**Executive Summary** 

Table ES.6. Summary of Impacts (continued)

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative
Environmental Justice	Disproportionate Adverse	Disproportionate Adverse	Disproportionate Adverse	Disproportionate Adverse Effects
	Effects related to transit	Effects related to traffic	Effects related to aesthetics	related to community cohesion and
	service equity and traffic	congestion along Crenshaw	and parklands adjacent to	aesthetics in Hyde park area on
	congestion along Crenshaw	Boulevard	and along Edward Vincent	Crenshaw Boulevard
	Boulevard, Florence Avenue		Jr. Park	
	and Aviation Boulevard			

Source: Parsons Brinckerhoff, 2009



Table ES.7. LRT Alternative Design Options and Impacts Summary

		•	' '	•		
Project Goal/Criteria/Measure	LRT Alternative Design Option 1	LRT Alternative Design Option 2	LRT Alternative Design Option 3	LRT Alternative Design Option 4	LRT Alternative Design Option 5	LRT Alternative Design Option 6
Description	An aerial station at	An aerial crossing	A cut and cover	A cut and cover	A subway station	A below-grade
r	Century Boulevard	instead of an at-	crossing instead of an	alignment instead	at Vernon Avenue	alignment between
	instead of an at-	grade crossing	at-grade crossing at	of an aerial	near Leimert Park.	39th Street and
	grade station at	at Manchester	Centinela Avenue.	alignment between	liour Zommorv rumo	Exposition with
	LAX.	Avenue.	Gentineia inventae.	Victoria Avenue		a subway station
	Li II I.	7 iveliae.		and 60th Street.		instead of an at-
				and ooth street.		grade alignment
						north of 39th Street
						with connection to
						Exposition and an
						at-grade station.
Estimated Capital Costs of Base LRT	1,316,863	1,321,889	1,318,848	1,334,259	1,460,795	1,541,394
Alternative + Design Option (000s 2008	1,510,005	1,321,007	1,310,010	1,331,237	1,100,773	1,311,371
Dollars)						
Net Incremental Costs of Design Option	11,265	16,291	13,250	28,661	155,197	235,796
(000s 2008 Dollars)		,				
Environmental	•	•	•	•		
Land Use and Development						
Regional Land Use	No Adverse Effect					
Local Land Use and Development	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect	Potential	No Adverse Effect
					Adverse Effect,	
					intensification	
					of high density	
					development in the	:
					Leimert Park area	
					may result in an	
					adverse effect	
Division of Established Community	No Adverse Effect					
City of Los Angeles Transportation	Consistent	Consistent	Consistent	Consistent	Consistent	Consistent
Policy						

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
City of Los Angeles General Plan, -	More Consistent	More Consistent	More Consistent	More Consistent	More Consistent	More Consistent
Transportation and Land Use Elements		than the Base	than the Base LRT	than the Base	than the Base	than the Base LRT
Transportation and Earla OSC Elements	LRT Alternative,	LRT Alternative,	Alternative, the	LRT Alternative,	LRT Alternative,	Alternative, the
	the improved	the improved	improved traffic flows	the improved	the improved	improved traffic flows
	traffic flows on the	traffic flows on the	on the surrounding	traffic flows on the	traffic flows on the	on the surrounding
	surrounding streets	surrounding streets	streets would result in	surrounding streets	surrounding streets	streets would result
	would result in	would result in		would result in	would result in	
			better mobility for the			in better mobility for
	better mobility for	better mobility for	area	better mobility for	better mobility for	the area
C La CI LA 1 C La I DI	the area	the area	Carrier	the area Consistent	the area	C
County of Los Angeles General Plan City of Ingelwood General Plan	Consistent Consistent	Consistent Consistent	Consistent Consistent	Consistent	Consistent Consistent	Consistent Consistent
City of Ingelwood General Plan  City of El Segundo General Plan	Consistent	Consistent	Consistent	Consistent	Consistent	Consistent
City of Hawthorne General Plan	Consistent	Consistent	Consistent	Consistent	Consistent	Consistent
City of Los Angeles Municipal Code						
RAS and Density Bonus Ordinance	Consistent	Consistent	Consistent	Consistent	Consistent	Consistent
West Adams, Baldwin Hills, Leimert						
Park, Westchester Playa del Rey and	Consistent	Consistent	Consistent	Consistent	Consistent	Consistent
Wilshire Community Plans						
Crenshaw Corridor Specific Plan	Consistent,	Consistent,	Not within the	Consistent, would	Consistent, would	Consistent, would
1	would enhance	would enhance	specific plan area	increase the	preserve low-	preserve low-
	the community	the community		mobility through	density residential	density residential
	through increased	through increased		the area and	community and	community and not
	mobility while	mobility while		preserve the low-	not affect the	affect the character
	preserving the	preserving the		density residential	character of the	of the surrounding
	visual character	visual character		character of the	surrounding	residential
	Visual Character	visual citatactel		community more	residential	community.
				than the Base LRT	community.	Community.
				Alternative.	Community.	
Park Mile Specific Plan	Consistent, would	Consistent, would	Not within the	Not within the	Not within the	Not within the
Tark wine opecine I tan	maintain low	maintain low	specific plan area	specific plan area	specific plan area	specific plan area
	density residential	density residential	specific plan area	specific plan area	specific plan area	specific plan area
	· '	, ,				
	area and park-like	area and park-like				
	setting	setting				

Table ES.7. LRT Alternative Design Options and Impacts Summary

Project Goal/Criteria/Measure	LRT Alternative Design Option 1	LRT Alternative Design Option 2	LRT Alternative Design Option 3	LRT Alternative Design Option 4	LRT Alternative Design Option 5	LRT Alternative Design Option 6
CRA/LA, Mid-City Corridors and	More Consistent					
Crenshaw and Crenshaw/Slaughter	than the Base	than the Base	than the Base LRT	than the Base	than the Base	than the Base LRT
Corridors Redevelopment Projects	LRT Alternative	LRT Alternative	Alternative because	LRT Alternative	LRT Alternative	Alternative because
Corrigoro ricueveroprinenti i rojecio	because it would	because it would	it would better	because it would	because it would	it would better
	be located closer to	better enhance	enhance automobile	better enhance	better enhance	enhance automobile
	Century Boulevard	automobile	circulation,	automobile	automobile	circulation,
	where the majority	circulation,	eliminating delay	circulation,	circulation,	eliminating delay
	of pedestrian	eliminating delay	from light rail vehicle	eliminating delay	eliminating delay	from light rail
	activity in the area	from light rail	crossings	from light rail	from light rail	vehicle crossings
	occurs.	vehicle crossings		vehicle crossings	vehicle crossings	
LAX Master Plan	More Consistent	Consistent,	Consistent, would	Consistent,	Consistent,	Consistent, would
	than the Base	would develop a	develop a connection	would develop a	would develop a	develop a connection
	LRT Alternative,	connection point	point to LAX	connection point	connection point	point to LAX
	the LAX	to LAX		to LAX	to LAX	
	connection point					
	would facilitate					
	connections with					
	passengers from					
	transit services					
	other than light					
	rail traveling					
	along the Harbor					
	Subdivision right-					
	of-way					
Displacements	None	None	1 partial parcel	• 3 partial parcels,	1 partial parcel on	None
				1 on Crenshaw	Crenshaw Blvd.	
				Blvd.		
				• 2 full parcels,		
				1 on Crenshaw		
				Blvd.		
Community Cohesion	No Adverse Effect					

## CRENSHAW TRANSIT CORRIDOR DRAFT EIS/EIR

**Executive Summary** 

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
Visual	Less than Adverse	Less than Adverse	<ul> <li>Less than Adverse</li> </ul>	Less than Adverse	Less than Adverse	Less than Adverse
	Effect	Effect	Effect with	Effect	Effect	Effect
			mitigation.			
			<ul> <li>Mature palm trees</li> </ul>			
			removed along			
			Crenshaw Blvd. at			
			Edward Vincent Jr.			
			Park			
Air Quality	<ul> <li>Adverse Effect</li> </ul>	<ul> <li>Adverse Effect</li> </ul>	<ul> <li>Adverse Effect</li> </ul>	<ul> <li>Adverse Effect</li> </ul>	<ul> <li>Adverse Effect,</li> </ul>	• Adverse Effect
	• NO <sub>x</sub> exceeds	• NO <sub>x</sub> exceeds	• NO <sub>x</sub> exceeds federal	• NO <sub>x</sub> exceeds	• NO <sub>x</sub> exceeds	• NO <sub>x</sub> exceeds
	federal regional	federal regional	regional threshold	federal regional	federal regional	federal regional
	threshold	threshold	• 3,249 tons per year	threshold	threshold	threshold
	• 3,249 tons per	• 3,249 tons per	increase in Green	• 3,249 tons per	• 3,249 tons per	• 3,249 tons per year
	year increase in	year increase in	House Gases	year increase in	year increase in	increase in Green
	Green House	Green House		Green House	Green House	House Gases
	Gases	Gases		Gases	Gases	

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
Noise and Vibration	• Adverse Effect	<ul> <li>Adverse Effect</li> </ul>	• Adverse Effect	• Adverse Effect	• Adverse Effect	• Adverse Effect
	• Moderate LRT	Moderate LRT	• Moderate LRT pass	Moderate LRT	Moderate LRT	Moderate LRT
	pass by noise	pass by noise	by noise impact	pass by noise	pass by noise	pass by noise
	impact between	impact between	between 54th St.	impact between	impact between	impact between
	54th St. and	54th St. and	and Victoria Ave.	54th St. and 60th	54th St. and	54th St. and
	Victoria Ave.	Victoria Ave.	<ul> <li>Moderate at-</li> </ul>	St.	Victoria Ave.	Victoria Ave.
	<ul> <li>Moderate at-</li> </ul>	<ul> <li>Moderate at-</li> </ul>	grade signal noise	• Moderate at-	<ul> <li>Moderate at-</li> </ul>	Moderate at-
	grade signal	grade signal	impacts at West	grade signal	grade signal	grade signal
	noise impacts at	noise impacts at	Blvd.	noise impacts at	noise impacts at	noise impacts at
	Centinela Ave.	Centinela Ave.	<ul> <li>Moderate special</li> </ul>	Centinela Ave.	Centinela Ave.	Centinela Ave. and
	and West Blvd.	and West Blvd.	traffic work noise	and West Blvd.	and West Blvd.	West Blvd.
	<ul> <li>Moderate special</li> </ul>	• Moderate special	impact at the Expo	<ul> <li>Moderate special</li> </ul>	<ul> <li>Moderate special</li> </ul>	Moderate special
	traffic work	traffic work	Line station and at	traffic work	traffic work	traffic work noise
	noise impact at	noise impact at	the Century Blvd.	noise impact at	noise impact at	impact at the Expo
	the Expo Line	the Expo Line	station	the Expo Line	the Expo Line	Line station and at
	station and at the			station and at the	station and at the	the Century Blvd.
	Century Blvd.	Century Blvd.		Century Blvd.	Century Blvd.	station
12:1:12	station	station	T 1 4 1	station	station	v .1 .1 .1
Ecosystems and Biological Resources	• Less than	• Less than	• Less than Adverse	• Less than	• Less than	• Less than Adverse
	Adverse Effect	Adverse Effect	Effect with	Adverse Effect	Adverse Effect	Effect with
	with mitigation	with mitigation	mitigation	with mitigation.	with mitigation	mitigation
	Mature palm	Mature palm	Mature palm trees	Mature palm	Mature palm	Mature palm trees
	trees removed at	trees removed at	removed at Edward	trees removed at	trees removed at	removed at Edward
	Edward Vincent	Edward Vincent	Vincent Jr. Park	Edward Vincent	Edward Vincent	Vincent Jr. Park
	Jr. Park	Jr. Park	Native trees and	Jr. Park	Jr. Park	Native trees
	Native trees	Native trees	vegetation removed	Native trees	Native trees	and vegetation
	and vegetation	and vegetation		and vegetation	and vegetation	removed
	removed	removed		removed	removed	

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
Geotechnical	• Less than	• Less than	• Less than Adverse	• Less than	• Less than	• Less than Adverse
	Adverse Effect	Adverse Effect	Effect with	Adverse Effect	Adverse Effect	Effect with
	with mitigation.	with mitigation.	mitigation.	with mitigation.	with mitigation.	mitigation.
	Potential Adverse	• Potential Adverse	<ul> <li>Potential Adverse</li> </ul>	• Potential Adverse	• Potential Adverse	Potential Adverse
	Effect	Effect	Effect	Effect	Effect	Effect
	<ul> <li>Discovery of</li> </ul>	<ul> <li>Discovery of</li> </ul>	<ul> <li>Discovery of</li> </ul>	<ul> <li>Discovery of</li> </ul>	<ul> <li>Discovery of</li> </ul>	• Discovery of
	subsurface gases	subsurface gases	subsurface gases	subsurface gases	subsurface gases	subsurface gases
	• Ground	<ul> <li>Ground</li> </ul>	• Ground	<ul> <li>Ground</li> </ul>	• Ground	• Ground
	deformation	deformation	deformation from	deformation	deformation	deformation
	from Newport-	from Newport-	Newport-Inglewood	from Newport-	from Newport-	from Newport-
	Inglewood fault	Inglewood fault	fault	Inglewood fault	Inglewood fault	Inglewood fault
	Seismically	<ul> <li>Seismically</li> </ul>	Seismically induced	<ul> <li>Seismically</li> </ul>	Seismically	Seismically
	induced	induced	settlement	induced	induced	induced settlement
	settlement	settlement		settlement	settlement	
Water	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
Historic, Archaeological, Paleontological	• Adverse Effect to	• Adverse Effect to	<ul> <li>Adverse Effect to</li> </ul>		<ul> <li>Adverse Effect to</li> </ul>	Adverse Effect to
	Angelus Funeral	Angelus Funeral	Angelus Funeral	Angelus Funeral	Angelus Funeral	Angelus Funeral
	Home from	Home from	Home from	Home from	Home from	Home from
	proposed TPSS	proposed TPSS	proposed TPSS site	proposed TPSS	proposed TPSS	proposed TPSS
	site immediately	site immediately	immediately north	site immediately	site immediately	site immediately
	north and from	north and from	and from partial	north and from	north and from	north and from
	partial take of	partial take of	take of Century	partial take of	partial take of	partial take of
	Century Lounge	Century Lounge	Lounge	Century Lounge	Century Lounge	Century Lounge
	• Potential Adverse	Potential Adverse	<ul> <li>Potential Adverse</li> </ul>	• Potential Adverse	<ul> <li>Potential Adverse</li> </ul>	Potential Adverse
	Effects to	Effects to	Effects to	Effects to	Effects to	Effects to
	Department of	Department of	Department of	Department of	Department of	Department of
	Water and Power,	Water and Power,	Water and Power,	Water and Power,	Water and Power,	Water and Power,
	May Company	May Company	May Company	May Company	May Company	May Company
	Department	Department	Department Store	Department	Department	Department Store
	Store (now	Store (now	(now Macy's	Store (now	Store (now	(now Macy's
	Macy's	Macy's	Department	Macy's	Macy's	Department
	Department	Department	Store), Broadway	Department	Department	Store), Broadway
	Store), Broadway	Store), Broadway	Department Store	Store), Broadway	Store), Broadway	Department Store
	Department	Department	(now Wal-Mart),	Department	Department	(now Wal-Mart),
	Store (now	Store (now	Maverick's Flat and	Store (now	Store (now	Maverick's Flat
	Wal-Mart),	Wal-Mart),	Leimert Park and	Wal-Mart),	Wal-Mart),	and Leimert Park
	Maverick's Flat	Maverick's Flat	in the rare case of	Maverick's Flat	Maverick's Flat	and in the rare
	and Leimert Park	and Leimert Park	potential settlement	and Leimert Park	and Leimert Park	case of potential
	and in the rare	and in the rare	and damage that	and in the rare	and in the rare	settlement and
	case of potential	case of potential	may result during	case of potential	case of potential	damage that may
	settlement and	settlement and	excavation.	settlement and	settlement and	result during
	damage that may	damage that may		damage that may	damage that may	excavation.
	result during	result during		result during	result during	
	excavation.	excavation.		excavation.	excavation.	

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure Parklands and Community Facilities	Design Option 1 No Adverse Effect	Design Option 2 No Adverse Effect	Design Option 3  No Adverse Effect, Edward Vincent Jr. Park – de minimis Section 4(f) effect for removing the mature palm trees, but not affecting the park features, uses, or	Design Option 4 No Adverse Effect	Design Option 5 No Adverse Effect	Design Option 6 No Adverse Effect
Economic	<ul> <li>No Adverse         Effect</li> <li>880 additional         jobs, 272 transit         operations</li> <li>\$73.2 million         increase in         economic output</li> <li>\$42.4 million         increase in         household         earnings</li> <li>\$113,500         property tax loss</li> </ul>	<ul> <li>No Adverse         Effect</li> <li>880 additional         jobs, 272 transit         operations</li> <li>\$73.2 million         increase in         economic output</li> <li>\$42.4 million         increase in         household         earnings</li> <li>\$113,500         property tax loss</li> </ul>	attributes  No Adverse Effect  880 additional jobs, 272 transit operations  \$73.2 million increase in economic output  \$42.4 million increase in household earnings  \$113,500 property tax loss	<ul> <li>No Adverse         Effect</li> <li>880 additional         jobs, 272 transit         operations</li> <li>\$73.2 million         increase in         economic output</li> <li>\$42.4 million         increase in         household         earnings</li> <li>\$113,500         property tax loss</li> </ul>	<ul> <li>No Adverse Effect</li> <li>880 additional jobs, 272 transit operations</li> <li>\$73.2 million increase in economic output</li> <li>\$42.4 million increase in household earnings</li> <li>\$113,500 property tax loss</li> </ul>	<ul> <li>No Adverse Effect</li> <li>880 additional jobs, 272 transit operations</li> <li>\$73.2 million increase in economic output</li> <li>\$42.4 million increase in household earnings</li> <li>\$113,500 property tax loss</li> </ul>

Table ES.7. LRT Alternative Design Options and Impacts Summary

Project Goal/Criteria/Measure	LRT Alternative Design Option 1	LRT Alternative Design Option 2	LRT Alternative Design Option 3	LRT Alternative Design Option 4	LRT Alternative Design Option 5	LRT Alternative Design Option 6
Safety and Security	<ul> <li>No Adverse         Effects with         mitigation</li> <li>Train crossings         would occur with         traffic signals</li> <li>Pedestrian and         motorist gates         and visual and         audible warning         devices would be         provided</li> <li>Stations         will include         monitoring         equipment and         be lighted to         avoid shadows</li> </ul>	<ul><li>No Adverse Effects with mitigation</li><li>Would enhance</li></ul>	<ul> <li>No Adverse Effects with mitigation</li> <li>Would eliminate collisions with trains, LRVs, pedestrians, or motorists at Centinela Ave.</li> <li>Train crossings</li> </ul>	<ul> <li>No Adverse         Effects with         mitigation</li> <li>Train crossings         would occur with         traffic signals</li> <li>Pedestrian and         motorist gates         and visual and         audible warning         devices would be         provided</li> <li>Stations         will include         monitoring         equipment and         be lighted to         avoid shadows</li> </ul>	<ul> <li>No Adverse         Effects with         mitigation</li> <li>Train crossings         would occur with         traffic signals</li> <li>Pedestrian and         motorist gates         and visual and         audible warning         devices would be         provided</li> <li>Stations         will include         monitoring         equipment and         be lighted to         avoid shadows</li> </ul>	<ul> <li>No Adverse Effects with mitigation</li> <li>Would eliminate collisions LRVs,</li> </ul>

Table ES.7. LRT Alternative Design Options and Impacts Summary

	The second of th								
	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative			
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6			
Construction Impacts	• No Adverse	• No Adverse	<ul> <li>No Adverse Effects</li> </ul>	<ul> <li>No Adverse</li> </ul>	<ul> <li>No Adverse</li> </ul>	No Adverse Effects			
	Effects with	Effects with	with mitigation,	Effects with	Effects with	with mitigation,			
	mitigation,	mitigation,	except air quality	mitigation,	mitigation,	except air quality			
	except air quality	except air quality	Temporary	except air quality	except air quality	Temporary			
	<ul> <li>Temporary</li> </ul>	<ul> <li>Temporary</li> </ul>	construction noise,	<ul> <li>Temporary</li> </ul>	<ul> <li>Temporary</li> </ul>	construction			
	construction	construction	vibration, street	construction	construction	noise, vibration,			
	noise, vibration,	noise, vibration,	closures, cars using	noise, vibration,	noise, vibration,	street closures,			
	street closures,	street closures,	neighborhood	street closures,	street closures,	cars using			
	cars using	cars using	streets to avoid	cars using	cars using	neighborhood			
	neighborhood	neighborhood	construction,	neighborhood	neighborhood	streets to avoid			
	streets to avoid	streets to avoid	visible staging areas	streets to avoid	streets to avoid	construction,			
	construction,	construction,	with equipment,	construction,	construction,	visible staging			
	visible staging	visible staging	stockpiles and	visible staging	visible staging	areas with			
	areas with	areas with	concrete barriers,	areas with	areas with	equipment,			
	equipment,	equipment,	increased	equipment,	equipment,	stockpiles and			
	stockpiles and	stockpiles and	emissions, and	stockpiles and	stockpiles and	concrete barriers,			
	concrete barriers,	concrete barriers,	pedestrian and	concrete barriers,	concrete barriers,	increased			
	increased	increased	motor vehicle	increased	increased	emissions, and			
	emissions, and	emissions, and	access, safety, and	emissions, and	emissions, and	pedestrian and			
	pedestrian and	pedestrian and	security effects	pedestrian and	pedestrian and	motor vehicle			
	motor vehicle	motor vehicle	Potential nighttime	motor vehicle	motor vehicle	access, safety, and			
	access, safety,	access, safety,	glare may affect the	access, safety, and	access, safety,	security effects			
	and security	and security	residences located	security effects	and security	Potential			
	effects	effects	along La Colina		effects	nighttime glare			
			Drive			may affect the			
						multi-family			
						residences and			
						other sensitive			
						uses along			
						Crenshaw			
						Boulevard			

Table ES.7. LRT Alternative Design Options and Impacts Summary

Project Goal/Criteria/Measure	LRT Alternative Design Option 1	LRT Alternative Design Option 2	LRT Alternative Design Option 3	LRT Alternative Design Option 4	LRT Alternative Design Option 5	LRT Alternative Design Option 6
Construction Impacts (continued)	<ul> <li>Potential nighttime glare may affect a motel at Century and Aviation Boulevards</li> <li>Increased construction period compared to the LRT Base Alternative</li> </ul>	by nighttime construction lighting Increased construction period compared to the LRT Base Alternative	• Increased construction period compared to the LRT Base Alternative	Potential     nighttime glare     may affect the     multi-family     residences and     motel along     Crenshaw     Boulevard,     south of 60th     Street and     West Angeles     Villas, a senior     living complex     at Crenshaw     Boulevard and     60th Street  Increased     construction     period compared     to the LRT Base     Alternative	Potential nighttime glare may affect the residential and other sensitive uses east of the station     Increased construction period compared to the LRT Base Alternative	• Increased construction period compared to the LRT Base Alternative
Growth Inducing	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect	No Adverse Effect

Table ES.7. LRT Alternative Design Options and Impacts Summary

	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative	LRT Alternative
Project Goal/Criteria/Measure	Design Option 1	Design Option 2	Design Option 3	Design Option 4	Design Option 5	Design Option 6
Cumulative Impacts	• No Adverse	• No Adverse	<ul> <li>No Adverse Effect,</li> </ul>	• No Adverse	• No Adverse	• No Adverse Effect,
	Effect, except air	Effect, except air	except air quality.	Effect, except air	Effect, except air	except air quality.
	quality.	quality.	<ul> <li>Decrease in VMT</li> </ul>	quality.	quality.	• Decrease in VMT
	• Decrease in VMT	• Decrease in VMT	enhances traffic	• Decrease in VMT	• Decrease in VMT	enhances traffic
	enhances traffic	enhances traffic	circulation	enhances traffic	enhances traffic	circulation
	circulation	circulation	<ul> <li>Displacement and</li> </ul>	circulation	circulation	Displacement and
	<ul> <li>Displacement</li> </ul>	Displacement	relocation	<ul> <li>Displacement</li> </ul>	Displacement	relocation
	and relocation	and relocation	<ul> <li>Division of Hyde</li> </ul>	and relocation	and relocation	• Division of Hyde
	• Division of Hyde	• Division of Hyde	Park Community	• Division of Hyde	• Division of Hyde	Park Community
	Park Community	Park Community	• Increase in green	Park Community	Park Community	• Increase in green
	• Increase in green	• Increase in green	house gases	• Increase in green	• Increase in green	house gases
	house gases	house gases	Decrease in energy	house gases	house gases	Decrease in energy
	• Decrease	Decrease	consumption	• Decrease	• Decrease	consumption
	in energy	in energy	_	in energy	in energy	
	consumption	consumption		consumption	consumption	
Environmental Justice	No	No	No Disproportionate	No	No	No Disproportionate
	Disproportionate	Disproportionate	Adverse Effects	Disproportionate	Disproportionate	Adverse Effects
	Adverse Effects	Adverse Effects		Adverse Effects	Adverse Effects	

Source: Parsons Brinckerhoff, 2009

## CRENSHAW TRANSIT CORRIDOR DRAFT EIS/EIR

**Executive Summary** 



Table ES-8 Maintenance and Operations Facilities and Impacts Summary

Project Goal/Criteria/Measure	Maintenance and Operations Facility B	Maintenance and Operations Facility D
Description	Approximately 16.3 acres and bound by 83rd	Approximately 14.8 acres and in close proximity
	Street, Harbor Subdivision right-of-way, and	to the Metro Green Line and bound by the Harbor
	Isis Avenue	Subdivision, a Union Pacific Branch Line and
		Rosecrans Avenue
Environment		Trobecturio i i veride
Land Use and Development		
Regional Land Use	No Adverse Effect	No Adverse Effect
Local Land Use and Development	Consistent	Consistent
Division of Established Community	No Adverse Effect	No Adverse Effect
City of Los Angeles Transportation Policy	Consistent	Consistent
City of Los Angeles General Plan, - Transportation and Land Use	C	Ci
Elements	Consistent	Consistent
County of Los Angeles General Plan	Consistent	Consistent
City of Inglewood General Plan	Consistent	Consistent
City of El Segundo General Plan	Consistent	Consistent
City of Hawthorne General Plan	Consistent	Consistent
City of Los Angeles Municipal Code RAS and Density Bonus	Consistent	Consistent
Ordinance	Consistent	Consistent
West Adams, Baldwin Hills, Leimert Park, Westchester Playa Del Rey	Continue	
and Wilshire Community Plans	Consistent	Consistent
Crenshaw Corridor Specific Plan	Not Applicable	Not Applicable
Park Mile Specific Plan	Not Applicable	Not Applicable
CRA/LA, Mid-City Corridors and Crenshaw and Crenshaw/Slauson	* *	* *
Corridors Redevelopment Projects	Consistent	Consistent
LAX Master Plan	Not Applicable	Not Applicable
Displacements	8 partial parcels	• 10 partial parcels
	• 9 full parcels	• 3 full parcel
Community Cohesion	No Adverse Effect	No Adverse Effect
Visual Quality	No Adverse Effect	No Adverse Effect
Air Quality	Adverse Effect, no mitigation feasible	Adverse Effect, no mitigation feasible
Noise and Vibration	No Adverse Effect	No Adverse Effect
Ecosystems and Biological Resources	No Adverse Effect	No Adverse effect with mitigation. Native trees
, ,		and vegetation removed
Geotechnical/Hazardous Materials	No Adverse Effect with mitigation	No Adverse Effect with mitigation
Water	No Adverse Effect	No Adverse Effect

## CRENSHAW TRANSIT CORRIDOR DRAFT EIS/EIR

**Executive Summary** 

MAINTENANCE AND OP-ERATIONS FACILITIES IM-PACTS SUMMARY

Table ES-8 Maintenance and Operations Facilities and Impacts Summary

Project Goal/Criteria/Measure	Maintenance and Operations Facility B	Maintenance and Operations Facility D
Historic, Archaeological, Paleontological	Potential Adverse Effect to Kaiser Homes'	No Adverse Effect
	production plant from a partial take	
Parklands and Community Facilities	No Adverse Effect	No Adverse Effect
Economic	No Adverse Effect, 17 industrial/commercial	No Adverse Effect, \$72,100 property tax loss
	structures displaced and \$113,500 property tax	
	loss	
Safety and Security	No Adverse Effect	No Adverse Effect
Construction	No Adverse Effect with mitigation	No Adverse Effect with mitigation
Environmental Justice	No Adverse Effect	No Adverse Effect



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility	
Traffic							
Intersection Analysis	No Impact	No Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	No Impact	
Parking	No Impact	No Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	No Impact	No Impact	
Pedestrian/Bicycle Circulation	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact	
Mitigation Measure(s)	(elimina lane for T2 Provide T3 Extend to phase for T4 Prohibit T5 A combinalignmen Property Results R	<ul> <li>Between 48th Street and 60th Street the existing frontage road would be narrowed to provide one travel lane and one parking lane (eliminating parking on the inside lane of the frontage road). Crenshaw Boulevard would be widened to provide a semi-exclusive curb lane for buses, without any loss in northbound and southbound through traffic capacity on Crenshaw Boulevard.</li> <li>Provide a southbound right turn overlap phase on Centinela Avenue or provide a second eastbound left turn lane in Florence Avenue.</li> <li>Extend the Florence Avenue southbound right turn bay by 415 feet, add a southbound right turn overlap phase, and add a protected phase for the westbound left turn movement on Manchester Boulevard.</li> <li>Prohibit northbound and southbound left turns from Crenshaw Boulevard to 54th Street.</li> <li>A combination of the following four basic control approaches shall be recommended by Metro to political jurisdictions along the alignment to reduce impacts of Metro patron parking in neighborhoods:         <ul> <li>Prohibit on-street parking</li> <li>Time-limited parking</li> <li>Resident permit parking</li> <li>Non-resident permits for registered carpools who work in the zone</li> </ul> </li> </ul>					
Land Use							
Division of Established Community	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	
Adopted Plan Consistency	Significant Impact	Significant Impact	No Impact	No Impact	No Impact	No Impact	



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
Surrounding Land Use Compatibility	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	None Required	Н				
Displacements and Relocation	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	<ul> <li>DR1 Metro shall relocate or replace any of the mature palm trees adjacent to the Harbor Subdivision at Edward Vincent Park that require removal as a result of the proposed project. Relocation or replacement shall subject to the approval of the City of Inglewood Parks and Recreation Department.</li> <li>DR2 Metro shall provide relocation assistance and compensation per the Uniform Relocation Assistance and Real Property Acquisition Policies Act and the California Relocation Act to those who are displaced or whose property is acquired as a result of the Crenshaw Transit Corridor Project.</li> </ul>					
Community Cohesion	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impactt	No Impact	No Impact
Mitigation Measure(s)	<ul> <li>CN1 For the aerial LRT structure segment along Crenshaw Boulevard in the Hyde Park neighborhood, design guidelines shall be prepared prior to construction phase of the project. Metro, the City of Los Angeles, and the CRA/LA will coordinate guidelines to integrate the aerial structure with the existing community. These guidelines shall provide for convenient and safe pedestrian access to cross the aerial structure and be compatible with city land use plans and include specific visual features to ensure that the aerial structure would be more consistent with the urban environment.</li> <li>CN2 For the aerial LRT structure segment along Crenshaw Boulevard in the Hyde Park neighborhood, Metro shall conduct community workshops, meetings or similar to obtain input from residents on this alignment segment for Metro's consideration. The public input needed would be regarding the potential visual, engineering, and/or art features of the aerial structure that may improve the visual quality of the area.</li> </ul>					
Visual	No Impact	No Impact t	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	No Impact



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
Mitigation Measure(s)	and adj develop 2008). and its providir V2 At locat system, the user V3 Where replacer V4 Where t graffiti a V5 Source sources areas. V6 In locati compor project V7 Where pof main visual ir V8 Where a plans. V9 For the Park wil V10 Visually the area V11 Street tr vegetation	acent communities, design of the urban design These guidelines includ surrounding communiting street trees, walkways ions where existing land additional landscaping s, but not necessarily to nature trees are removed ment with landscape ame he flexibility in system cond vandalism, and create shielding in exterior light (such as bulbs) would ons where project components will be considered. Components, base relief or cactical and appropriate tenance and other ancil mpact will be minimized appropriate, during prelin continuities and other vegetation on.  It is stabilized.  It is stabilized.	sign of the system static analysis conducted for e, but are not limited to y by implementing art as or sidewalks, lighting, d uses or vegetation is a will be provided within completely screen used due to roadway widening the fitter of equal value shown ponent design is availage a human-scale and people of the provided within the directly visible from the directly designs, and contextual as e, additional landscapical lary facilities. Redevelous directly engineering for the directly devices, such as silt removed to accommodal	and landscaping; and 2) awnings, public art, and removed and neighborin the right-of-way or in rest.  In and/or realignment and public aesthetic treatments destrian friendly environmentalizers and street public activities, such as rom residences and street public and in the public activities, and and street public activities, and and enhanced design and enhanced design appears the proposed project, the syption, screening that is confused to the adverse effects of fences, plastic ground confused and confused activities.	bould follow the recommensors Brinckerhoff and ance the unique cultural in promote a sense of place d/or street furniture.  If you street furniture, go uses are exposed to not mant acquisition parced d/or to accommodate systemate the visual integrity of that reduce glare, enhance ent will be used.  If you want to limit spillover to accommodate system and to limit spillover that reduce glare, enhance ent will be used.  If you want to limit spillover to accommodate systems, and to limit spillover to accommodate systems, and to limit spillover to accommodate systems are sites, will be accommodate to accommodate with the used to be directed towards locating the south-facing view of over, and straw bales should be recomponents should be recomposed.	endations and guidance RAW International, Inc., dentity of each station area te, safety, and walkability by ew views of the bus or transit els to create a buffer between tem components, fithe corridor. te visual character, deter the used to ensure that light r light and glare in residential tive 'showcasing' of project ting, installing texture onto minimize the visual image the grated with area redevelopment grarea and Edward Vincent Jr. fithe trench. ould be removed as soon as eplaced with appropriate sized
Air Quality	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Less-Than-Significant Impact



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility			
Mitigation Measure(s)	No Feasible M	No Feasible Mitigation							
Noise and Vibration	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact			
Mitigation Measure(s)	None Require	d							
Ecosystems and Biological Resources	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact			
Mitigation Measure(s)	suitable shall pre such ha continue be postp  EB2 If constr perman the affec	EB1 Two biological surveys shall be conducted, one 15 days prior and a second 72 hours prior to construction that would remove or disturb suitable nesting habitat. The surveys shall be performed by a biologist with experience conducting breeding bird surveys. The biologist shall prepare survey reports documenting the presence or absence of any protected native bird in the habitat to be removed and any other such habitat within 300 feet of the construction work area (within 500 feet for raptors). If a protected native bird is found, surveys will be continued in order to locate any nests. If an active nest is located, construction within 300 feet of the nest (500 feet for raptor nests) will be postponed until the nest is vacated and juveniles have fledged and when there is no evidence of a second attempt at nesting.							
Geotechnical	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact			



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Buik Alternativ		BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
Mitigation Measure(s)	GEO1 A g tec ope dee des	geotechnical study for propo chnical study shall identify do erational demands. The geo ep excavations are anticipate sign. Mitigation measures to performed before the comn	sed at-grade, aerial, a esign specifications fo otechnical study shall ed to develop mitigat ypically include insta	and below-grade structure or maintaining structural i include a soil-gas investig ion measures to be implei llation of soil gas barriers,	s and improvements shal ntegrity under static and gation at planned below-g mented during constructi	Il be required. This seismic loading and grade structures and where lon and incorporated in the
	GEO2 Co bas ide not (PC sha	nduct a limited Phase II ESA se line soil sampling protoco entified in the Phase I report	A prior to construction of shall be established.  The soil shall be assubdrocarbons (TPH) by drocarbons (PAHs) grading or cut and fill for suspected contains.	n in areas where construct d with special attention to sessed for constituents lik , VOCs, semi-volatile orga , pesticides, lead arsenate ll activities. In addition, in minants prior to dewaterir	those areas of potential e ely to be present in the su inic compounds (SVOCs) es, and Title 22 metals. The areas where groundwate ing. This will ensure that I	environmental concern ubsurface including, but I, polychlorinated biphenyls he depth of the sampling er will be encountered,
	GEO3 A soi sto im scr det for	soil mitigation plan shall be il excavation during construct ockpiled materials, describe ported materials. The soil neened for contamination by tector (PID). Soil samples to suspected chemicals by a Coproved disposal location, and	prepared after final contion. The soil mitigathe the disposition of mainitigation plan shall invisual observations after are suspected of california certified lab	onstruction plans are prep tion plan shall establish s terials that do not satisfy nclude a provision that du and field screening for vola contamination based on fi oratory. If contaminated s	pared showing the lateral oil reuse criteria, establis the reuse criteria, and sporing grading or excavatio atile organic compounds ield observations and PID oil is found, it shall be re	h a sampling plan for ecify guidelines for n activities, soil shall be with a photo ionization preadings shall be analyzed
	GEO5 AF			and debris shall be removed and disposed of in accordance with regulatory gui oped for persons with potential exposure to the constituents of concern identifi		
	GEO6 His ma gro im cor wa	storical and present site usa aterials and/or waste and us bundwater impacts may be p pact the subject property. In ncern or areas of possible co ste drums, tanks, soil staini countered.	ed USTs, from at least present that were not general, observation ontamination such as	it the 1920s to the present identified in this report, o s should be made during , but not limited to, the pr	. It is possible that areas r were considered a low p any future development a resence of underground fo	with soil and/or potential to adversely activities for features of acilities, buried debris,



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility			
	impler gradin facilitie	Best Management Practices (BMPs), required as part of the NPDES permit and application of SCAQMD Rule 403, shall be implemented for the proposed project to not only reduce potential soil erosion, but also to maintain soil stability and integrity during grading, excavation, below grade construction, and installation of foundations for aerial structures, and maintenance and operations facilities. BMPs would comply with applicable Uniform Building Codes and include, but are not limited to, scheduling excavation and grading activities during dry weather, covering stockpiles of excavated soils with tarps or plastic sheeting, and debris traps on drains.							
Water	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact			
Mitigation Measure(s)	where a grease to shall be guidance.  WQ2 The floothat cauthat draitwQ3 A dewatin an url construct hazardo Program respons to develogroundv hazardo contamitwQ4 The stude be inconsystem to effective	potential exists for greeraps, sediment traps, deconstructed pursuant to within the NPDES produced capacity of existing deses ponding or flooding nage is properly converging permit shall be reparted area where potential, the contractor should be a possible for hazardous mation and remediation and reme	ase and oil contaminative tention basins, and/o to guidance published it ogram.  rainage or water convey g during storm events. Yed from the study area tential groundwater or all stop work in the vicind maintenance hazard Angeles Fire Departmeerials or waste incident in and remediation plant being discharged to the coording to local, state, in).  indirectly to Ballona Crat design. The project sof pollutants to the main and wet weather flows	on to flow into storm dread the control of the Cless of t	ains. Various types of dite used to control possible an Water Act and shall for exproject study corridor seshall be developed during an adjacent proposed in the footnaminated groundword on off the area, and Metro and immediately expressed in the contractor shall proposed for the contractor shall proposed in the contractor shall be contractor shall be contractor shall be contractor. The systems shall be contracticable. A SUSMP and the contractor shall be contractored in the contractored	hall not be reduced in a way ng project design to ensure erties.  proposed project is located ater is encountered during contact the appropriate notify the Certified Unified Los Angeles RWQCB) nall be initiated immediately vironment. Contaminated perly treat or dispose of any ils on potential groundwater eatment control BMPs shall es or in a complimentary designed to efficiently and			



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
Energy	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	None Required					
Historic, Archaeological, Paleontological	No Impact	Less-Than- Significant Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact
Mitigation Measure(s)	No new surfic within archae from e the dis the massurfact within buried monite Archae archae bone—until a Treatm throug qualificultura discov	the proposed project be cological reconnaissance existing roads, railroad sturbed land surface. Of the 19 previous of the past eight years an archaeological deposition by a qualified archaeologist has at least a Beologist). If buried cultipare inadvertently discontained archaeologist archaeologist has at least a Beologist). If buried cultipare inadvertently discontained archaeologist determined archaeologist determined archaeologist determined archaeologist determined during constructions.	coundaries have been described alignments and landscaped there is the cultural resource studies and the sporadic coverage and the sporadic covered during grounded to can assess the signification include development of the sporadic coverage and the sediment of the sporadic coverage and the sporadic cov	eveloped and no surficial of the project area is devape vegetation. However, one was identified elevate potential for buried are so conducted within the ponly three cover portion er of cultural resource structed for the entire project is recommended during and experiences flaked or ground stone is turbing activities, work ance of the find and, if now favoidance strategies, cor detailed documentations being excavated are precify that monitoring be uction contractor will veriences.	r, shallow archaeological yen feet below the surfac chaeological deposits be proposed project area, or us of the linear project rocudies of the proposed priect area during all groung initial ground disturble, and is supervised by it, historic debris, building will stop in that area an accessary, develop appropagation. If during cultural reserviously disturbed or un reduced or eliminated.	ere observed during the il, industrial) and disturbed deposits may exist beneath e; therefore, even with neath the developed land ally nine were conducted ute. Due to the potential for roject route, archaeological addisturbing activities. Fance (a qualified as a registered professional groundations, or non-human and within 100 feet of the find priate treatment measures. For mitigation of impacts cources monitoring the allikely to contain significant

Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	project ground or non 100 fee treatm or miti resour or unli elimin: Addition survey, uncover if hum occur is must he prescri if Native to the American treating 5097.9 24 house the properties of the properties o	route, archaeological disturbing activities. Inhuman bone—are inact of the find until a quent measures. Treatm gation of impacts throces monitoring the quakely to contain significated.  In ally, there remain two Historic boundaries dering burial sites during an remains are exposed until the County Coroneralt in the area of the disbed by law. If the coroneral and in the area of the disbed by law. If the coroneral in the area of the disbed by law. If the coroneral in the area of the disbed by law. If the coroneral in the area of the disbed by law. If the coroneral in the area of the disbed by law. If the coroneral in the area of the disbed by law. If the coroneral in the project in the NAHC is unabled in the project proponent will det is recommendation, the project tion of Native American Enginentary Boulevard mentation of the building for review and approved the supposed the project was an approved the project was a project p	monitoring by a qualified If buried cultural resound vertently discovered dalified archaeologist carent measures typically in ugh data recovery progralified archaeologist detaint cultural materials, the organism of the Inglewood Park Cog construction activities during construction, Stare has made the necessary covery of human remainer determines the remainer determines the remainmains are discovered dumerican burials that are acavation or disturbance mmendation to the land uman remains and any able to identify a most like by the Commission. In coermine a course of action to be implemented expediancheologist and the programment of th	ed archaeologist shall be rees—such as flaked or uring ground-disturbing assess the significance include development of a rams such as excavation ermines that the sediment qualified archaeologism that parcels to be surveyed emetery need to be resedued in the area must be protected findings as to origin and as, the area must be protected in the project construction and the purisdiction of shall take place until: the owner or the person responsible to the consultation with the most in regarding preservation tiously. If a most likely descendent or the desconsultation—century leads to the cocumentation—Century leads to the cocumentation—Century leads to the cocumentation—Century leads to the submitted to the cocumentation—Century leads to the cocume	gactivities, work shall stop of the find and, if necess avoidance strategies, cap or detailed documentation of the strategies of the find and, if necess avoidance strategies, cap or detailed documentation of the strategies of th	project area during all bris, building foundations, p in that area and within ary, develop appropriate ping with fill material, on. If during cultural previously disturbed coring be reduced or at the time of this current the to the potential for the tone further disturbance shall RC 5097.98. Construction treatment should occur as the NAHC. Imply with state laws relating (1097). For remains of Native of the deceased Native in work regarding means of a provided in the PRC Section commendation within roject archaeologist and merican human remains, ted or does not make a regarding preservation or



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	Althou where to stop accord locatio	historic buildings are in the settlement before ance with the Secretarns: partment of Water and by Company Department Staverick's Flat – 4225 Company Comp	t to cut-and-cover constinctose proximity to cut- e damage to historic builty of the Interior's Standard Power – 4030 Crenshavent Store – 4005 Crenshavent Store – 4101 Crenshawent Boulevard Loan – 4401 Crenshaweial Buildings.  In onitor shall monitor alledefined as all areas with ing, cut-and-cover constimonitor shall retain the were previously disturbed present or, if present, and the monitor shall be equity of the monitor shall be equity of the programed of the program funeral Home at 3886 Crevial ing and its setting, and their comments imparts of the program and the	and-cover construction. dings occurs. If historicards. Monitoring of potentials and soulevard w Boulevard Boulevard  excavation in areas identification, deep footings). option to reduce monity. Monitoring may also re determined by qualification, the point of identification are point of identification. The point of identification is practically brates. Specimens share ort of findings, with an action mitigate impacts on puenshaw Boulevard shall Consultation with a qual	If settlement is detected buildings are damaged, ential settlement shall be stiffed as likely to contain a Transit Corridor where extering if, in his or her provide paleontological person and samples of sedimenter equipment to allow reon and permanent present be curated into a professappended itemized inventoaleontological resources be designed and/or set blified architectural historical	paleontological resources accavation would exceed 5 fessional opinion, the fially fossiliferous units, annel to have a low potential atts as they are unearthed to moval of abundant or large evation, including washing assional, accredited museum tory of specimens, shall be in



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	The L shall le archit given CR7 HABS The b location to a si HABS Docui Engin drawin signifi provice archit while metho of field A qua buildi The ac reused signifi withou If an a then t	be designed to minimize ectural historian or historian according to HABS solitable repository, such standards as the follow mentation define the properties of the site or structure, engineering and creating a comprehension of the site or structure, engineering and creating a comprehension of the site or structure, engineering and creating a comprehension of the Kaiser Homel and the site of the	at the Century Lounge ( e the permanent visual oric preservation archites, comment, and apprend Adaptive ReuseKais I the Kaiser Homes Prostandards, reviewed and as the Los Angeles Pubving: The Secretary of toducts acceptable for indistoric American Landard white photographs of the comment	formerly Carolina Lanes effect on the historic busect shall be conducted a oval.  For Homes Production Pladuction Plant shall be plad approved by SHPO, an olic Library. The National the Interior's Standards and written histories. The interior of the Hardinge standards and written histories. The verifiable, has archival stagent the standards. Most in ensure the documentation esite or structure. They need layout, photographication architect shall preper that would incorporate of for review and approvation or standards, then the lings to be altered in account of the project objective the project objective disignificant under CEQA	ilding and its setting. Cond their comments implements implements and document distribution of the resulting document. I Park Service's website, and Guidelines for Archit Documentation Programs collections in the Library They require that the document ability, and is clear and comportantly, they outline a conwill meet the Secreta also provide recomments of paper and negative preserved and adaptive reuse plane and adap	tation shall be donated www.nps.gov, defines the tectural and Engineering ins (HABS/Historic American of Congress as measured tumentation captures the oncise. "The Guidelines in approach to historic ry of the Interior's Standards dations on research paration, and the disposition an for the extant significant project re-use of the site. It buildings are adaptively mitigated to less than ry of the Interior's Standards reffects on historic properties,
Parklands and Community Facilities	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	None Require	d				



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
Economic	No Impact	Less-Than- Significant Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	None Required	None Required				
Safety and Security	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Mitigation Measure(s)	ssa All sta faciliti ssa Metro the LA ssa The st favora groun. ssa Metro ensure ssa Traffic These ssa To dis provid	egular basis.  shall implement a secusecurity or other local itions shall be lit to startes shall be well illuminates shall coordinate and coux. Police to develop safation design shall not it ble to crime; pedestriared-level with clear sight is shall monitor pedestriates pedestrian crossing satistical shall determine a dewarning measures, such markings will be provided courage crossing the alle fencing along either started.	urity plan for BRT and Lipurisdiction security periodards that minimize shated. Onsult with the LAPD, to ety and security plans for include design elements of access to at-grade, be lines.  an crossing activity at a afety, as determined by dialong hasis for warning of the standard by the standard properties of the alignment at other locations in the plantary of the alignment, but in the plantary of the plan	RT operations. The plantsonnel. Inadows and all pedestriated he LA County Sheriff's Door the alignment, parking that obstruct visibility colow-grade, and above-grade.  Il locations with adjacen the CPUC. In art of Final Design, using devices as required by the provided along the length of significant pedestrian area ons near the Faithful Ceretween the parking lot a	n shall include both in-can pathways leading to/fine partment, the Inglewood gracilities, and station a probservation nor provide ade station entrances/exit schools and implement ground station and implement ground station entrances of the patforms of the patforms of the patforms of the patform and entral Bible Church and end church buildings.	de discrete locations (its shall be accessible at t appropriate measures to as a reference. The Hazard ies Commission. BRT and LRT Stations. hhance safety, Metro shall
Construction (All Except AQ)	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Air Quality	No Impact	No Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

	No-Build		ppr all st		LRT with Design	Maintenance and				
Project Goal/Criteria/Measure	Alternative	TSM Alternative	BRT Alternative	LRT Alternative	Options	Operations Facility				
Mitigation Measure(s)	CON1 Visually obtrusive erosion control devices, such as silt fences, plastic ground cover, and straw bales should be removed as soon as the area is stabilized.									
		ckpile areas should be loc I businesses.	ated in less visibly sensi	tive areas and, whenever p	oossible, not be visible from	n the road or to residents				
	CON3 During nighttime construction activities, lighting shall be aimed at the downward and away from residential and other sensit adjacent to the alignment and stations.									
		· · · · · · · · · · · · · · · · · · ·								
						conclusion of each workday.				
	CON6 Co	ntractors shall be required	to utilize at least one of	the measures set forth in		anagement District Rule 403				
	CON7 All	haul trucks hauling soil, sa				n accordance with California				
		nicle Code Section 23114.								
		•	and, and other loose ma	terials shall be covered (e.	g., with tarps or other encl	osures that would reduce				
		itive dust emissions).								
		ffic speeds on unpaved ro			1					
				when winds exceed 25 mp						
				ing first and second stage						
	CON12 On-site stockpiles of debris, dirt, or rusty materials shall be covered or watered at least two times per day.									
		4 Contractors shall utilize electricity from power poles rather than temporary diesel or gasoline generators, as feasible.								
					n on- and off-site.					
		nstruction parking shall be								
					ed to off-peak hours, as fea					
				nent, natural and artificial Iding against construction	barriers, such as ground e noise.	levation changes and				
		ise barriers shall be constr v for traffic mitigation.	ructed during the initial s	stages to reduce potential	adverse construction nois	e effects along the right-of-				
			vith Standard Specificati	ons and all local sound co	ontrol and noise level rules	regulations, and				
					ternal combustion engine					
	the	job or related to the job sl	hall be equipped with a i		ended by the manufacturer					
		ine shall be operated with				<b></b>				
				mited to daytime hours wl Nighttime construction sh	nen most people normally Iall require a variance.	affected are either not				



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternativ		BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	th so ac o	iat stored hazardous mater oil and/or groundwater adv	ials and/or waste and use erse effects may be prese property. In general, obse ble contamination such as	ed USTs, from at least the nt that were not identified ervations should be made s, but not limited to, the p	1920s to the present. It is d in this report, or were co during any future develop presence of underground f	prisidered a low potential to prient activities for features facilities, buried debris,
		pon selection of a mainten nd if necessary, a Phase II E				potential soil contamination,
	CON30 D ex tr	uring project construction, kists for grease and oil cont aps, detention basins, and,	remediation should be re amination to flow into sto or temporary dikes may l	equired at maintenance fa orm drains. Various types pe used to control possib	icilities and vehicle storag of ditch structures, incluc le pollutants. These faciliti	ding grease traps, sediment
	P sl	dewatering permit is requiotential groundwater contanall stop work in the vicinity anintenance hazardous spilf Los Angeles Fire Department the appropriate regulates pedited protection of publications.	red due to the high groun mination may exist. If co or of the suspect find, cord I coordinator at Metro anent, and Los Angeles RW ory agencies will be initiatic health and environmen r shall properly treat or di	dwater table. The propo- ntaminated groundwater on off the area, and conta d immediately notify the QCB) responsible for haz ed immediately to develo t. Contaminated ground- spose of any hazardous of	sed project is located in ar is encountered during con act the appropriate hazard Certified Unified Program cardous materials or waster p an investigation plan an water is prohibited from b or toxic materials, accordir	n urbanized area where nstruction, the contractor lous waste coordinator and Agencies (LAFD, County e incidents. Coordination
	CON32 Tire to	he project site currently dra acorporated into the project o increase the control of pol	ins indirectly to Ballona C design. The project shal lutants to the maximum weather flows to the max	Treek and Dominguez Cre I consider placing the tre extent practicable. The sy kimum extent practicable.	ek through the MS4. Trea atment BMPs in series or østems shall be designed t	atment control BMPs shall be in a complimentary system to efficiently and effectively ate drainage control plan shall



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternativ		BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	h. If ir q d q a th If la C c a t t h	Archaeological monitoring by a qualified archaeologist shall be conducted during initial ground disturbance (a qualified a has at least a Bachelor's degree in anthropology and experience, and is supervised by is a registered professional archaeoly of the cultural resources—such as flaked or ground stone, historic debris, building foundations, or non-human bone-inadvertently discovered during ground-disturbing activities, work shall stop in that area and within 100 feet of the find u qualified archaeologist can assess the significance of the find and, if necessary, develop appropriate treatment measures measures typically include: development of avoidance strategies, capping with fill material, or mitigation of impacts thro recovery programs such as excavation or detailed documentation. If during cultural resources monitoring the qualified a determines that the sediments being excavated are previously disturbed or unlikely to contain significant cultural materia qualified archaeologist can specify that monitoring be reduced or eliminated. If cultural resources are discovered during activities, the construction contractor shall verify that work is halted until appropriate site-specific treatment measures—those listed above—are implemented.  If human remains of Native American origin are discovered during ground-disturbing activities, it is necessary to comply laws relating to the disposition of Native American burials that fall within the jurisdiction of the California Native American Commission (PRC Section 5097). According to California Health and Safety Code, six or more human burials at one local constitute a cemetery (Section 8100), and disturbance of Native American cemeteries is a felony (Section 7052). Section requires that excavation be stopped in the vicinity of discovered human remains until the coroner must contact the California Heritage Commission to determine the most likely living descendant(s). The most likely living descendant shather most appropriate means of treating the human remains and any				
	st	ocumentation of the Centu tandards shall be prepared, ngeles Public Library. The	submitted to SHPO for	review and approval, and o	donated to a suitable repo	sitory, such as the Los
	w tł	May Company Depart Broadway Department Maverick's Flat - 4225	in close proximity to cut- ge to historic buildings of prior's Standards. Monito and Power – 4030 Crens ment Store (now Macy's Store (now WalMart) – Crenshaw Boulevard and Loan (now Chase	and-cover construction. If ccurs. If historic buildings oring of potential settleme	f settlement is detected, st are damaged, they shall b nt shall be undertaken at t evard rd	eps shall be taken to stop e repaired in accordance



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

	No-Build	QA Determination in	,	8	LRT with Design	Maintenance and
Project Goal/Criteria/Measure	Alternative	TSM Alternative	BRT Alternative	LRT Alternative	Options	Operations Facility
	5 f tun Th be de res de sp sm ret	reet. These areas are defined hand boring, cut-and-cover the qualified paleontological ing monitored were previous fribed, are not present on sources. The monitor shall alays and shall be empower ecimens shall be prepared hall invertebrates and vertetrievable operation. A repo	ed as all areas within the construction, deep foot monitor shall retain the usly disturbed. Monito if present, are determined be equipped to salvaged to temporarily halt of to a point of identification brates. Specimens shart of findings, with an a	e Crenshaw Transit Corrido ings.) e option to reduce monitor ring may also be reduced in ned by qualified paleontologe fossils and samples of se or divert equipment to allow ion and permanent present ll be curated into a profess ppended itemized invento	or where excavation would ring if, in his or her profess f the potentially fossilifero ogical personnel to have a idiments as they are unear or removal of abundant or low vation, including washing ional, accredited museum	low potential to contain fossil thed to avoid construction arge specimens. Recovered of sediments to recover repository with permanent
	CON37 Th eff sh	mpletion of the program to be TPSS near the Angelus F fect on the historic building all be conducted and their r review, comment, and ap	uneral Home at 3886 C and its setting. Consu comments implemente	renshaw Boulevard shall b Itation with a qualified arcl	nitectural historian or histo	
	CON38 Th de his	e LRT and BRT station(s) assigned to minimize the pe	at the Century Lounge (t rmanent visual effect or tion architect shall be co	the historic building and	its setting. Consultation v	st Century Boulevard shall be with a qualified architectural will be given an opportunity
	CON39 Ne	earby business owners and tivities, changes in traffic fl	commercial property o			anned construction
	CON40 Ge		ded to local governmen			nizations of the schedule for
		ethods shall be developed mitigation measures durin				ivities and the effectiveness fects.
	CON42 Ad	Ivance notice shall be provi ajor utility shut-offs during	ded to affected propert low-use periods of the	y owners if utilities would l day.	be disrupted for short peri	ods of time and scheduled
	CON44 Pu CON45 An	onstruction activities shall bublic information campaign Blic information campaign Blic Educational safety awarer Blich provide information to	s shall be conducted to less program shall be ir	encourage patronage of constituted at schools adjace	orridor businesses during nt to construction activity	



Table ES.9. CEQA Determination Impact Summary With Mitigation Measures

Project Goal/Criteria/Measure	No-Build Alternative	TSM Alternative	BRT Alternative	LRT Alternative	LRT with Design Options	Maintenance and Operations Facility
	con47 Met	ificant LEP population, s	ignage shall be provided for temporary signage a	d in various languages (as nd advertising during con	appropriate).	construction. Where there is a ses that are partially blocked
Growth Inducing	No Impact	No Impact	No Impact	No Impact	No Impact	No Impact
Mitigation Measure(s)	None Required	ł				
Cumulative Impacts (All Except AQ)	No Impact	No Impact	Less-Than- Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact	Less-Than-Significant Impact
Air Quality	No Impact	No Impact	Less-Than- Significant Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact	Significant and Unavoidable Impact
Mitigation Measure(s)	No Feasible Mitigation					

Source: TAHA, 2009