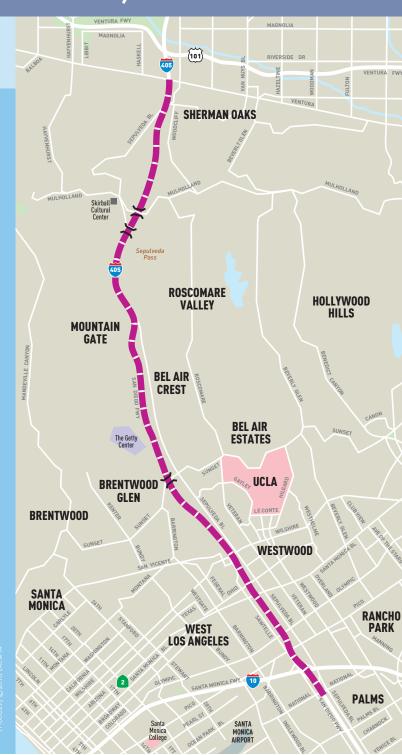


I-405 Sepulveda Pass Improvements Project

MONTHLY PROJECT STATUS REPORT







INTERSTATE 405 SEPULVEDA PASS IMPROVEMENTS PROJECT

MONTHLY PROJECT STATUS REPORT

THE PREPARATION OF THIS DOCUMENT HAS BEEN FINANCED IN PART THROUGH GRANTS FROM THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) AND THE AMERICAN RECOVERY AND REINVESTMENT ACT (ARRA) AND FUNDS FROM THE STATE OF CALIFORNIA.

APRIL 2014

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PROJECT SUMMARY

LOCATION: I-405 Sepulveda Pa	ss Improveme	nts Project		CONSTRUCTION MANAGEMENT CONSULTANT: Stantec					
DESIGN/CONSULTANT: Kiewit	(D/B)			CONTRACTOR: Kiewit (D/B)					
PROJECT PHOTO				WORK COMPLETED PAST MONTH					
I-405 Freeway Looking South Fr	rom Skirball B	ridge		- Segment 1 Formal Walkthrough Co - SB I-405 from Getty Center Drive t Overhead Sign Installation, and Rest - NB I-405 from National Blvd. to Wil - NB I-405 from Getty Center Drive to - Wilshire Blvd. and Sepulveda Blvd. - NB I-405 from I-10 to Santa Monica	o Santa Monica ripe Lanes Cor shire Blvd. Res o Greenleaf St. Intersection Re	mpleted. tripe Lanes Overhead s epaving is s	Complete. Signs Installed. tarted.		
EXPENDITURE STATUS				SCHEDULE ASSESSMENT					
(\$ In Millions)									
ACTIVITIES	CURRENT BUDGET	EXPENDED AMOUNT	PERCENT EXPENDED	MAJOR SCHEDULE ACTIVITIES	PRIOR PLAN	CURRENT PLAN	VARIANCE WEEKS		
				Environmental					
DESIGN (Preliminary)	\$47.0	\$47.0	100.0%	End Environmental Phase (PA&ED)	Mar-08	Mar-08	Complete		
(PA&ED/PS&E)	\$108.7	\$71.6	66%						
RIGHT-OF-WAY (Capital/Support/3rd Party)									
CONSTRUCTION (Construction Support/Construction)	\$904.4	\$847.1	94%	Design	D : . 40	L 44	00		
Reversible Lane	\$2.6	\$1.5	58%	End Design Support Phase (D/B)	Dec-13	Jun-14	26		
Contingency	\$78.7	\$0.0	0%						
TOTAL	\$1,141.4	\$967.2	85%						
				Right-of-Way					
				ROW Certification	Dec-13	Jun-14	26		
AREAS OF CONCERN									
Global Maintenance of Traffic				Construction					
Bridge 21 Skirball Center Drive - \	Nildlife Crossin	g		Opening of NB HOV Lane	May-14	May-14	0		
Fact Sheet Approval by Caltrans				Substantial Completion	Aug-14	Aug-14	0		
ROW ACQUISITION (Caltrans)	PLAN	ACQUIRED	REMAINING	CRITICAL ACTIVITIES / 3 MONTH L	OOK AHEAD				
				Area 4 Sunset - Permanent Delineation		- May 2014			
PERMANENT PARCELS	14	8	6	NB HOV Lane Open to Traffic - May 2	2014				
				Area 4 Sunset - Permanent Delineation	on of Sepulved	a Blvd Ma	y 2014		
TEMPORARY PARCELS	27	20	7	Bridge 21 Skirball Center Dr. Bridge 0	Completed - Ma	ay 2014			
TOTAL PARCELS	41	28	13	Area 7 Valley Vista - Substantial Com	pletion - June	2014			

PROJECT OVERVIEW & STATUS

The I-405 Sepulveda Pass Improvements Project will add a 10-mile HOV lane and improve supporting infrastructure such as ramps, bridges, and soundwalls on the San Diego Freeway (I-405); while widening lanes from the Santa Monica Freeway (I-10) to Ventura Freeway (U.S. 101). This project will reduce existing and forecasted traffic congestion on the I-405 and enhance traffic operations by adding freeway capacity in an area that experiences heavy congestion. In addition to these modifications, the project will improve both existing and future mobility and enhance safety throughout the corridor. Project benefits include a decrease in commuter time, reduce air pollution, and promote ridesharing. The I-405 Sepulveda Pass Improvements Project features include:

- Add a 10-mile HOV lane on the northbound I-405 between the I-10 and US-101 freeways
- Remove and replace the Skirball Center, Sunset Blvd. and Mulholland Dr. Bridges
- Realign 20 on and off ramps
- Widen 20 existing overpasses and structures
- Construct approximately 18 miles of retaining walls and soundwalls

Interstate 405 (I-405), also known as the San Diego Freeway, is a north/south route classified as an interstate/interregional loop freeway. It is part of the National Highway System (NHS), originating at the I-5 in Orange County in the City of Irvine and terminating at the I-5 in Los Angeles County, in the City of Los Angeles near the community of Mission Hills.

The design-build contract Notice to Proceed (NTP) was issued on June 2, 2009 with a Substantial Completion Deadline of May 31, 2013. Currently, the substantial completion is expected to occur in August 2014.

Opening of HOV

The Project, for purposes of opening HOV, is complete with Segment 1 NB direction. Segments 2 and 3 are making significant progress towards opening NB HOV lane and ramps in May 2014.

Claims

In regards to Kiewit's Claim 86, Metro has informed the DRB that Metro does not believe this claim is proper for hearing by the DRB for the basic reason that the claim is not allowed by the contract because it is not a discrete event or impact with supporting documentation to understand the nature of the impact, whether for quantum or impact to schedule.

At this time, Metro will continue to resolve claims with Kiewit through several methods; (1) We will determine merit and negotiate without utilizing the DRB process; (2) We will work with Kiewit using the DRB process and if this does not work, Kiewit can ask for relief through Metro management to hear these claims at higher levels.

Documentation of Kiewit claims or payment issues have been difficult, at best, with many confusing or unsubstantiated lists being proffered as accurate when in fact they created more distrust than understanding. Kiewit is summarizing these lists differently and both sides will start to benefit from renewed effort to understand what Kiewit's complaints are; Merit, payment or a dispute category.

PROJECT OVERVIEW & STATUS (Cont'd)

DRB Claims Schedule

Two claims will be heard by DRB in May2014:

- 1) Mulholland acceleration Quantum \$4.2M
- 2) Dissipater Merit and Quantum \$5.5M

Three claims will be heard in June 2014:

- 1) Signalization and Battery Backup Systems Merit and Quantum \$29.4M
- 2) Walls 1720/1730/1746 Quantum \$9M

Remaining claims include numerous small ones which we do not have hearing schedule for but expect to hear in July through November 2014. Currently, we are working on pre-DRB process to resolve these claims prior to DRB hearings.

Cost Forecasting

Project sees two key areas of cost increase:

- 1) Labor from Caltrans, Metro, Consultant, and City. This is being caused by delay and keeping staff onboard longer than anticipated. In addition, Caltrans has been charging significant amount of hours for some time which has little to do with delay but their interpretation of what is needed to do Independent Quality Assurance.
- 2) Claims The Contractor has always had Potential Impact letters and have reserved their right to claim areas of the work; they have, to this point, not given us an idea of what they would do with some of these claims. For example, the Signalization claim noted above was rejected 3.5 years ago with no action by Kiewit until 6 months ago. Therefore, Metro adjusted our recent forecast cost-to-complete based on Kiewit's latest indication that they would like to hear almost all claims at DRB.
- 3) ROW capital is billed by Caltrans to the Feds and is reported to Metro after the fact. This is going over budget according to Caltrans documentation of billing to the Feds. Metro is reconciling parcels to billing to verify this cost increase. The permanent parcels appear to be complete except for 1, Temporary parcel are in the range of 6 or 7 left but these are not nearly as costly.

Forecasting costs for labor is real and we expect the cost of the project to increase with little control over these costs as they are associated with an impact. ROW is being verified by Metro and the control of this is in Caltrans authority to administer, where metro can only verify that these costs are appropriate. The costs of Claims are dependent on Kiewit requesting a hearing and the outcome of those hearings. The swing on these issues is significant (\$46.4M) and we expect over the next two months a significant dollar amount of claims will be resolved.

Cost Recovery

I-405 Team is putting together a list of issues that are considered improvements, excessive mitigations, or just requests from Caltrans, City, and County Agencies that contributed to the LOP Budget increase. Some of these are well documented, some are not. Examples include the Getty work and ramp improvements (Caltrans), widening of Sepulveda and slide repairs at Sepulveda and Homedale (City), and turn pocket SB Sepulveda at Wilshire (County).

MANAGEMENT ISSUES

Concern No. 1: Align I-405 Closer to the Getty Parking Structure (96" MWD Waterline)

Mitigation of North Canyon road is in process. Bids were received from Status/Action only one (1) bidder out of six (6) potential bidders with a value about \$7M higher than Metro's estimate. Something appears to be out of sorts – only one bidder with a very high value. Metro has met with Caltrans ROW/Legal and Metro Legal to determine another approach to completing this work, and several plans have been discussed; Pay Getty to self-perform or have Caltrans issue a contract to complete these activities. Additionally, Metro is meeting with Kiewit to try to come to a resolution. As of this report, Getty has stated that they will not selfperform the work, and Caltrans has indicated that they will not remove a large stockpile of material that they claim does not belong to Caltrans. Metro is running out of viable options dealing with these issues and the five groups that have many complaints about each other. Metro sent both Caltrans and Getty a letter asking them to remove the stockpile by March 15, 2014 which did not happen. Metro will remove the material and bill both Getty and Caltrans half the expenses each. In regards to the remaining work in North Canyon area, a meeting was held with Kiewit on March 26, 2014 to discuss the scope of work. The Project provided Kiewit with verbal direction that the work would be done on a Time and Material (T&M) basis with change orders forthcoming.

Concern No. 2: Provisional Sums

Status/Action There is a significant cost increase in Provisional Sums caused by unknown utility conflicts at bid time. Currently, Project is reviewing Utility scopes to verify their accuracy and identify other issues, such as future changes, that could impact the project later. In addition, the Project is actively pushing Kiewit to forward-price all relocations and stop Time and Material (T&M), except in emergency type situations. Kiewit has exceeded original estimates by double in some cases which has made resolution difficult, but Project is working the issue with Kiewit. Kiewit brings up unsubstantiated Provisional Sum costs at Executive Partnering sessions. Exceeding T&M estimates and lack of timely requests for reimbursement are areas that impact Kiewit and Metro. Without details, Project is left with few options, but to wait on information and keep working with Kiewit to resolve the issues.

Concern No. 3: Project Cost and Schedule Reassessment

<u>Status/Action</u> The current Life-of-Project (LOP) budget stands at \$1,141.4million. As stated earlier in this report, Claim 86 is outside this discussion, and currently, Project has no way of knowing if any of Claim 86 has merit. Additionally, as noted earlier, Kiewit has been referring to other claims which Project is not aware of, has no idea if they are related to the already denied for merit, or if they are legitimate and could have impact on LOP budget. Recent cost analysis has shown upward pressure on the budget in a number of areas. Project has initiated weekly meetings to establish resolution for this issue.

MANAGEMENT ISSUES (Cont'd)

Concern No. 4: Giro Lawsuit

<u>Status/Action</u> Caltrans latest Geometric reviewer has requested that striping on these ramps be modified after the Project had plans ready to build. We are working to resolve this without modification.

Concern No. 5: Landscaping

<u>Status/Action</u> The Project and other Agencies are resolving the tree planting issue for the Project. City and Caltrans have agreed to landscaping, but the mitigation of trees is not resolved. City/Caltrans/Metro are working on this issue.

Concern No. 6: Commercial Issues

<u>Status/Action</u> Kiewit and Metro have many complaints on commercial issues. Currently, the Project is working on addressing final lists of issues to avoid unnecessary complaints and focus on list of unresolved issues.

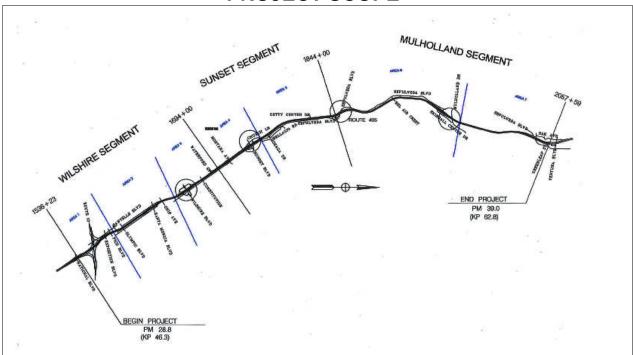
Concern No. 7: Caltrans Staff and Real Estate Cost

<u>Status/Action</u> Recent cost analysis has shown a cost overrun for Caltrans staff budget cost and a potential overrun of ROW cost. Caltrans staff costs have been brought up to Caltrans Executive Management in the past and Caltrans has informed Metro on every occasion that staff charges are appropriate. These overruns are ongoing issues and Project is looking for viable solutions to resolve these issues. Project is also re-assessing related potential cost increases.

Concern No. 8: Potential Increases to Staffing Costs

<u>Status/Action</u> Delays to the project schedule are potentially expected to increase staffing costs. Studies are underway to forecast the remaining staffing costs based on revised staff demobilization plan.

PROJECT SCOPE



The I-405 Sepulveda Pass Improvements Project is a Design-Build contract to add a 10-mile High Occupancy Vehicle (HOV) lane on the northbound San Diego Freeway (I-405) between the Santa Monica (I-10) and Ventura (US 101) Freeways. The purpose of the project is to reduce congestion by adding the HOV lane and closing the HOV gap, which will provide a continuous HOV lane from the Orange County Line to the I-405/US-101 interchange. The scope entails an 11-foot half median, one 12-foot HOV lane, a 1-foot HOV buffer, five 12-foot mixed-flow lanes (six 12-foot mixed-flow lanes between Mulholland Bridge and Valley Vista), and a 10-foot outside shoulder.

Most of the freeway widening required for this project occurs along the east side of I-405 along Sepulveda Blvd. between Montana Ave. and Moraga Dr. and between Getty Center Drive and the northbound Getty Center off-ramp. Sepulveda Blvd. is going to be slightly realigned at the relocated southbound I-405 Skirball Center Drive on/off-ramps in order to add a dual-left-turn lane to the on-ramp.

Some freeway widening also occurs along the west side of the freeway between Olympic Blvd. and Waterford Street, and between Bel Air Crest to just north of Ventura Blvd. This entails NB and SB lanes and shoulder standardization.

In order to reduce accidents associated with traffic on the ramps, project scope includes several interchange improvements as detailed below:

PROJECT SCOPE

• Wilshire Blvd. interchange in both directions

The northbound on-ramp from eastbound Wilshire Blvd. is grade-separated from the northbound off-ramp to westbound Wilshire Blvd. and from Sepulveda Blvd. The southbound off-ramp to eastbound Wilshire Blvd. is grade-separated from the southbound off-ramp to westbound Wilshire Blvd.

• Northbound I-405 Sunset Blvd. interchange

The northbound I-405 off-ramp to eastbound Sunset Blvd. is widened to include one more lane. Two exclusive 12-foot lanes on the reconstructed Sunset Blvd. overcrossing and two 12-foot lanes on the on-ramp are provided for the northbound I-405 on-ramp from eastbound Sunset Blvd. In the eastbound direction three 12-foot lanes and in the westbound direction three 11-foot lanes are provided which solves the existing reduction from three lanes to two lanes in the eastbound direction. In both directions, 4-foot shoulders and 5-foot sidewalks as well as a 13-foot median are provided on the Sunset Blvd. overcrossing.

- The irregular northbound I-405 on/off-hook ramps at the Getty Center interchange are reconfigured to a standard diamond interchange to increase stopping sight distances in order to improve safety.
- The southbound I-405 Skirball Center Drive interchange is relocated to form a "T" intersection with Sepulveda Blvd. This eliminates the existing intersection at Skirball Off-Ramp and Skirball Center Drive.
- The southbound Valley Vista On and Off Ramps are realigned due to freeway
 widening and freeway mainline realignment between SB Valley Vista On/Off
 Ramps. The realignment will improve the stopping sight distance for the SB Valley
 Vista Off-Ramp. A third lane will be added to the SB Valley Vista On-Ramp to
 increase the ramp capacity.
- A second NB lane will be added on Skirball Center Drive between the Skirball Bridge and NB Skirball ramps.
- A NB auxiliary lane and bike lanes will be added on Sepulveda Blvd. on each direction, between the new SB Skirball ramps and Skirball Bridge.

A total of 12 soundwalls and 54 retaining walls within the project limits are constructed at embankments where right-of-way is constrained.

A total of 12 undercrossings within the project limits are widened. Three overcrossings at Sunset Boulevard, Skirball Center Drive, and Mulholland Drive are replaced.

KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD

	Milestone Date	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
Bridge 9 NB I-405 to WB Wilshire Off-ramp - Complete Barrier Construction	4/8/14A	0					
Bridge 9 NB I-405 to WB Wilshire Off-ramp - Complete Saw & Seal	4/11/14A	0					
Sunset Cul-De-Sac - Complete Replacement Curb & Gutter	4/15/14A	0					
Sunset Cul-De-Sac - Complete Replacement Driveways and Sidewalks	4/17/14A	0					
SB I-405 On-Ramp at Getty Center - Complete Barrier Construction	4/17/14A	0					
Sunset Cul-De-Sac - Complete Pavement and Cap	4/19/14A	0					
NB I-405 I-10 to Wilshire Blvd Complete Installation of Permanent Median Signs	4/28/14A	0					
NB I-405 HOV Lane Opened to Traffic from I-10 to Wilshire Blvd.	4/28/14A	0					
Area 1 I-10 Interchange - Substantial Completion	5/1/14		0				
Area 2 Sunset - NB & SB Irrigation and Landscape Completion	5/1/14		0				
Area 3 Wilshire - NB & SB Irrigation and Landscape Completion	5/1/14		0				
Area 1 I-10 Interchange - Punchlist Work Begins	5/2/14		0				
Area 2 Sunset - Permanent ITS Testing Completion	5/5/14		0				
Area 2 Sunset - Substantial Completion	5/5/14		0				
Area 6 Skirball - Permanent Delineation NB Complete	5/5/14		0				
Area 2 Sunset - Punchlist Work Begins	5/6/14		0				
Area 4 Sunset - Permanent Delineation of NB I-405 Lanes	5/6/14		0				
NB I-405 HOV Lane Fully Opened from I-10 to the 101 Freeway	5/22/14		0				
Area 7 Valley Vista - SB Permanent ITS Testing Completion	5/27/14		0				
Metro Metro Milestone Design/B	uild		Third Partie	s Approval			
CT Caltrans Milestone * New Dat	_	HWA	FHWA Fed Approval	eral Highw a	y Administra	ation	

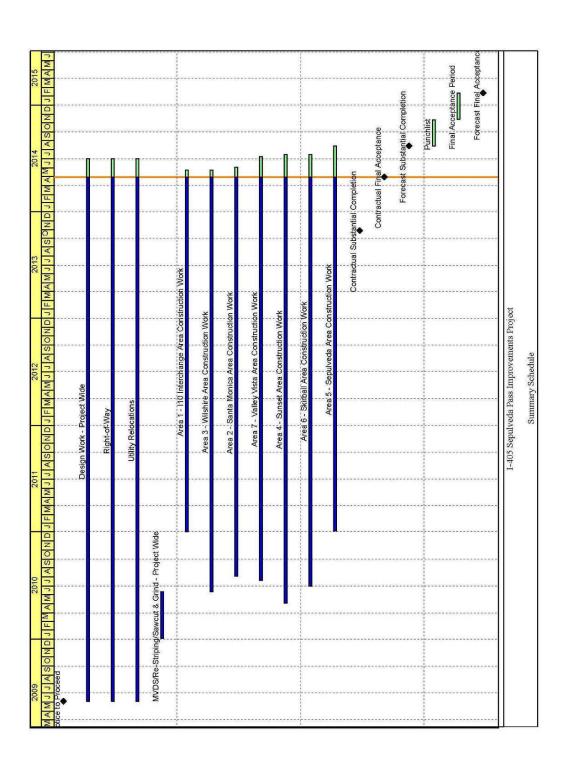
KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD

	Milestone Date	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
Area 3 Wilshire - GSA Utilities Construction Completion	5/30/14		0				
Area 3 Wilshire - Substantial Completion	5/30/14		0				
Area 3 Wilshire - Punchlist Work Begins	5/31/14		0				
Area 7 Valley Vista - Permanent Delineation Complete	6/4/14			0			
Area 7 Valley Vista - Substantial Completion	6/4/14			0			
Area 7 Valley Vista - Punchlist Work Begins	6/5/14			0			
Area 4 Sunset - Permanent Street Lighting Testing Complete	6/12/14			0			
Area 4 Sunset - Permanent ITS Testing Completion	6/16/14			0			
Area 4 Sunset - Substantial Completion	6/17/14			0			
Area 4 Sunset - Punchlist Work Begins	6/18/14			0			
Area 5 Sepulveda - Permanent ITS Testing Completion (Ramps & Street)	7/9/14				0		
Area 6 Skirball - Permanent Traffic Signals & Lights Inspection Complete	7/25/14				0		
Area 1 I-10 Interchange - Punchlist Work Complete	7/30/14				0		
Area 5 Sepulveda - Permanent Traffic Signal Testing Complete	7/30/14				0		
Area 2 Sunset - Punchlist Work Complete	8/3/14					0	
Area 6 Skirball - Permanent ITS Testing Completion (Ramps & Street)	8/7/14					0	
Area 6 Skirball - Substantial Completion	8/7/14					0	
Area 6 Skirball - Punchlist Work Begins	8/8/14					0	
Area 5 Sepulveda - Substantial Completion	8/13/14					0	
Metro Milestone Design/B	uild <u>/</u>	^	Third Partie	es Approval		•	•
CT Caltrans Milestone * New Date	e F	HWA	FHWA Fed Approval	eral Highw a	/ Administra	ation	

KEY MILESTONE SCHEDULE SIX-MONTH LOOKAHEAD

	Milestone Date	Apr-14	May-14	Jun-14	Jul-14	Aug-14	Sep-14
Area 5 Sepulveda - Punchlist Work Begins	8/14/14					0	
Area 3 Wilshire - Punchlist Work Complete	8/28/14					0	
Segment 1 - Punchlist Work Complete	8/29/14					0	
Area 7 Valley Vista - Punchlist Work Complete	9/2/14						0
Area 4 Sunset - Punchlist Work Complete	9/15/14						0
Metro Metro Milestone Design/Br CT Caltrans Milestone * New Date	_	<u>^</u> HWA		es Approval eral Highwa	y Administra	ation	

PROJECT SUMMARY SCHEDULE



I-405 Sepulveda Pass Improvements Project Monthly Project Status Report

April 2014

CRITICAL PATH NARRATIVE

Based on the current project update, the primary critical path runs through Permanent Traffic Signals at Getty Center including Procurement, Conduit, Equipment, Wire, Boxes, Testing, and Inspection. The path ends with Area 5 Substantial Completion.

PROJECT COST STATUS

I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT

FEDERAL PROJECT #: SARRA-405-3(015)N, METRO PRIME CONTRACT# C0882

METRO CONSTRUCTION MANAGEMENT DIVISION / CALTRANS

COMBINED COST REPORT BY PHASE PERIOD ENDING: APRIL 2014

DOLLARS IN THOUSANDS

PHASE	PHASE	DESCRIPTION	ORIGINAL	CURRENT	BUDGET	COMMIT	TMENTS	EXPEND	ITURES	CURRENT I	FORECAST	BUDGET / FORECAST
#	CODE	DESCRIPTION	BUDGET	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	PERIOD	TO DATE	VARIANCE
0	PA&ED	PROJECT APPROVAL & ENVIRO DOCS	22,000	,	21,457		21,078	1	21,078	i	21,457	-
1	PSE	PLANS, SPECS, & ENGINEERING	63,100	1	25,560	1	26,040	1	26,012	1	25,632	72
2	RS	RIGHT-OF-WAY SUPPORT	14,000	1	9,543	161	8,112	161	8,112	1	8,076	(1,467)
3	CS	CONSTRUCTION SUPPORT	28,000	•	67,813	1,231	103,630	1,936	93,126	-	85,387	17,574
4	С	CONSTRUCTION	823,900	1	915,241	1,466	898,196	28,186	753,911	1	937,456	22,215
9	RC	RIGHT-OF-WAY CAPITAL	83,000		99,186	816	74,027	819	63,510	-	60,792	(38,394)
		SUBTOTAL PROJECT	1,034,000	•	1,138,800	3,673	1,131,084	31,101	965,750	•	1,138,800	-
4	С	CONSTRUCTION OF CITY OF L.A.'S REVERSIBLE LANES PROJECT	-	-	2,600	-	1,466	-	1,466	-	2,600	-
4	С	CONSTRUCTION OF CALTRANS DRAINAGE SYSTEM REPAIRS	-	-	-	-	-	-	-	-	-	-
		TOTAL PROJECT	1,034,000	•	1,141,400	3,673	1,132,550	31,101	967,216		1,141,400	•

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 31, 2014.
KIEWIT EXPENDITURES ARE ONLY THROUGH NOVEMBER 30, 2013 DUE TO INVOICING LAG.

PROJECT COST ANALYSIS

Original and Current Budgets

The Original Budget reflects the Metro Board adopted Life-of-Project (LOP) Budget which was approved in April 2009 in the amount of \$1,034 million. An additional \$6.0 million was approved by the Metro Board in February 2011 to add the City of LA's Reversible Lanes Project Scope funded by the City of Los Angeles, along with \$8.0 million approved by the Metro Board to add Caltrans drainage system repairs to be funded by Caltrans. The Metro Board approved a decrease in the amount of \$3.4 M for the Reversible Lanes and an increase of \$26.1M for betterments. This brings the total Current Budget to \$1,070.7 million. In June and July 2013, the Metro Board approved increases of \$70.7 million which brings the Current Budget to \$1,141.4 million. The Project Cost Report has been updated to reflect this increase.

Current Budget and Current Forecast

The Current Budget is \$1,141.4 million. Trends 1 through 260 have been approved and are included in the Current Forecast of \$1,141.4 million. Trends are being prepared for all Professional Services (including Metro, Caltrans and Stantec staff) and will be included in next month's report. Project Budget Change Requests (PBCR) 1 through 9 have been issued and included in the Current Budget.

Commitments

The Commitments increased by \$3.7 million this period primarily for P.O's for Kiewit contract mods, Breitburn Energy pipeline relocation, community relations services and Metro/Caltrans staff charges. Total Commitments are \$1,132.6 million.

PROJECT COST ANALYSIS (Contd)

Expenditures

Expenditures are cumulative through March 2014. The expenditures increased by a total of \$31.1 million this period. Expenditures within the construction support phase included Metro and Caltrans project staff and miscellaneous consultant contract services. Costs in the right-of-way categories were for 3rd party Metro staff costs and for third party and utility relocation expenditures. Caltrans right-of-way expenditures for the period included staff charges for right-of-way support and Caltrans Real Estate acquisitions. One Kiewit invoice in the amount of \$28.2 M was processed by Metro Accounting this period for the month of November 2013. The \$967.2 million in Project Expenditures to date represents 84.7% of the Current Budget.

FINANCIAL/GRANT STATUS - ORIGINAL SCOPE ACTIVITIES

APRIL 2014		STATU	S OF FUNDS I	BY SOURCE					
SOURCE	(A) APPROVED BUDGET	(B) TOTAL FUNDS ANTICIPATED	(C) TOTAL FUNDS AVAILABLE	(D) COMMITI \$	(D/B) MENTS %	(E) EXPEN \$	(E/B) IDITURES %	(F) BILLED TO SOURC \$	
FEDERAL SAFETEA-LU	\$117.000	\$117.000	\$117.000	\$117.000	100%	\$103.530	88%	\$67.858	58%
FEDERAL ARRA	\$189.900	\$189.900	\$189.900	\$189.900	100%	\$189.900	100%	\$189.900	100%
STATE CMIA	\$640.100	\$640.100	\$640.100	\$640.100	100%	\$619.006	97%	\$332.656	52%
STATE TCRP	\$90.000	\$90.000	\$90.000	\$90.000	100%	\$42.555	47%	\$42.555	47%
STATE RSTP	\$10.100	\$10.100	\$10.100	\$10.100	100%	\$10.100	100%	\$10.100	100%
PROPOSITION C 25%	\$13.000	\$88.000	\$13.000	\$85.450	97%	\$2.125	2%	\$2.125	2%
FURTHER COST/REVENUE RECOVERY	\$0.000	\$3.700	\$0.000	\$0.000	0%	\$0.000	0%	\$0.000	0%
SUB TOTAL FUNDS	\$1,060.100	\$1,138.800	\$1,060.100	\$1,132.550	99%	\$967.216	85%	\$645.194	57%
CITY OF LA **	\$2.600	\$2.600	\$0.000	\$0.000		\$0.000		\$0.000	
TOTAL FUNDS	\$1,062.700	\$1,141.400	\$1,060.100	\$1,132.550		\$967.216		\$645.194	

NOTE: EXPENDITURES ARE CUMULATIVE THROUGH MARCH 2014
TOTAL FUNDS ANTICIPATED BASED ON JUNE 2013 PROJECT COST AND FUNDING PLAN AND JULY 2013 BOARD REPORT.
* BILLING AMOUNT IS LESS THAN EXPENDITURES AMOUNT DUE TO SYSTEM LAG IN SUBMITTING INVOICES TO CALTRANS.
*** CONSTRUCTION OF CITY OF LA REVERSIBLE LANES PROJECT.
**** CONSTRUCTION OF CALTRANS DRAINAGE SYSTEM REPAIRS.

STATUS OF FUNDS ANTICIPATED

FEDERAL SAFETEA-LU: \$117M is available for drawdown for specific phases of the Project as agreed upon in the Cooperative Agreement between Caltrans and Metro.

FEDERAL ARRA: \$189.9M is available for drawdown for specific phases of the Project as agreed upon in the Cooperative Agreement between Caltrans and Metro with consultation with FHWA.

STATE CMIA: State Proposition 1B Bond sales provided \$254.7M to the project. Funds are available for drawdown. The remaining balance of \$359.3M has been allocated and are available for drawdown. In December 2012, the California Transportation Commission and Metro Board approved the reprogramming of \$26.1M in CMIA funding to the I-405 Project. Funds are available for drawdown.

STATE TCRP: \$42M is available for drawdown for specific phases of the Project as agreed upon in the Cooperative Agreement between Caltrans and Metro. The remaining balance of \$48M has been made available by the CTC and is available for drawdown.

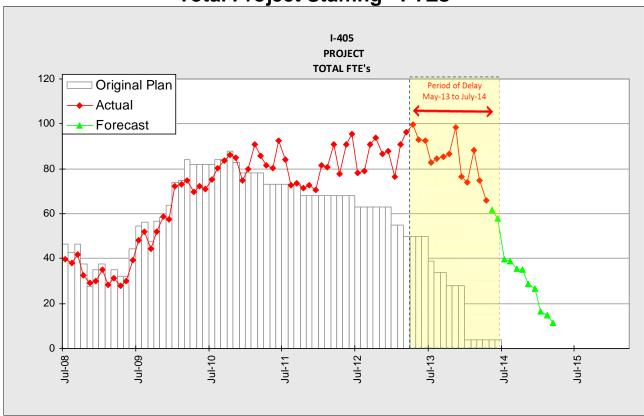
STATE RSTP: \$10.1M is available for drawdown for specific phases of the Project as agreed upon in the Cooperative Agreement between Caltrans and Metro.

PROPOSITION C 25%: The Metro Board initially approved the allocation of \$13M to the Project. In June 2013, the Metro Board approved an additional allocation of \$75M.

CALTRANS: Metro Board authorized staff in July 2012 to execute a Memorandum of Understanding between Caltrans Maintenance and Metro for a total amount of \$8M for the cleaning and the reconstruction of Caltrans drainage. In March 2013, Caltrans informed Metro that the work and funding have been cancelled.

STAFFING STATUS

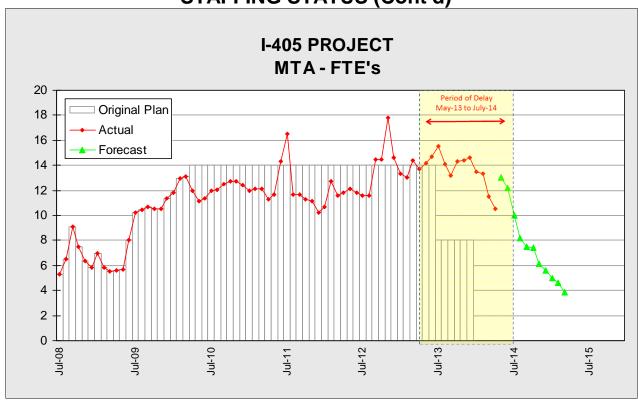
Total Project Staffing - FTEs

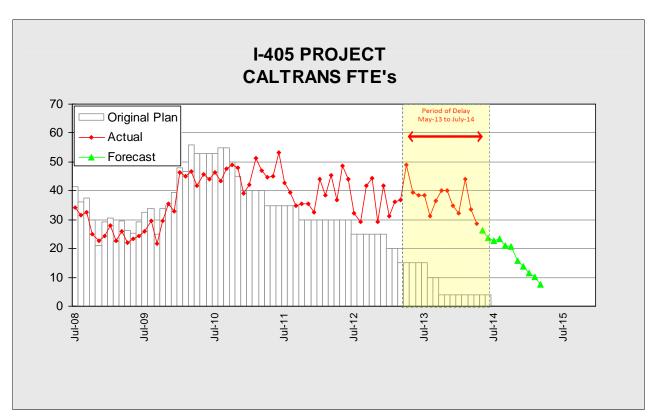


Total Project Staffing

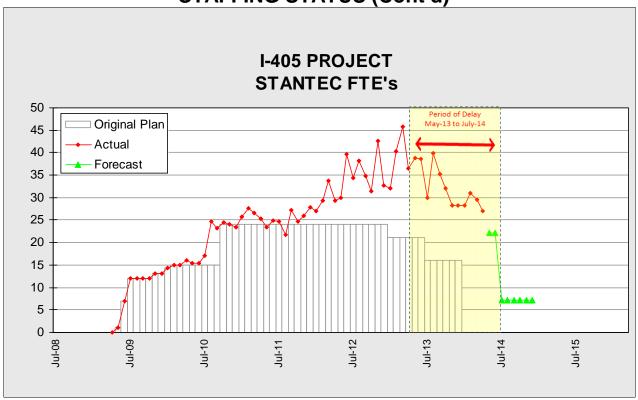
Due to the project delay, project staffing has been reforecasted through the end of project as shown in the staffing status charts.

STAFFING STATUS (Cont'd)





STAFFING STATUS (Cont'd)



REAL ESTATE STATUS

The Real Estate acquisition process is proceeding and the Project is working on obtaining and releasing the parcels to the Contractor.

- Parcel 79612 (MWD) Right-of-Entry (ROE) is in place for the SB Skirball Ramps and all works inside the MWD property. Annual renewal is required.
- ROW Tie-back easements at 1791/1797 ROE has been provided. Caltrans is in the process of acquiring the permanent rights pending a meeting with the Getty.
- Parcel 79619 (LACMTA) Access has been provided but parcel has not been acquired yet. Construction has been completed and conversations on final acquisition have commenced.
- Parcel 79692 (Skirball) Memorandum of Settlement has been signed.
- Parcel 80418 TCE for Curtis School has been obtained.
- Permanent and Temporary easements are required at the Leo Baeck Temple to install signal foundation at Getty Center Drive and Sepulveda – An ROE (temporary easement) has been granted and currently Caltrans is in process of acquiring the permanent easement. No delays to construction will occur due to Real Estate.

ENVIRONMENTAL STATUS

- Ongoing coordination with Santa Monica Mountains Conservancy (SMMC) and National Park Service (NPS) on wildlife crossings and the redesign of NB Getty on-ramp. A wildlife culvert was proposed as part of the originally proposed design, since the new on-ramp would create a barrier for wildlife. The project provided direction to the Contractor to keep the on/off ramps in their existing location. This design will maintain access for wildlife movement. Therefore, the wildlife culvert has been removed from the project design. Further coordination will be required with SMMC and NPS regarding this project change and will be addressed in the Environmental Addendum. Preparation of a Cooperative Agreement between Caltrans and SMMC to transfer mitigation funds to SMMC will occur after Environmental Addendum approval.
- Ongoing preparation of an Environmental Addendum for changes associated with the final design of the N/B Getty on-ramp. A separate new project has been programmed to modify existing ramps and is currently in the Project Initiation Document Phase. Environmental Addendum submitted to Caltrans HQ for final review. Caltrans HQ has completed final review. Environmental Addendum has been approved.
- Ongoing coordination regarding landscaping along Sepulveda Blvd. between Constitution and Sunset and required mitigation associated with tree removal from City and State R/W. Caltrans, Metro and LABSS continue to discuss outstanding tree removal permits and tree replacement plans.
- The Project received a Notice of Violation from the Regional Water Quality Control Board on July 1, 2013. A meeting was held with RWQCB on July 22, 2013 to discuss a path forward. A response to the violation was sent to the RWQCB on September 26, 2013. A meeting was held with RWQCB on November 13, 2013 for further discussion of Notice of Violation. Caltrans is actively submitting documentation requested by RWQCB.

COMMUNITY RELATIONS STATUS

- Distributed construction notices for the following construction activities: Polyester concrete paving and methacrylate deck treatment on northbound I-405 off-ramp to eastbound Wilshire Blvd., grind and overlay of pavement at Wilshire and Sepulveda, polyester concrete paving and methacrylate deck treatment on northbound I-405 offramp from Santa Monica Blvd., Polyester concrete paving and methacrylate deck treatment on northbound I-405 off-ramp Wilshire Blvd. undercrossing bridge, curb and gutter work from Cotner Ave. to Sawtelle Blvd., demolition and reconstruction of curb and gutter along southbound Sepulveda Blvd., formal walk throughs of the roadway project area from National Blvd. to Santa Monica Blvd., implementation of a "no parking" restriction on Beloit Ave., landscaping preparation work southbound I-405 between Sardis Ave. and National Blvd., formal walk throughs of the roadway project area from Santa Monica Blvd. to Wilshire Blvd., drainage work on the southbound I-405 on-ramp from eastbound Wilshire Blvd., traffic signal service work at Sepulveda Blvd. Wilshire Blvd. intersections, re-striping of the northbound I-405 lanes between the I-10 and Santa Monica Blvd., installation of DWP water meters. installation of mainline traffic loops, traffic signal and street lighting conduit across the Skirball Bridge, drainage work on Varden St., Sepulveda Blvd. roadway construction, traffic signals at Sepulveda and Skirball Center Drive, remove k-rail and restriped roadway between Mountaingate Dr. and Skirball Center Dr., utility installation on Sepulveda Blvd., texture finishing on the Bel Air Crest Bridge, removal and installation of overhead signs from Getty Center Dr. to Greenleaf St., curb, gutter and sidewalk work on Church Lane, Sunset Cul-De-Sac full depth reconstruction, touch up work on bridge support beams on northbound Sunset offramp, Sunset Bridge fence work, installation of drainage pipes, inlets for drainage system, potholing and backfilling work, grading, paving and reconfiguration work on southbound Sunset off-ramp, sidewalk, curb and gutter work and construct ADA pedestrian ramps on Sepulveda Blvd. and Montana Ave., waterline work at Bronwood Apts, utility and alley work Sepulveda Blvd, and Bronwood Avenue and street paving Sepulveda Way to Thurston Ave.
- Participated in the following meetings: Elected Officials Briefing and Department of Veteran Affairs traffic planning for Wilshire and Sepulveda.
- Coordinated the following work activities: Sound mitigation from highway traffic due
 to non-extension of sound wall 202, traffic mitigations for Palm Sunday and Easter
 Sunday for Bel Air Presbyterian Church, traffic mitigations for Passover and
 Stephen Wise event, removal of a Caltrans tree, timelines and work operations in
 the Mulholland Segment, Church Lane sprinkler issue and Sunset cul-de-sac full
 depth reconstruction.
- 45,037 page views on Website
- 19,064 likes on Facebook
- 5.924 followers on Twitter

QUALITY ASSURANCE STATUS

- Metro Quality participated in:
 - o Bi-weekly Quality Team Meetings.
 - Segment 1, 2 and 3 Construction Progress Meetings.
- Daily operation and formal walks to identify and resolve punch list items in preparation for contract closeout.
- Monitor KIWC's TAP Program.

SAFETY AND SECURITY STATUS

- There were no injuries on the Project during April 2014. Conducted training session with Kiewit staff. Currently, four workers are on restricted duties or off work due to injuries.
- Safety Staff participated in scheduled pre-activity (readiness review) meetings to ensure compliance with approved Work Plans and contract specifications.
- Construction activities are monitored during day and night shifts to ensure contractor compliance with contract specifications
- Safety staff attended weekly Progress Meeting, Foreman's Weekly Safety Meetings and other project meetings to evaluate Contractors Safety Program compliance with contract requirements.
- April Contractor Work Hours (Design & Construction): 174,521
- Contractor Project to Date Work Hours (Design & Construction through 4/30/2014): 7,999,548
- Total Project to Date Work Hours (Contractor & the IPO Staff through 4/30/2014): 8,738,799
- Project to Date Recordable Injury Rate: 0.8 (Thirty-three Recordable Injuries) (each rate is per 200,000 work hours).
- Project to Date Total Time Away Injury Rate: 0.3 (Fourteen Time Away From Work Injuries).
- Project to Date Total Days Away Rate: 20.4 (891 Days Away From Work)
- Metro Construction Safety is providing Safety and Security Contract Compliance oversight during both day and night shifts as many as six days a week due to overall project work schedule.

THIRD PARTY AGREEMENT STATUS

Third Party	Type of Agreement	Forecast Execution Date	Required Need Date	Status/ Comments
City of Los Angeles	MCA	Cancelled	Cancelled	A stand-alone Master Cooperative Agreement (MCA) between the City of Los Angeles and LACMTA is no longer being pursued because the I-405 will soon be completed and County Counsel advised an MCA is not required.
Los Angeles County Department of Public Works/Los Angeles Flood Control District	MCA	Cancelled	Cancelled	On advice of County Counsel, LACMTA is not required to enter into a Master Cooperative Agreement with the Los Angeles County Department of Public Works/Los Angeles Flood Control District since the I-405 Project is a State Project, not a LACMTA Project.
Utility Owners	Utility Agreements	Various	Various	Caltrans style Utility Agreements (similar to MTA Work Order Authorizations) will be completed as relocation plans are approved for each location.

CONTRACT STATUS

I-405 Sepulveda Pass Improv	Contract No.:	C0882					
Design/Build Contractor: Kie	WIT	Status as of:	May 2, 20	14			
Progress/Work Completed: Major w ork started/completed this period: Bridge 9 Wilshire UC: Bridge w ork completed: NB I-405 I-10 to Wilshire: Permanenet me completed. Segment 1 I-10 to Wilshire: HOV Lane Of Sunset Cul-de-sac: Replaced drivew ays, gutter, paving and cap. Maintenance during construction - SWPPrepairs, graffiti removal fromk-rails, trash a Areas of Concern: Wildlife crossing at Skirball Bridge. Cokmpletion and approval of Project Fact. Global Maintenance of Traffic (MOT).	edian signs pened. sidewalk, curb and P cleanout and and debris removal.	Major Activities Grading and pavir Utility relocations. Median and barrie Permanent lighting Permanent traffic Permanent traffic Permanent traffic Reight 21 constru Maintenance durin Major Activities NB HOV Lane full Bridge 21 Skirball Area 1 Substantia Area 2 Substantia Area 3 Substantie Completed.	(In Progre ng. er paving. g installation. signals instal ay lane deliniction. ng construct Next Perio y opened to OC: Bridge il Completion al Completion of the control of the c	allation. eation. ion. id: traffic from w ork comp	leted.		
			Original Baseline	Time Extension	Current Contract	Forecast Completion	Variance Cur-Fcast
		Commencement	08/31/09	0	08/31/09	08/31/09	0
		Completion	05/31/13	149	10/27/13	08/13/14	-290
		Punchlist Complete	08/29/13	149	01/25/14	11/11/14	-290
		Final Acceptance	11/27/13	149	04/25/14	02/09/15	-290
Notice of Award	04/29/09	Cost Summary: 1. Award Value				\$ In 000's 720,922	
Notice to Proceed	06/02/09	2. Executed Mo	odifications	s:		144,490	
Original Contract Duration (CD)	1640	3. Approved Ch	ange Orde	ers:		39,881	
Approved Time Extensions (CD)	149	4. Current Cont	ract Value	: (1 + 2 +	3):	905,293	
Current Contract Duration (CD)	1789	5. Incurred Cos	t:			785,302	
Forecast Contract Duration	2078	6. Percent Incu	rred Cost:			86.7%	
Forecast Final Acceptance	02/09/15						
Elapsed Time from NTP (CD)	1,796						
Contract Elapsed Time Percent	86.4%						

CHRONOLOGY OF EVENTS

May 18, 2007	The Draft Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) is issued.
May 22, 2007 to October 1, 2007	Public review of draft EIS.
February 29, 2008	The Final Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) is issued.
March 10, 2008	The Final Environmental Impact Report (EIR)/Environmental Impact Statement (EIS) errata with U. S. General Services Administration (GSA) comments is issued.
March 14, 2008 to April 14, 2008	Public review of Final EIS.
April 25, 2008	Record of Decision (ROD) approved.
October 10, 2008	LACMTA issued Invitation For Bid (IFB) for the project.
February 20, 2009	Project bids opened.
April 23, 2009	LACMTA Board authorized the Chief Executive Officer to award Design-Build Contract C0882 to Kiewit Pacific Co.
April 23, 2009	LACMTA Board approved establishing a budget of \$1.034 billion for project 405523.
April 23, 2009	LACMTA awarded Contract C0882 to Kiewit Pacific in the amount \$694,156,000 to include Schedules A, C, and H (Option 4).
April 29, 2009	LACMTA issued a revised NOA to Kiewit Pacific in the amount \$720,922,000 to include Schedules A, C, E (Option 1), F (Option 2), G (Option 3), and H (Option 4).
June 2, 2009	LACMTA issued Notice to Proceed to Kiewit Pacific for the Design-Build Contract C0882.
August 31, 2009	Contract Commencement Date.
September 24, 2009	Kiewit Pacific submitted the Project Baseline Schedule.
October 14, 2009	Project Design Quality Management Plan approved.

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December 14, 2009	Project Quality Management System approved.
January 20, 2010	Project Baseline Schedule was approved.
January 27, 2010	Roadway Restriping commenced.
March 12, 2010	Major Project Permits were obtained; Permit 401 – Water Quality Control Board, Permit 404 – U.S. Army Corps of Engineers, and Permit 1600 – California Department of Fish & Game.
May 31, 2010	The Project completed one year without a Recordable Injury.
July 23, 2010	Sunset Bridge major demolition of the south side top deck and center column.
August 2, 2010	Commenced construction on Bridge 4a/b.
August 16, 2010	Commenced ExxonMobil 16" utility relocation at Bridge 16.
August 20, 2010	Operating Engineers Local 12 initiate labor action by striking.
August 24, 2010	Completed ductbank work on Sepulveda for DWP utility undergrounding.
August 24, 2010	Commenced construction of Walls 1720/1730.
August 24, 2010	ITS Backbone is cut.
September 7, 2010	DWP started pulling wires for utility undergrounding on Sepulveda.
September 9, 2010	Operating Engineers Local 12 Labor action is settled and strike ends.
September 13, 2010	Completed the excavation of Roadway at 1685/1691.
September 15, 2010	Completed the removal of Wall 1665.
September 18, 2010	Completed installation of Temporary walkway at Skirball Bridge.
September 28, 2010	Pioneer access to Sunset on-ramp, Bridge 15 Abutment 1.

 	denoted in the contract of the
October 12, 2010	Began excavation of Sunset Bridge 16 Abutment 1 Footing.
October 12, 2010	Began demolition of Skirball Bridge 21.
October 15, 2010	Completed demolition Skirball Bridge 21.
October 15, 2010	Began driving piles at Santa Monica Bridge 4.
October 15, 2010	Installed Beams at Sunset Bridge 16, Bent #2.
October 15, 2010	Began driving piles on Santa Monica Bridge 4.
October 19, 2010	Completed demolition of Sunset Bridge 16, Abutment 4.
October 21, 2010	Installed beams at Sunset Bridge 15 On Ramp, Abutment 1.
October 22, 2010	Began Demolition of Sunset Bridge 16, Abutment 1.
October 22, 2010	Installed Piles at Wall 1720.
October 25, 2010	Began Excavation at Walls 1685/1691.
October 28, 2010	Began the relocation of overhead power lines at Ohio Ave Bridge 5.
October 28, 2010	Clear and grub area at Wall 1746.
November 12, 2010	Completed demolition of soundwall, barrier rail, and overhang at Bridge 13.
November 15, 2010	Completed installation of SOE at Abutment 1 NB at Bridge 4 Santa Monica.
November 15, 2010	Completed demolition of existing ExxonMobil16" Oil Pipeline.
November 17, 2010	Completed excavation of CIP at Wall 1640.
November 18, 2010	Began excavation at Wall 1635.
November 29, 2010	Began Excavation at Bridge 13.
November 30, 2010	Began relocation of SCE underground vault.

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December 7, 2010	Began driving piles at Bridge 13 - Montana Avenue UC.
December 14, 2010	Completed Pile driving at Abutment 1 Bridge 16 Sunset OC.
December 15, 2010	Completed the installation of new power poles and raised the utility wires at Bridge 5 - Ohio Avenue.
December 16, 2010	Completed piles at abutments 1 and 2 for Bridge 13 Montana Ave UC.
December 17, 2010	Began installation of SOE beams at Bridge 15 Sunset on-ramp.
January 3, 2011	Began Construction of Piers and Columns at Bridge 16.
January 11, 2011	Began Construction Activities at Bridge 5.
January 13, 2011	Began Construction Activities at Bridge 12.
January 17, 2011	Began Installation of Footings and Pile Caps at Bridge 16.
February 1, 2011	Began Construction Activities at Bridge 21 – Skirball Center Drive.
February 14, 2011	Began Field Work relocating Storm Drain at Veterans Administration (VA).
February 21, 2011	Began Field Work relocating Chevron Oil Pipeline at Bridge 23 – Sepulveda UC.
February 23, 2011	Began Construction Activities at Bridge 15 – Sunset On-Ramp.
February 25, 2011	Completed Drilling and Placing Beams at NB Abutments 1 & 2 at Bridge 12 – Constitution UC.
February 28, 2011	Completed Pouring Columns at Bent 3, Bridge 16 – Sunset OC.
March 2, 2011	Began Field Work relocating LADWP 4" Waterline at Valley Vista.
March 2, 2011	Completed Driving 14" Square Piles at Bridge 3 Abutment 1.
March 15, 2011	Began Field Work relocating So Cal Gas Line at Wall 1746.

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	March 18, 2011	Completed Setting Soldier Beams at Bridge 15 Bent 2 & 3 Mainline.
	March 23, 2011	Began Field Work Encasing Sewer Lines 401-403 at Walls 1720, 1730 and 1746.
	March 31, 2011	Completed Setting and Backfilling Wall Panels at Wall 1942B.
	April 4, 2011	Began Installation of Bent 2 & Bent 3 Columns at Bridge 21 Skirball Center Drive OC.
	April 5, 2011	Began Installation of Storm Drain at Walls 1720 and 1730.
	April 10, 2011	Completed Installation of Girders at Bridge 13 Montana Ave UC.
	April 22, 2011	Completed Bridge 9 Wilshire Blvd. UC demolition for widening.
	April 25, 2011	Began Work Relocating Shell Oil Line at Bridge 23 Sepulveda UC.
	May 2, 2011	Began Relocation of Area 2 Sewer Lines # 201-203.
	May 6, 2011	Completed Setting Girders at Southside of Bridge 16 Sunset OC.
	May 11, 2011	Began Construction Work on Bridge 3 Olympic Blvd.
	May 25, 2011	Completed Tie Back Installation at Walls 1720 and 1730.
	June 3, 2011	Completed Girder Installation on the North Side of Bridge 21 Skirball OC.
	June 13, 2011	Began Installation of Precast Deck Panels on Bridge 16 Sunset OC.
	June 24, 2011	Began Demolition of Existing Walls 1720 and 1730 along Sepulveda Blvd.
	June 30, 2011	Completed Installation of Precast Deck Panels on Bridge 16 Sunset OC.
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July 6, 2011	Began Relocation of LADWP Overhead Power Lines at Mulholland Bridge.
July 13, 2011	Completed installation of Void Slab Deck at Bridge 12 Constitution UC.
July 14, 2011	Completed Pouring Diaphragms 1, 2, and 3 at Bridge 21 Skirball OC.
July 16, 2011	Began Demolition of South Side of Bridge 22 Mulholland OC.
July 17, 2011	Completed Demolition of South Side of Bridge 22 Mulholland OC.
July 20, 2011	Completed Installation of Pre-cast Girders at Bridge 4SB Santa Monica UC.
July 26, 2011	Began Driving Piling at Bridge 8 NB from EB Wilshire, Bent 8.
August 1, 2011	Began installation of forms and rebar for Top Deck at Bridge 21, Skirball Center Drive.
August 3, 2011	Began work on the Interchange Ramp from Westbound I-10 to Northbound I-405.
August 6, 2011	Began work installing Top Deck at Bridge 4 Santa Monica Blvd.
August 24, 2011	Completed pouring the Top Deck at Bridge 13, Montana Ave.
August 26, 2011	Completed installation of Footing & Pile Cap/Abutment-Wingwalls/Bridge Bearing Bridge 3 Olympic Blvd.
August 31, 2011	Completed pouring the Top Deck at South Side of Bridge 16, Sunset Blvd.
September 15, 2011	Completed installation of Top Deck and Diaphragm on Bridge 16, Sunset Blvd.
September 16, 2011	Completed pouring the Top Deck at Bridge 21, Skirball Center Drive.
September 23, 2011	Began construction of LADWP Power Utilities undergrounding ductbank between Stations 1740 and 1760.

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September 27, 2011	Completed pouring curb and gutter on west side of Bridge 16, Sunset Blvd.
September 29, 2011	Completed pouring Lateral Retaining Walls #6, #7, and #8 at Retaining Wall 1720.
October 14, 2011	Completed pouring footing for Bent 2 at Bridge 22, Mulholland Drive.
October 17, 2011	Began installation of Bent 2 Forms at Bridge 22, Mulholland Drive.
October 18, 2011	Began construction activities at Bridge 18, Bel Air Crest.
October 22, 2011	New Bridge 16, Sunset Blvd. South Side opened to vehicle traffic.
October 27, 2011	Completed pouring Abutment 1 at Bridge 22, Mulholland Drive.
November 1, 2011	Began demolition of Bridge 16 Sunset Blvd. north side.
November 7, 2011	Began installation of CIDH Piles for I-10 Connector.
November 9, 2011	Completed demolition of Bridge 16 Sunset Blvd. north side.
November 22, 2011	Received the VA License to Enter agreement.
November 22, 2011	Completed pouring Bridge 22 Mulholland OC Bent 2 Columns.
November 22, 2011	Completed pouring Bridge 5 Ohio NB Abutments 1 & 2.
December 1, 2011	MSE Wall 1897 along NB Sepulveda Blvd. south of Skirball Center Drive ruptures. Kiewit stops work on all MSE Walls throughout the project and begins investigation into MSE Wall deficiencies.
December 1, 2011	Began 2 nd pouring of Bridge 22 Mulholland Abutment 1.
December 8, 2011	Completed subgrade for NM Connector.
December 17, 2011	Began installation of Precast Girders at Bridge 5A Ohio Ave.
December 19, 2011	Began installation of falsework beams for Bridge 15 Sunset on- ramp.

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December 19, 2011	Began driving piles for Bridge 16 Sunset Blvd. Bent 3.
January 4, 2012	Began De-construction of MSE Wall 1738A.
January 9, 2012	Began De-construction of MSE Wall 1665.
January 16, 2012	Completed demolition of the I-405 median barrier at Mulholland Bridge and began erection of Falsework.
January 19, 2012	Began pouring footings for Soundwalls at Retaining Walls 1720 and 1730.
January 20, 2012	Completed pouring column # 1 @ Sunset Blvd. Bridge.
January 25, 2012	Began De-construction of MSE Wall 1634.
January 27, 2012	Kiewit stopped work on all Soil Nail Walls due to developing cracks, pending investigation.
January 31, 2012	Poured columns at Bel Air Crest Bridge.
February 13, 2012	Construction activities are started in Area 5 at Bridge 18 Getty Center UC and Bridge 19 Sepulveda UC.
February 15, 2012	De-construction of MSE Wall 1738A at Sunset NB Off-Ramp is completed.
February 18, 2012	Piers and Columns are poured for Bridge 16 Sunset Blvd.
February 18, 2012	LADWP completes installation of new underground cabling in ductbank along Sepulveda Blvd and Wilshire Ave. Final paving of Sepulveda trench is completed.
February 28, 2012	Kiewit submits notification to LACMTA that all remaining MSE Walls, with the exceptions of completed MSE Walls 1619 and 1942B will be de-constructed.
March 2, 2012	Full NB Freeway Closure at Mulholland Bridge to install Falsework Girders.
March 6, 2012	Caltrans identifies a potential Safety Concern during Mulholland Bridge Falsework Girder Installation on the SB Side and orders girders to be removed. Caltrans issues Stop Work Order pending review of Girder Installation Process.

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March 8, 2012	Caltrans completes review of Girder Installation Process and authorizes resumption of installation of Falsework Girders at
March 22, 2012	Mulholland Bridge. SB Side Falsework Girders are installed. Concrete Girders are installed at Bridge 5B Ohio UC SB side.
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April 7, 2012	Kiewit completes installation of Mulholland Bridge (South Side) Sheet Decking and begins installation of structural rebar.
April 10, 2012	Kiewit resumes construction of MSE Walls. Construction of Wall 1672 new leveling pad is started.
April 14, 2012	Kiewit begins installation of top deck and diaphragm structural rebar at Bridge 4Santa Monica UC.
April 20, 2012	Kiewit pours concrete top deck, curb, and gutter at Bridge 9 Wilshire UC.
May 1, 2012	Begin installation of Concrete girders at Bridge 16 Sunset OC North Side.
May 4, 2012	Kiewit resumes construction of MSE Walls using an approved new Wall Panel Vendor and Construction Plan. Construction begins at MSE Wall 1672 along Sepulveda Blvd. north of Wilshire Blvd.
May 4, 2012	Completion of installation of Concrete Girders at Bridge 16 Sunset OC North Side.
May 18, 2012	Construction of MSE Wall 1808 along Sepulveda Blvd. north of Getty Center Drive is started using new Wall Panels and Construction Plan.
May 24, 2012	Structural construction is started within the GSA Property. Construction of Bridge 7 Bent 3 is started.
May 31, 2012	Construction of MSE Wall 1686 along Sepulveda Blvd. north of Constitution Drive is started using new Wall Panels and Construction Plan.

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June 2, 2012	NW1 Ramp from WB I-10 to NB I-405 is opened for traffic.
June 6, 2012	GSA Microwave Security System is installed.
June 7, 2012	Bridge 7 NB I-405 to EB Wilshire Off-ramp Columns for Bents 3 and 4 are constructed on GSA Property.
June 22, 2012	90-Day Shutdown of Bridges 10 & 11 NB I-405 to WB Wilshire and WB Wilshire to NB I-405 commenced.
June 27, 2012	Demolition of existing Bridges 10 & 11 is completed.
July 15, 2012	Bridge 21 Skirball Center Drive, North side, is opened to traffic.
July 20, 2012	Bridge 22 Mulholland Drive, Top Deck is poured.
July 21, 2012	Bridges 10 & 11 Pre-cast Girders are installed.
July 30, 2012	Bridge 21 Skirball Center Drive, South Side, Demolition is started.
August 3, 2012	Bridge 21 Skirball Center Drive, South Side, Demolition is Completed.
August 10, 2012	Bridges 10 & 11 Top Deck is Poured.
August 23, 2012	Bridge 16 Sunset Blvd. Top Deck is Poured.
August 31, 2012	Bridges 10 & 11 are Opened for Traffic.
September 4, 2012	Bridge 7 Falsework installation begins.
September 24, 2012	Bridge 16 is fully opened for traffic.
September 24, 2012	Bridge 22 South Side is opened for traffic.
September 28, 2012	Began demolition of the north side of Mulholland Bridge 22.
September 30, 2012	Complete demolition of the north side of Mulholland Bridge 22.
October 1, 2012	Began construction activities for Bridge 17, Church Lane UC.

October 1, 2012	Began construction activities for Bridge 22, Mulholland OC north side.
October 15, 2012	MSE Wall 1897 reconstruction is completed.
October 19, 2012	Bridge 15 Sunset NB On-ramp, top deck is poured.
October 23, 2012	RW 1720 punch list work begins.
November 4, 2012	Re-aligned Sepulveda Blvd. to the east at Bronwood Apartments.
November 6, 2012	Begin construction activities for Bridge 14 Sunset NB Off-ramp.
November 8, 2012	Bridges 6A and 6B SB Off-ramp to EB Wilshire abutments poured.
November 28, 2012	Completed re-striping and realignment of Sepulveda Blvd. to the east at walls 1720 & 1730.
November 29, 2012	Completed pouring Top Deck at Bridge 1 I-10 Connector.
December 4, 2012	Completed installation of Pre-Cast Girders at Bridge 2 Exposition.
December 6, 2012	Sepulveda Blvd. is restriped and realigned from Montana Avenue to Bridge 14 NB Sunset Off-Ramp.
December 20, 2012	Completed pouring Top Deck at Bridge 18 Getty Center Drive NB and SB.
December 21, 2012	Completed girder installation at Bridge 6A and 6B SB Wilshire Off-Ramp.
January 4, 2013	False work for Bridge 7 is completed allowing construction of CIP Box Girder to progress from abutment to abutment.
January 4, 2013	Completed installation of 10' diameter CIDH Piles for Bridge 14 Construction of foundation piles is started.
January 15, 2013	Completed pouring outside stems for Bridge 8.

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January 23, 2013	Completed installation of top deck metal decking for Bridge 6A.
February 3, 2013	Opened new SB 405 On-ramp from Skirball Center Drive.
February 11, 2013	Began installation of Falsework for Mulholland Bridge north side.
February 21, 2013	Opened new SB 405 On-ramp from EB Wilshire Blvd.
February 22, 2013	Opened new NB 405 On-ramp from Cotner Ave. at Olympic Blvd.
March 8, 2013	Began 14-day closure of SB I-405 to WB Wilshire Off-ramp to allow construction of new Off-ramp.
March 16, 2013	Completed construction of new SB I-405 to WB Wilshire Off-ramp and re-opened the Off-ramp 6 days early.
March, 22, 2013	Began forming bottom deck of north side of Bridge 22, Mulholland OC.
March 25, 2013	Opened new Bridge 1, I-10 EB to I-405 NB, and began demolition of existing Bridge 2 Span 4 to Abutment 9.
April 6, 2013	Completed paving on NB side of I-10 to I-405 Interchange Area.
April 9, 2013	Completed Bridge 22, Mulholland Dr. OC, Falsework installation.
April 18, 2013	Completed Bridge 7, NB 405 to EB Wilshire Off-ramp, Top Deck installation.
May 3, 2013	Completed NB I-405 paving activities in the Santa Monica Area.
May 23, 2013	Change Order 105.00 is issued extending the Substantial Completion Deadline by 149 days to October 27, 2013.
May 24, 2013	General Purpose Lane opened in Segment 1 from the I-10 to the Santa Monica Area.
May 30, 2013	Began removal of Falsework at Bridge 7 NB I-405 to EB Wilshire Off-ramp.

June 11, 2013	Additional NB General Purpose Lane is opened to traffic from Santa Monica Blvd. to Wilshire Blvd.
June 20, 2013	Completed work on Bridge 7, NB 405 to EB Wilshire Off-ramp.
June 21, 2013	Completed installation of girders on Bridge 21, Skirball Center Drive OC.
June 22, 2013	Bridge 15, Sunset Blvd. to NB 405 On-ramp, opened to traffic.
June 26, 2013	Bridge 7, NB 405 to EB Wilshire Off-ramp, opened to traffic.
June 29, 2013	Bridge 22, Mulholland OC, completed pouring Top Deck.
July 3, 2013	Bridge 7, NB 405 to EB Wilshire Off-ramp, demolition of existing bridge is completed.
July 18, 2013	Bridge 22, Mulholland OC, Falsework removal is started.
July 30, 2013	Area 2, Santa Monica Area, Median paving is completed.
August 2, 2013	Bridge 14 Sunset NB Off-ramp, 120-Day Closure Window begins.
August 4, 2013	Bridge 14 Sunset NB Off-ramp, Demolition of existing bridge is completed.
August 15, 2013	Bridge 17 Sepulveda UC, Top Deck concrete is poured.
August 22, 2013	Bridge 8 EB Wilshire to NB 405 On-ramp, 90-Day Closure Window begins.
August 22, 2013	Bridge 8 EB Wilshire to NB 405 On-ramp, Demolition of existing bridge is completed.
Sept. 12, 2013	Bridge 14 Sunset Off-ramp, steel girder installation over Sepulveda Blvd. is started.
Sept. 14, 2013	SB I-405 to Valley Vista Off-ramp to EB Wilshire, new Off-ramp is opened to traffic.
Sept. 23, 2013	Bridge 6A and 6B SB I-405 Off-ramp to EB Wilshire, new Off-ramp is opened to traffic.

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Sept. 24, 2013	Bridge 14 Sunset Off-ramp, steel girder installation over Sepulveda Blvd. is completed.
Sept. 30, 2013	SB I-405 to Skirball Center Drive Off-ramp, new Off-ramp is opened to traffic.
October 7, 2013	Bridge 8 EB Wilshire Blvd. to NB I-405 On-ramp, top deck and barrier concrete pour completed.
October 8, 2013	Bridge 2 Exposition Avenue UC, top deck concrete pour completed.
October 25, 2013	Bridge 23 Sepulveda Blvd. UC, top deck concrete pour completed.
October 26, 2013	Bridge 21Skirball Center Dr. OC, top deck concrete pour completed.
October 30, 2013	Bridge 8 EB Wilshire Blvd. to NB On-ramp falsework removed.
November 2, 2013	SB I-405 On-ramp from EB Wilshire Blvd. is opened to full capacity traffic.
November 17, 2013	Bridge 8 EB Wilshire Blvd. to NB I-405 On-ramp is opened to traffic. 90-day closure window is ended.
November 23, 2013	Bridge 14 I-405 NB Off-ramp to Sunset Blvd. Falsework is removed.
November 24, 2013	Bridge 21 Skirball Center Drive OC falsework is removed.
November 25, 2013	Bridge 14 I-405 Off-ramp to Sunset Blvd. is opened to traffic. 120-day closure window is ended.
December 14, 2013	Bridge 17 Church Lane UC, Top Deck Concrete is poured.
December 17, 2013	RW 1720 & 1730, Shotcrete installation is completed.
December 18, 2013	Bridge 22, Mulholland OC, Bridge is opened to full traffic capacity.
December 23, 2013	Bridge 2, Exposition UC, Bridgework is completed.

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January 7, 2014	RW 1730, artwork installation is started.
January 21, 2014	Bridge 21 Skirball Center drive, approach slabs completed.
January 23, 2014	Bridge17 Church Lane, approach slabs completed.
January 24, 2014	Bridge 19 Sepulveda Blvd., bridge work completed.
February 4, 2014	Bridge 23, Sepulveda Blvd., bridge work completed.
February 14, 2014	80-hour lane reduction begins.
February 18, 2014	80-hour lane reduction ends.
February 18, 2014	Area 5-7 median barrier installation and AC grind and overlay, planned during 80-hour lane reduction, completed.
March 4, 2014	Getty Center North Canyon Road Construction begins with drainage system installation.
March 5, 2014	Walls 1720 and 1730 Artwork stenciling completed.
March 12, 2014	Area 6 Skirball Center NB I-405 traffic switched to new median lane.
March 15, 2014	Area 4 Sepulveda Blvd. SB paving replacement from Montana Avenue tor Church Lane begins.
March 21, 2014	Bridge 21, Skirball Center Dr., additional lane, total of 2 SB lanes and 1 NB Lane, opened to traffic.
April 11, 2014	Bridge 9, NB I10 to Wilshire Blvd. HOV Lane opened to traffic.
April 28, 2014	NB I-405 I-10 to Wilshire Blvd. HOV Lane opened to traffic.





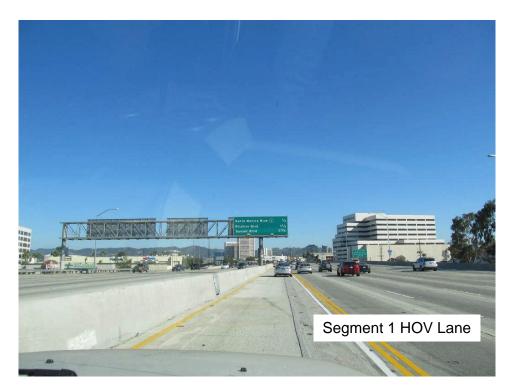












APPENDICES COST AND BUDGET TERMINOLOGY

APPROVED BUDGET: The Approved Project Budget as established by Metro Board of Directors at the time it authorizes Construction Project Management Division to commence full design and construction of the project (Project Adoption).

CURRENT BUDGET: The Original Budget plus all budget amendments approved by formal Metro action. Also referred to as Approved Budget.

CURRENT FORECAST: Evaluation of costs to go combined with actual expenditures.

COMMITMENTS: The total of actual contract awards, executed change orders or amendments, approved work orders of Master Cooperative Agreements, offers accepted for purchase of real estate, and other Metro actions which have been spent or result in the obligation of specific expenditures at a future time.

EXPENDITURES: The total dollar amount of funds expended by Metro for contractor or consultant invoices, third party invoices, staff salaries, real estate and other expenses that is reported in Metro's Financial Information System (FIS).

PROJECT APPROVAL & ENVIRONMENTAL DOCUMENTS: Costs for agency staff and consulting contracts leading to project approval and environmental clearances.

PLANS, SPECS. & ENGINEERING: Agency staff and consulting contract costs between the initial project approval and environmental clearances but prior to start of construction.

RIGHT-OF-WAY SUPPORT: Costs for agency staff involved in real estate appraisal and parcel purchase activities and agency staff costs involved in utility relocations and third party agreements. Includes real estate appraisal costs.

CONSTRUCTION SUPPORT: Agency staff and consulting contract costs occurring during the construction phase of the project.

CONSTRUCTION: Costs for highway construction, bridge and on/off ramp construction and modifications, retaining wall and sound wall construction. Includes final design costs by Design/Build Contractor.

RIGHT-OF-WAY CAPITAL: Costs for real estate parcel purchases and utility relocations costs after approval of utility company agreements. Includes costs for Master Cooperative Agreements after approval by agencies.

APPENDIX

LIST OF ACRONYMS

ARRA American Recovery & Reinvestment Act
AWIS Automated Work Zone Information Systems

CADD Computer Aided Drafting and Design CALTRANS California Department of Transportation

CCTV Closed Circuit Television

CD Calendar Day

CDFG California Department of Fish and Game CEQA California Environmental Quality Act

CM Construction Manager

CMAC Congestion Mitigation Air Quality
CMIA Cash Management Improvement Act

CMS Changeable Message Signs

CN Change Notice
CO Change Order
COE Corps of Engineers
COLA City Of Los Angeles
CPM Critical Path Method

CPUC California Public Utilities Commission

CR Camera Ready

CTC California Transportation Commission

D-B Design-Build
D-B-B Design-Bid-Build
DD Design Development

DEIR Draft Environmental Impact Report

DR Deficiency Report

DWP Department of Water and Power EIR Environmental Impact Report EIS Environmental Impact Statement

FD Final Design

FEIR Final Environmental Impact Report FHWA Federal Highway Administration FIS Financial Information System

FOCT Fiber Optics Cable Transmission System

FTE Full Time Equivalent

GDSR Geotechnical Design Summary Report

GSA General Services Administration GSRD Gross Solids Removal Devices

HAR Highway Advisory Radio HOV High Occupancy Vehicle

IFB Invitation for Bid

IPO Integrated Project Office

ITS Intelligent Transportation Systems

APPENDIX

LIST OF ACRONYMS (Continued)

LA Los Angeles

LABOE Los Angeles Bureau of Engineering
LACFCD Los Angeles County Flood Control District

LADOT Los Angeles Department of Transportation
LADPW Los Angeles Department of Public Works
LADWP Los Angeles Department of Water and Power

LARTMC Los Angeles Regional Transportation Management Center

LFAT Local Field Acceptance Test
LNTP Limited Notice To Proceed
LONP Letter Of No Prejudice

LOP Life of Project

MCA Master Cooperative Agreement

METRO Los Angeles County Metropolitan Transportation Authority

MIS Major Investment Study MOT Maintenance of Traffic

MPSR Monthly Project Status Report MSE Mechanically Stabilized Earth

MVDS Microwave Vehicle Detection System

MVP Maintenance Vehicle Pullouts MWD Metropolitan Water District

N/A Not Applicable

NCR Non-Conformance Report

NEPA National Environmental Quality Act

NHS National Highway System

NOA Notice of Award
NTE Not to Exceed
NTP Notice To Proceed

NTSC National Television System Committee

P6 Primavera Project Planner® (scheduling software)

PC Project Control

PE Preliminary Engineering
PIP Project Implementation Plan

PM Project Manager

PMA Project Management Assistance

PMP Project Management Plan P&P Policies & Procedures

PR Project Report

PS&E Plans, Specs & Engineering

PSR Project Study Report QA Quality Assurance

QAR Quality Assurance Report

APPENDIX

LIST OF ACRONYMS (Continued)

QC Quality Control

QPSR Quarterly Project Status Report

RFC Request For Change or Released for Construction (based on context)

RFP Request For Proposal RMS Ramp Metering Systems ROM Rough Order of Magnitude

ROW Right-Of-Way

SIT System Integration Testing

RSTP Regional Surface Transportation Program RWQCB Regional Water Quality Control Board

Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for

SAFETEA-LUUsers

SCE Southern California Edison SONET Synchronous Optical Network

SOV Schedule Of Value SOW Statement Of Work SP Special Provision TBD To Be Determined

TCRP Traffic Congestion Relief Program

TMS/CS Traffic Monitoring Stations/Count Stations

TPM Transportation Management Plan

VE Value Engineering

WBS Work Breakdown Structure

WP Work Package