 nd Street	5161-019-011	7R	1980	not evaluated
350 East 2 nd Street	5161-020-016	7R	1980	not evaluated
330 East. 2 nd Street	5161-020-018	7R	1984	not evaluated
316 East 2 nd Street	5161-022-002	7R	1970	not evaluated
318-320 East 2 nd Street	5161-022-012	7R	1970	not evaluated
330 East 2 nd Street	5161-022-022	7R	1978	not evaluated
200 South San Pedro Street	5161-022-023	7R	1982	not evaluated
232 East 2 nd Street	5161-024-012	7R	no date	not evaluated
no address	5161-024-019	7R	no date	not evaluated
no address	5161-024-021	7R	no date	not evaluated
100 South Alameda Street	5163-001-088	7R	2005	not evaluated
510 East 2 nd Street	5163-009-901	7R	no date	not evaluated
no address	5161-017-039– 5161-017-050	7R	no date	not evaluated
126-128 Astronaut Elliot S. Onizuka Street	5161-016-012	7R, 8	no date	not evaluated
120 South Los Angeles Street	5161-016-019	7R, 8	1977 ²	not evaluated
204 East 1 st Street	5161-016-020	7R, 8	1977	not evaluated
120 South Los Angeles Street	5161-016-021	7R, 8	1977	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
227 East 2 nd Street	5161-016-024	7R, 8	1980	not evaluated
118 Astronaut Elliot S. Onizuka Street	5161-016-025	7R, 8	1985	not evaluated
228 East 2 nd Street	5161-024-010	7R, 8	no date	not evaluated
230 East 2 nd Street	5161-024-011	7R, 8	no date	not evaluated
no address	5161-024-014	7R, 8	no date	not evaluated
no address	5161-024-015	7R, 8	no date	not evaluated
no address	5161-024-018	7R, 8	no date	not evaluated
Parking Lot 17, "Tinkertoy" Parking Structure 131 South Olive Street	5149-010-946	8-1	1968	6Z
<i>Los Angeles Times</i> Building 202 West 1 st Street	5149-001-006	8-2	1935 ¹	2S2
The <i>Mirror</i> Building (Site of Butterfield State Station), <i>Los Angeles Times-Mirror</i> Annex, Times Building South, <i>Mirror-News</i> Building 145 South Spring Street	5149-001-003	8-3	1948	3S, 5S1, 7L
Astor Hotel, Kawada Hotel 200 South Hill Street	5149-009-017	8-4	1918 ¹	6Z
Los Angeles Law Center, Redwood Bar & Grill 316 East 2 nd Street	5149-009-024	8-5	1926	6Z
2 nd Street Annex Garage 222 South Hill Street	5149-009-023	8-6	1926 ¹	1926 ¹
Los Angeles Law Center 205 South Broadway	5149-009-019	8-7	1911/1945	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Los Angeles Law Center, Merchants Trust Building 207 South Broadway	5149-009-022	8-8	1905/1954	6Z
Wilcox Building, Wilcox Block, Citizenside Federal Credit Union 200-210 South Spring Street	5149-007-006	8-9	1905	6Z
Wilcox Annex The Blue Cube Burger, Metropolitan <i>News-Enterprise</i> 212-218 South Spring Street	5149-007-005	8-10	1950	6Z
Higgins Building, General Petroleum Building, Los Angeles County Bureau of Engineering 108 West 2 nd Street	5149-006-010– 5149-006-151	8-11	1910	3CS
Cathedral of Saint Vibiana 214 South Main Street	5161-026-022	8-12	1876	3S, 5S1
Rectory, Cathedral of Saint Vibiana 114 East 2 nd Street	5161-026-023, 5161-026-024	8-13	1934	3S
Downtown Los Angeles Street Features District	--	n/a	various	3D, 3CD
Street Feature: Air Raid Siren No. 8	Temple and Spring Streets	n/a	c. 1950s	3D, 3CD Los Angeles Civic Center Downtown Los Angeles Street Features
Street Feature: Air Raid Siren No. 93	Olive Street, midblock between 1 st and 2 nd Streets	n/a	c. 1950s	3D, 3CD Los Angeles Civic Center Downtown Los Angeles Street Features

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Street Feature: Five-Globe Llewellyn streetlight standard	various; 7 th Street between Hope and Figueroa Streets	n/a	c. 2005	6Z
Street Feature: "Olympic Special," Union Metal No. 40314 streetlight standard	various; nearby Parker Center, City Hall East, and Federal Building	n/a	1932	3D, 3CD Los Angeles Civic Center Downtown Los Angeles Street Features
Street Feature: Union Metal No. 1906 streetlight standard	various; Wilshire Boulevard between Hope and Figueroa Streets, South Spring Street from 2 nd to Temple Streets	n/a	c. 1925	3D, 3CD Los Angeles Civic Center Downtown Los Angeles Street Features
Street Feature: Union Station style streetlight standard	1 st Street at Main Street	n/a	1920	6Z
Street Feature: Union Metal No. 1193 streetlight standard	various; Broadway at Temple Street	n/a	1920	3D, 3CD Downtown Los Angeles Street Features
Street Feature: twin pendant, trolley pole streetlight standard	various; 1 st Street and Judge John Aiso Street	n/a	posts c. 1900, lamps unknown	6Z
Street Feature: cobra-head, trolley pole streetlight standard	various; 2 nd Street between Main and Judge John Aiso Streets	n/a	posts c. 1900, lamps unknown	6Z

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
Street Feature: twin suspended globe, aluminum post streetlight standard	various; intersections of 1 st , 2 nd , Judge John Aiso, and Central Streets	n/a	c. 1970s	6Z
Street Feature: teardrop hat, octagonal streetlight standard	various; Figueroa Street at Wilshire	n/a	unknown	6Z
220 West 1 st Street	5149-001-004	8	1972	not evaluated
234 West 1 st Street	5149-001-005	8	1973 ²	not evaluated
234 West 1 st Street	5149-001-007	8	1972	not evaluated
no address	5149-001-901	8	2009 ⁴	not evaluated
no address	5149-001-902	8	2009 ⁴	not evaluated
no address	5149001-903	8	no date	not evaluated
no address	5149-001-913	8	2009 ⁴	not evaluated
no address	5149-001-914	8	2009 ⁴	not evaluated
233 South Main Street	5149-006-005	8	no date	not evaluated
no address	5149-006-006	8	no date	not evaluated
no address	5149-006-007	8	1969	not evaluated
213 South Main Street	5149-006-008	8	no date	not evaluated
220 South Spring Street	5149-007-008	8	1970	not evaluated
213 South Spring Street	5149-008-029	8	1988	not evaluated
208 South Broadway	5149-008-030	8	1988	not evaluated
200 South Broadway	5149-008-031	8	1999	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
201 South Spring Street	5149-008-032	8	no date	not evaluated
no address	5149-008-900	8	no date	not evaluated
229 South Broadway	5149-009-014	8	no date	not evaluated
212 South Hill Street	5149-009-016	8	1982	not evaluated
200-300 South Olive Street	5149-010-023	8	1981	not evaluated
235 South Hill Street	5149-010-024	8	1982	not evaluated
130 South Olive Street	5149-010-034	8	no date	not evaluated
200-300 South Olive Street	5149-010-264	8	1981	not evaluated
120 South Olive Street	5149-010-944	8	no date	not evaluated
230 South Main Street	5161-026-020	8	no date	not evaluated
200 South Main Street	5161-026-023	8	no date	not evaluated
no address	5161-026-033	8	1970	not evaluated
226 South Main Street	5161-026-034	8	no date	not evaluated
223 South Los Angeles Street	5161-026-035	8	1970	not evaluated
203 South Los Angeles Street	5161-026-901	8	2005 ²	not evaluated
100 South Main Street	5161-015-901 to 5161-015-906	8	2004 ³	not evaluated
622 East 1 st Street	5163-002-006	9R-3	1931	6Z
620 East 1 st Street	5163-002-020	9R-2	1913	6Z
no address	5163-002-021	9R	no date	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
606 East 1 st Street	5163-002-023	9R-1	1913	6Z
121 South Hewitt Street	5163-002-026	9R	1968/1969	not evaluated
601 East 1 st Street	5163-002-029	9R	2008	not evaluated
700 East 1 st Street	5163-003-001	9R-4	1909	6Z
710 East 1 st Street	5163-003-002	9R	no date	not evaluated
712 East 1 st Street	5163-003-003	9R	1979	not evaluated
no address	5163-003-006	9R	no date	not evaluated
116 South Hewitt Street	5163-003-007	9R	1990	not evaluated
no address	5163-003-008	9R	no date	not evaluated
no address	5163-003-023	9R	1990	not evaluated
no address	5163-004-001	9R	no date	not evaluated
no address	5163-004-004	9R	no date	not evaluated
810 East 1 st Street	5163-004-010	9R	1990	not evaluated
880 East 1 st Street	5163-004-012	9R	2002	not evaluated
900 East 1 st Street	5163-005-006	9R-6	1900	2S2, 5S3
120 South Vignes	5163-005-007	9R-5	1909	6Z
815 East 1 st Street	5173-012-031	9R	2004	not evaluated
815 East 1 st Street	5173-012-033	9R	1969 and 1979	not evaluated
no address	5173-012-900	9R	no date	not evaluated

Appendix A
List of Parcels In Project Area of Potential Effects

Building Name Address	Assessor's Parcel No.	APE Map Sheet Property No.	Year Built**	California Register Status Code*
901 East 1 st Street	5173-013-014	9R-8	1885	6Z
124 North Vignes Street	5173-013-018	9R	1968/1972 and 1983	not evaluated
925 East 1 st Street	5173-013-020	9R	1990	not evaluated
1 st Street Viaduct	n/a	9R-7	1929	2S2
617 East 1st Street	5173-012-900	9R-9	--	6Z

** All "Year Built" dates are from the Los Angeles County Assessor's Office unless otherwise noted. Dates are current as of April 24, 2009. The FUG Alternative was updated as of January 04, 2010.

* **California Historical Resource Status Codes** refer to **Appendix F**

¹ Historic Property Data File (OHP 2009f). Dates are current as of February 3, 2009.

² *Los Angeles Times* article regarding the property's initial dedication (Young, 2003).

³ Grand Avenue Draft Environmental Impact Report, Historic Resources Technical Report (PCR, 2006).

⁴ Currently under construction.

APPENDIX B

RECORDS SEARCH RESULTS

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA4742 **DATE:** 1999 **PAGES** 14

AUTHOR Lapin, Philippe

FIRM: LSA Associates

TITLE: Cultural Resource Assessment for Pacific Bell Mobile Services Facility LA 263-01,
County of Los Angeles, California

AREA: < 1 ac

SITES: none

QUADNAME: Los Angeles

MEMO:

IC ID#: LA483 **DATE:** 1978 **PAGES** 175

AUTHOR Greenwood, Roberta

FIRM: Greenwood and Associates

TITLE: Archaeological Resources Survey the Proposed Downtown People Mover Project

AREA:

SITES: none

QUADNAME: Hollywood

Los Angeles

MEMO:

IC ID#: LA5200 **DATE:** 2001 **PAGES** 159

AUTHOR Warren, Keith M; Hamilton, Colleen; Robinson, Mark

FIRM: Applied earth Works, Inc.

TITLE: Assessment of Archaeological and Paleontological Sensitivity on the Proposed California
Department of Transportation District 7 Headquarters Replacement Project

AREA: <2.5 ac

SITES: none

QUADNAME: Los Angeles

MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA5203 **DATE:** 2001 **PAGES** 9

AUTHOR Foster, John M.

FIRM: Greenwood And Associates

TITLE: Archaeological Monitoring Report: Soil Test Pit Excavation for the Siqueiros Mural Project, El Pueblo de Los Angeles

AREA: <5 ac

SITES: none

QUADNAME: Los Angeles

MEMO:

IC ID#: LA5282 **DATE:** 2001 **PAGES** 6

AUTHOR Schmidt, James J.

FIRM: Compass Rose Archaeological, Inc.

TITLE: Negative Archaeological Survey Report: 29660 Harvester Rd., Malibu, CA

AREA: <1 ac

SITES: 19-001121

QUADNAME: Point Dume

MEMO:

IC ID#: LA5410 **DATE:** 1978 **PAGES** 35

AUTHOR Reinoenl, Gary

FIRM: Department of Parks and Recreation

TITLE: El Pueblo de Los Angeles State Historic Park Resource Management Plan

AREA: 10 ac

SITES: none

QUADNAME: Los Angeles

MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA1770

DATE: 1989

PAGES 37

AUTHOR Salls, Roy A.

FIRM: Northridge Center for Public Archaeology

TITLE: Report of Archaeological Reconnaissance Survey of:ESA Project 7217B, City of Los Angeles, Los Angeles County, Ca

AREA: 8 ac

SITES: None

QUADNAME: Los Angeles

MEMO:

IC ID#: LA2486

DATE: 1991

PAGES 17

AUTHOR Kaptain, Neal

FIRM: Greenwood and Associates

TITLE: Monitoring and Mapping: Union Station Utility Upgrade, CA-LAN-1575H

AREA:

SITES: 19-001575

QUADNAME: Los Angeles

MEMO:

IC ID#: LA292

DATE: 1978

PAGES 8

AUTHOR D'Altroy, Terence N.

FIRM: University of California Los Angeles Archaeological Surveyt

TITLE: Environmental Impact Statement: Assessment of the Impact on Archaeological Resources of Proposed Constructi of School Facilities and Parking Facilities at the Intersection of Sunset Boulevard and North Figueroa Street, Los Angeles, California

AREA:

SITES: None

QUADNAME: Los Angeles

MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA3377 **DATE:** 1996 **PAGES** 3
AUTHOR FOSTER, JOHN
FIRM: Greenwood and Associates
TITLE:
AREA: 1 ac
SITES: CA-LAN-1103

QUADNAME: Los Angeles
MEMO:

IC ID#: LA3501 **DATE:** 1990 **PAGES** 67
AUTHOR Dillon, Brian D.
FIRM:
TITLE: Archaeological Record Search and Impact Evaluation for the Los Angeles Wastewater Program Management (NOS-NCOS) Project Los Angeles, California
AREA: 57,600 ac
SITES: 19-000053,19-000055,19-000056,19-000057,19-000068,19-000007,19-000097,19-000069,19-000070,19-000071,19-000072,19-000073,19-000074,19-000080,19-000171,19-000172,19-0001336,19-001399,19-000159,19-001261,19-000181,19-001112,19-001595,19-000887,19-000132,19-000067

QUADNAME: Los Angeles,Pasadena,Venice,Beverly Hills,Burbank,Hollywood,Inglewood
MEMO:

IC ID#: LA3515 **DATE:** 1996 **PAGES** 8
AUTHOR Maki, Mary K.
FIRM: Fugro West, Inc.
TITLE: Negative Phase I Archaeological Survey of 0.84 Acre at 14751 and 14755 Garfield Ave and 7339 Petrol Street, City of Paramount, Los Angeles County, California
AREA: 0.84 ac
SITES: None

QUADNAME: South Gate
MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA3587

DATE: 1994

PAGES 415

AUTHOR King, Chester

FIRM: Topanga Anthropological Consultants

TITLE: Prehistoric Native American Cultural Sites in the Santa Monica Mountains

AREA: 13,337 ac

SITES: 19-000229,19-000267,19-000690,56-000003,19-000227,19-000776,56-000110,56-000010,56-000024,56-000089,56-000174,19-000052,19-000384,19-000114,19-000207,19-000264,56-000071,56-000865,56-000261,56-000737,56-000179,56-000095,56-000096,56-000341,56-000342,
19-000186,19-000242,19-000243,19-000413,19-000043,19-000059,19-000060,19-19-002200,56-000204,56-000538,56-001157,19-000002,19-000373,19-000324,56-000294,56-000606,19-000669,19-000466,56-000535,19-000807,56-000100,56-000070,56-000065,56-000001,56-000640,56-001154,56-000881,56-000880,56-000879,56-000878,56-000877,56-000876,
56-000875,56-000874,56-000873,56-000872,56-000871,56-000869,56-000145,56-000870,19-002154,19-002201,19-002202,56-000146,56-000145,19-001248,19-001341,56-000853,56-000536,56-000271,56-000045,56-000044,56-000124,56-000123,56-000221,56-000222,56-000705,
56-000706,56-000707,19-001352,19-000111,19-001326,19-001327,56-000884,56-000885,56-000883,56-000882,56-000886,19-002160,19-002153m19-002167,19-002168,19-001117,19-002165,19-002164,19-002162,19-002161,19-002159,19-002158,19-002157,19-002163,+more,see memo

QUADNAME: Point Dume, Triunfo Pass, Malibu Beach, Topanga, Beverly Hills, Hollywood, Burbank, Van

MEMO: Same as VN1462. Space did not permit the entry of all sites referenced within this

IC ID#: LA3645

DATE: 1995

PAGES 73

AUTHOR Whitley, David S.

FIRM: W & S Consultants

TITLE: Phase I Archaeological Survey and Cultural Resources Assessment of the Metropolitan Water District Headquarters Study Area, Los Angeles, California

AREA: 4 ac

SITES: 19-001575H

QUADNAME: Los Angeles

MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA3668 **DATE:** 1997 **PAGES** 182
AUTHOR Dillon, Brian D.
FIRM:
TITLE: St. Vibiana's Cathedral Los Angeles, California
AREA: 2.5 ac
SITES: 19-150330

QUADNAME: Los Angeles
MEMO: Missing Report Updated: 11/6/02

IC ID#: LA3783 **DATE:** 1993 **PAGES** 19
AUTHOR White, Robert S. and White, Laurie E.
FIRM: Archaeological Associates
TITLE: Archaeological Element of the Metropolitan Water District of Southern California
Headquarters Facility Site Study Analysis
AREA: 101 ac
SITES: None

QUADNAME: Los Angeles
San Dimas
MEMO: 92 ac. Area on the San Dimas Quad was surveyed. Areas on Los Angeles Quad were not

IC ID#: LA3786 **DATE:** 1997 **PAGES** 173
AUTHOR Dillon, Brian D.
FIRM:
TITLE: Cathedral of Our Lady of the Angles Los Angeles, California Cultural Resources Evaluation
AREA: Unknown
SITES: 19-000007,19-000887,19-00112,19-001575,19-120013

QUADNAME: Los Angeles
MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA3812 **DATE:** 1982 **PAGES** 20

AUTHOR Chace, Paul G.

FIRM: Paul G. Chace & Associates

TITLE: Archaeological Monitoring of the W-7 Ramp Project, Olvera St, El Pueblo de Los Angeles State Historic Park

AREA:

SITES: Palomares-Jones Property

QUADNAME: Los Angeles

MEMO:

IC ID#: LA3813 **DATE:** 1992 **PAGES** 47

AUTHOR Anonymous

FIRM: Peak & Associates, Inc.

TITLE: An Archival Study of a Segment of the Proposed Pacific Pipeline, City of Los Angeles, California

AREA: 6.5 li mi

SITES: None

QUADNAME: Los Angeles

MEMO:

IC ID#: LA3814 **DATE:** 1981 **PAGES** 45

AUTHOR Singer, Clay A.

FIRM: Northridge Archaeological Research Center, Ca. St. University

TITLE: Preliminary Historic Archaeological Investigations at the Los Angeles Plaza Church

AREA:

SITES: The Plaza Church

QUADNAME: Los Angeles

MEMO:

SCCIC Bibliography: Regional Connector LA Quadrangle

IC ID#: LA3906 **DATE:** **PAGES** 239
AUTHOR Costello, Julia G., Wilcoxon, Larry R.
FIRM: Julia G. Costello, Larry R. Wilcoxon
TITLE: An Archaeological Assessment of Cultural Resources in Urban Los Angeles, California La
Placita de Dolores -- Lan-887
AREA: 8 ac
SITES: 19-000887H

QUADNAME: Los Angeles
MEMO:

IC ID#: LA3910 **DATE:** 1983 **PAGES** 62
AUTHOR Frierman, Jay D.
FIRM: Jay D. Frierman, Consulting Archaeologist
TITLE: Monitoring the Restoration and Rehabilitation of the Sepulveda Block 622-624 North
Main Street El Pueblo de Los Angeles State Historic Park
AREA: 8 ac
SITES: 19-000887H

QUADNAME: Los Angeles
MEMO:

IC ID#: LA3946 **DATE:** 1998 **PAGES** 26
AUTHOR McLean Deborah
FIRM: LSA Associates, Inc.
TITLE: Archaeological Assessment for Pacific Bell Mobile Services Telecommunications Facility
LA 057-03, 433 East Temple Street, City and County of Los Angeles, California
AREA: less than 1 ac
SITES: None

QUADNAME: Los Angeles
MEMO: