Metro

Los Angeles County Metropolitan Transportation Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

Metro

Agenda - Final

Thursday, October 19, 2017

10:15 AM

One Gateway Plaza, Los Angeles, CA 90012,
3rd Floor, Metro Board Room

Construction Committee

James Butts, Chair
Jacquelyn Dupont-Walker, Vice Chair
Robert Garcia
Janice Hahn
Sheila Kuehl
Carrie Bowen, non-voting member

Phillip A. Washington, Chief Executive Officer

METROPOLITAN TRANSPORTATION AUTHORITY BOARD RULES
(ALSO APPLIES TO BOARD COMMITTEES)

PUBLIC INPUT

A member of the public may address the Board on agenda items, before or during the Board or Committee's consideration of the item for one (1) minute per item, or at the discretion of the Chair. A request to address the Board should be submitted in person at the meeting to the Board Secretary. Individuals requesting to speak on more than three (3) agenda items will be allowed to speak up to a maximum of three (3) minutes per meeting. For individuals requiring translation service, time allowed will be doubled.

Notwithstanding the foregoing, and in accordance with the Brown Act, this agenda does not provide an opportunity for members of the public to address the Board on any Consent Calendar agenda item that has already been considered by a Committee, composed exclusively of members of the Board, at a public meeting wherein all interested members of the public were afforded the opportunity to address the Committee on the item, before or during the Committee's consideration of the item, and which has not been substantially changed since the Committee heard the item.

The public may also address the Board on non-agenda items within the subject matter jurisdiction of the Board during the public comment period, which will be held at the beginning and/or end of each meeting. Each person will be allowed to speak for up to three (3) minutes per meeting and may speak no more than once during the Public Comment period. Speakers will be called according to the order in which the speaker request forms are received. Elected officials, not their staff or deputies, may be called out of order and prior to the Board's consideration of the relevant item.

In accordance with State Law (Brown Act), all matters to be acted on by the MTA Board must be posted at least 72 hours prior to the Board meeting. In case of emergency, or when a subject matter arises subsequent to the posting of the agenda, upon making certain findings, the Board may act on an item that is not on the posted agenda.

CONDUCT IN THE BOARD ROOM - The following rules pertain to conduct at Metropolitan Transportation Authority meetings:

REMOVAL FROM THE BOARD ROOM The Chair shall order removed from the Board Room any person who commits the following acts with respect to any meeting of the MTA Board:

a. Disorderly behavior toward the Board or any member of the staff thereof, tending to interrupt the due and orderly course of said meeting.
b. A breach of the peace, boisterous conduct or violent disturbance, tending to interrupt the due and orderly course of said meeting.
c. Disobedience of any lawful order of the Chair, which shall include an order to be seated or to refrain from addressing the Board; and
d. Any other unlawful interference with the due and orderly course of said meeting.

INFORMATION RELATING TO AGENDAS AND ACTIONS OF THE BOARD

Agendas for the Regular MTA Board meetings are prepared by the Board Secretary and are available

DISCLOSURE OF CONTRIBUTIONS

The State Political Reform Act (Government Code Section 84308) requires that a party to a proceeding before an agency involving a license, permit, or other entitlement for use, including all contracts (other than competitively bid, labor, or personal employment contracts), shall disclose on the record of the proceeding any contributions in an amount of more than $250 made within the preceding 12 months by the party, or his or her agent, to any officer of the agency, additionally PUC Code Sec. 130051.20 requires that no member accept a contribution of over ten dollars ($10) in value or amount from a construction company, engineering firm, consultant, legal firm, or any company, vendor, or business entity that has contracted with the authority in the preceding four years. Persons required to make this disclosure shall do so by filling out a "Disclosure of Contribution" form which is available at the LACMTA Board and Committee Meetings. Failure to comply with this requirement may result in the assessment of civil or criminal penalties.

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Internet Access to Agendas - www.metro.net
TDD line (800) 252-9040

NOTE: ACTION MAY BE TAKEN ON ANY ITEM IDENTIFIED ON THE AGENDA

CALL TO ORDER

ROLL CALL

APPROVE Consent Calendar Item: 28.

Consent Calendar items are approved by one motion unless held by a Director for discussion and/or separate action.

CONSENT CALENDAR

28. SUBJECT: DIVISION 20 PORTAL WIDENING TURNBACK PROJECT 2017-0618

RECOMMENDATION

CONSIDER:

A. FINDING that awarding a design-build contract pursuant to Public Utilities Code Section 130242 (a) will achieve certain private sector efficiencies in the integration of design, project work, and components related to electrification for the Division 20 Portal Widening Turnback Project; and

(REQUIRES TWO-THIRDS VOTE OF THE BOARD)

B. AUTHORIZING the Chief Executive Officer to solicit and award a low bid design-build contract for the electrification improvements required for the Division 20 Portal Widening Turnback Project, pursuant to Public Utilities Code Section 130242.

NON-CONSENT

29. SUBJECT: PROGRAM MANAGEMENT MAJOR PROJECT STATUS REPORT 2017-0641

RECOMMENDATION

RECEIVE oral report on the Major Project Status by the Chief Program Management Officer.

Attachments: Program Management Major Project Status Report - October 2017

30. SUBJECT: ORAL REPORT FROM COUNTY COUNSEL 2017-0697

RECOMMENDATION

RECEIVE oral report from Counsel on Legal Issues Impacting Women Hiring Goals on Metro Contracts.

31. SUBJECT: INSPECTION OF STRUCTURES CONTRACT 2017-0617

RECOMMENDATION

CONSIDER:

A. AUTHORIZING the Chief Executive Officer to execute a seven-year, firm fixed price Contract No. AE39820000, with Owen Group, Inc. for the inspection of Metro structures, including light rail, roadway, bikeway, and busway bridges, elevated stations, subway tunnels, and retaining walls, comprised of a base term of five years in the amount of $2,477,273, with two, one-year options, in the amounts of $510,100 for option year one, and $512,250 for option year two, for a combined total of $3,499,623, subject to the resolution of protest(s), if any; and

B. APPROVING Contract Modification Authority specific to Contract No. AE39820000 in the amount of $699,925 or 20% of the total contract value, to cover any unforeseen issues that may arise during the course of the Contract.

Attachments: Attachment A - Procurement Summary

Attachment B - DEOD Summary

35. SUBJECT: WESTSIDE PURPLE LINE EXTENSION SECTION 3 PROJECT CONSTRUCTION MANAGEMENT SUPPORT SERVICES 2017-0610

RECOMMENDATION

CONSIDER:

A. AUTHORIZING the Chief Executive Officer (CEO) to execute an eight-year and six-month cost-plus fixed fee contract plus two one-year options, Contract No. AE87192000MC073, to MPPC Partners, a Joint Venture to provide Construction Management Support Services for the Westside Purple Line Extension Section 3 Project in an amount not-to-exceed $7,009,872 for services through Fiscal Year 2019, subject to resolution of protest(s), if any; and

B. ESTABLISHING Contract Modification Authority for 15% of the not-to-exceed contract award value and authorize the CEO to execute individual Contract Modifications within the Board approved Contract Modification Authority.

Attachments: Attachment A_ Procurement Summary_WPLE_Sect 3 CMSS 10 10 17

Attachment B - DEOD Summary

Adjournment

Consideration of items not on the posted agenda, including: items to be presented and (if requested) referred to staff; items to be placed on the agenda for action at a future meeting of the Committee or Board; and/or items requiring immediate action because of an emergency situation or where the need to take immediate action came to the attention of the Committee subsequent to the posting of the agenda.

Los Angeles County
Metropolitan Transportation
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One Gateway Plaza
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Board Report

File #: 2017-0641, **File Type:** Oral Report / Presentation **Agenda Number:** 29.

CONSTRUCTION COMMITTEE
OCTOBER 19, 2017

SUBJECT: PROGRAM MANAGEMENT MAJOR PROJECT STATUS REPORT

ACTION: RECEIVE ORAL REPORT

RECOMMENDATION

RECEIVE oral report on the Major Project Status by the Chief Program Management Officer.

DISCUSSION

A. Update report covering the month of October 2017 by the Chief Program Management Officer; and

B. At the January 2017 meeting, the Board authorized a one-year pilot program authorizing the CEO to negotiate and execute project-related agreements, including contract modification(s) up to the authorized Life of Project budget, to streamline project management of the four (4) major transit corridor projects (Crenshaw/LAX, Regional Connector, Westside Purple Line Extension Section 1 and 2 projects). In addition, staff was directed to provide monthly reports, that would include any pending project-related agreements, change orders/contract modifications and any significant changes to contingency.

Pursuant to the Board motion, staff has developed and begun reporting on cost contingency and contract change activity starting in the February 2017 Monthly Update to the Construction Committee. This new report includes a project cost contingency drawdown curve and allows the Board to see project-related and change activity. This report can be found in Attachment A.

At the conclusion of the one-year pilot program in January 2018, staff will report back to the Board on the time saved as result of this pilot program, and any lessons learned, and recommendations for the Board review and further direction.

ATTACHMENTS

Attachment A - Program Management Major Project Status Report - October 2017

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Prepared by:

- **Master Schedule -** Julie Owen, DEO, Project Mgmt., (213)922-7313
- **Crenshaw/LAX -** Charles Beauvoir, EO Project Mgmt., (213) 299-3095
- **Regional Connector -** Gary Baker, EO Project Mgmt., (213) 893-7191
- **Westside Purple Line Ext 1 -** James Cohen, EO Project Mgmt., (213) 922-7911
- **Westside Purple Line Ext 2 -** Michael McKenna, EO Project Mgmt., (213) 312-3132
- **Westside Purple Line Ext 3 -** Michael McKenna, EO Project Mgmt., (213) 312-3132
- **Patsaouras Plaza Busway Station -**Timothy Lindholm, EO Project Engr., (213) 922-7297
- **Willowbrook/Rosa Park Station -**Timothy Lindholm, EO Project Engr., (213) 922-7297
- **Blue Line Projects -** Androush Danielians, EO Project Engr (Interim)., (213) 922-7598
- **Presentation -** Yohana Jonathan, Departmental System Analyst, (213) 922-7592

Program Management
Major Project Status Report

Presented By

Richard Clarke

Chief Program Management Officer

October 2017

Construction Committee
Los Angeles County Metropolitan Transportation Authority

Metro

PROJECT BUDGET & SCHEDULE STATUS SUMMARY CHART

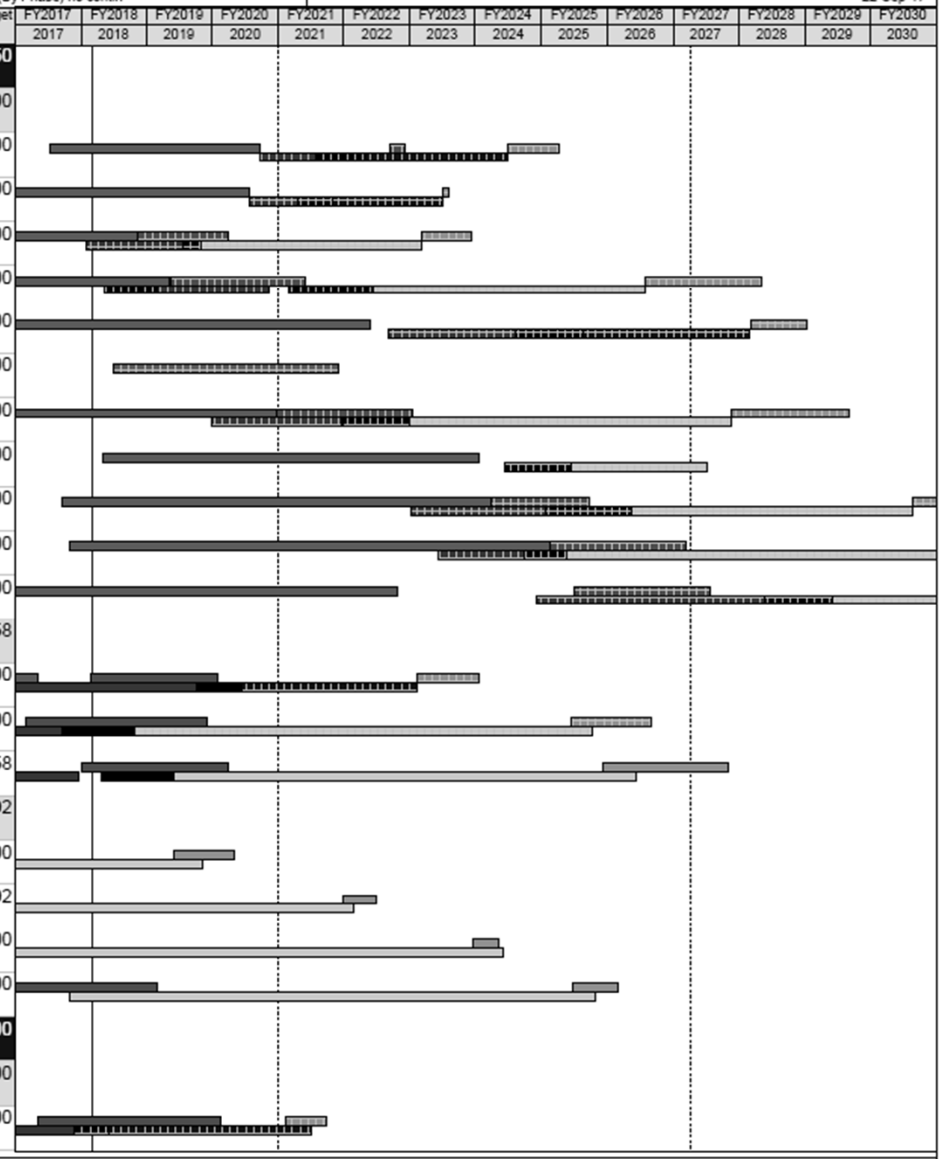
Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX	◇	◇	The remaining cost contingency is below 2% of the total project budget ($38 million in contingency remains). Contractor is 15 days behind schedule and is required to mitigate schedule to maintain planned revenue service in October 2019.
Regional Connector	OK	OK	Project is proceeding consistent with schedule forecast and revised LOP budget as approved by the Board in January 2017.
Westside Purple Line Extension-Section 1	OK	OK	Project is 23% complete, no significant issues.
Westside Purple Line Extension-Section 2	OK	OK	Issued Notice to Proceed (NTP) to Tutor Perini/O&G a JV (TPOG) on April 26, 2017. Project is 3% complete, no significant issues.
Westside Purple Line Extension-Section 3	OK	OK	Requested entry into the Engineering Phase from the FTA in April 2017. Sent request for Letter of No Prejudice (LONP) to FTA on September 15, 2017.
Patsaouras Plaza	OK	◇	Schedule negotiations in progress regarding revised substantial completion date of November 2018.
Willowbrook/Rosa Parks Station	OK	OK	Design activities progressed to 100% complete and in final reviews.

OK On target ◇ Possible problem ⚠ Major issue

TRANSIT MASTER SCHEDULE (Page 1 of 2)

TASK filters: Show on Master Schedule, WBS Categories_WBS Summary. | * 00 Master Program (By Phase) no contin | 22-Sep-17

Activity Name	PMIS Project Manager	Start	Finish	Original Budget
Transit Projects		**01-Mar-07 A**	**31-Jan-48**	**$33,614,403,650**
Environmental		01-Mar-07 A	31-Jan-48	$18,554,000,000
North San Fernando Valley BRT Improvements	Cencic	04-Jan-17 A	09-Oct-24	$180,000,000
North Hollywood to Pasadena BRT	Richmai	30-Jan-15 A	24-Jul-23	$267,000,000
Orange Line Grade Separations	Patel	23-May-16 A	10-Jan-24	$286,000,000
East San Fernando Valley Transit Corridor	Davis	11-Oct-10 A	05-Nov-27	$1,331,000,000
Vermont BRT Corridor	Cencic	30-Jan-15 A	13-Jul-28	$425,000,000
Crenshaw Northern Extension	Moosavi	29-Dec-17	31-Jan-48	$2,240,000,000
West Santa Ana Transit Corridor	Pan	01-Oct-09 A	08-Mar-29	$4,000,000,000
Sepulveda Pass Phase 1 - Express Lanes	Wong	01-Nov-17	13-Oct-27	$260,000,000
South Bay Green Line Ext. Crenshaw Blvd in Torr	Khanna	23-Mar-17 A	29-Jan-32	$891,000,000
Sepulveda Pass Phase 2 & 3 - Transit Corridor	Zelmer	26-Apr-17 A	12-Aug-36	$5,674,000,000
Eastside Transit Corridor Phase 2 (1 Align)	Liu	01-Mar-07 A	06-Apr-35	$3,000,000,000
Design		04-Oct-10 A	28-Apr-27	$5,508,270,758
Airport Metro Connector	Zelmer	04-Oct-10 A	26-Jul-23	$623,400,000
Purple Line Extension Section 3	McKenna	29-Feb-16 A	03-Sep-26	$3,478,000,000
Gold Line Foothill Extension Phase 2B	Meade	02-Oct-13 A	28-Apr-27	$1,406,870,758
Construction Contract		01-Jun-07 A	31-Dec-26	$9,552,132,892
Crenshaw/LAX Transit Corridor	Beauvoir	01-Jul-09 A	30-Oct-19	$2,058,000,000
Regional Connector Transit Corridor	Baker	26-Jan-09 A	24-Feb-23	$1,810,132,892
Purple Line Extension Section 1	Cohen	01-Jun-07 A	31-Oct-24	$3,154,300,000
Purple Line Extension Section 2	McKenna	02-Mar-15 A	31-Dec-26	$2,529,700,000
Transit Facilities		**17-Dec-13 A**	**10-Apr-24**	**$690,246,000**
Design		17-Dec-13 A	10-Apr-24	$690,246,000
Willowbrooks/Rosa Parks Station Improvement	Lindholm	07-May-15 A	29-Mar-21	$102,546,000

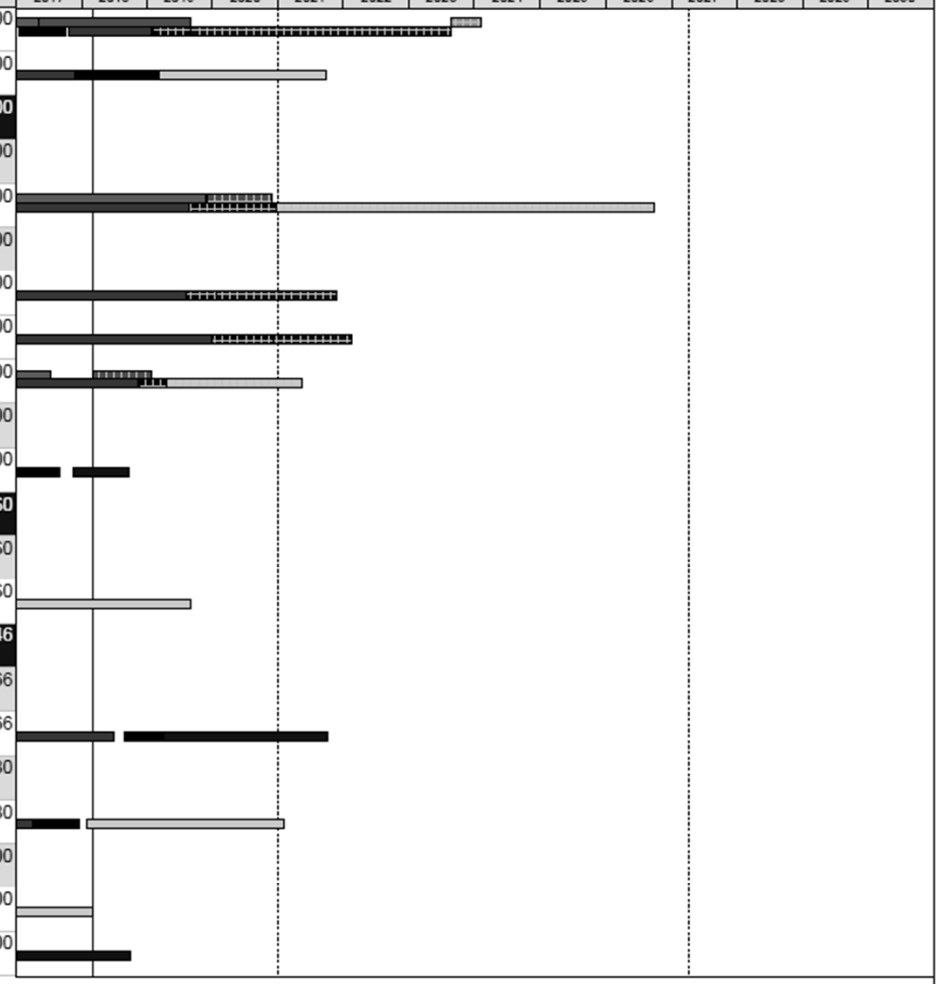


Planning / Environmental | ROW / Utility Relocation | DB Construction | System Testing | Not Funded (Env/ROW/Test)
Design / Engineering | Adv / Award | DBB Construction | Not Funded (Eng/Bid/Con)

TRANSIT MASTER SCHEDULE (Page 2 of 2)

TASK filters: Show on Master Schedule, WBS Categories_WBS Summary. | * 00 Master Program (By Phase) no contin | 22-Sep-17

Activity Name	PMIS Project Manager	Start	Finish	Original Budget
Div 20 Portal/Turnback	Meade	16-May-16 A	10-Apr-24	$475,000,000
Emergency Security Operations Center	Owens	17-Dec-13 A	23-Sep-21	$112,700,000
Regional Rail Projects	**Owens**	**02-Sep-13 A**	**20-May-27**	**$3,099,400,000**
Environmental	Owens	01-Dec-14 A	20-May-27	$2,662,000,000
Link Union Station	Owens	01-Dec-14 A	20-May-27	$2,662,000,000
Design	Owens	01-Apr-15 A	26-Oct-21	$422,400,000
Brighton to Roxford Double Track	Owens	01-Sep-15 A	27-Sep-21	$186,600,000
Lone Hill to CP White	Owens	03-May-16 A	26-Oct-21	$82,000,000
Rosecrans & Marquardt Grade Separation	Owens	01-Apr-15 A	19-Apr-21	$153,800,000
Construction Contract	Owens	02-Sep-13 A	01-Jun-18	$15,000,000
Bob Hope Airport Station	Owens	02-Sep-13 A	01-Jun-18	$15,000,000
Bus Facilities Projects	**Gurrola**	**31-Mar-14 A**	**28-Feb-19**	**$0**
Construction Contract	Gurrola	31-Mar-14 A	28-Feb-19	$0
Patsouras Plaza	Gurrola	31-Mar-14 A	28-Feb-19	$0
State of Good Repair/Improvements		**01-Jul-13 A**	**31-Mar-21**	**$180,999,946**
Design	Danielans	13-Jun-16 A	31-Mar-21	$11,078,366
210 Freeway Barrier Rail	Danielans	13-Jun-16 A	31-Mar-21	$11,078,366
Procurement	Wei	21-Sep-15 A	03-Aug-20	$118,990,580
MBL Resignaling	Wei	21-Sep-15 A	03-Aug-20	$118,990,580
Construction Contract		01-Jul-13 A	30-Mar-18	$50,931,000
Pershing Sq. Esc. Replace & New Canopy Project	Patel	11-May-15 A	31-Aug-17 A	$20,756,000
MBL Ped Safety Enhancement At-Grade Crossing	Chong	01-Jul-13 A	30-Mar-18	$30,175,000



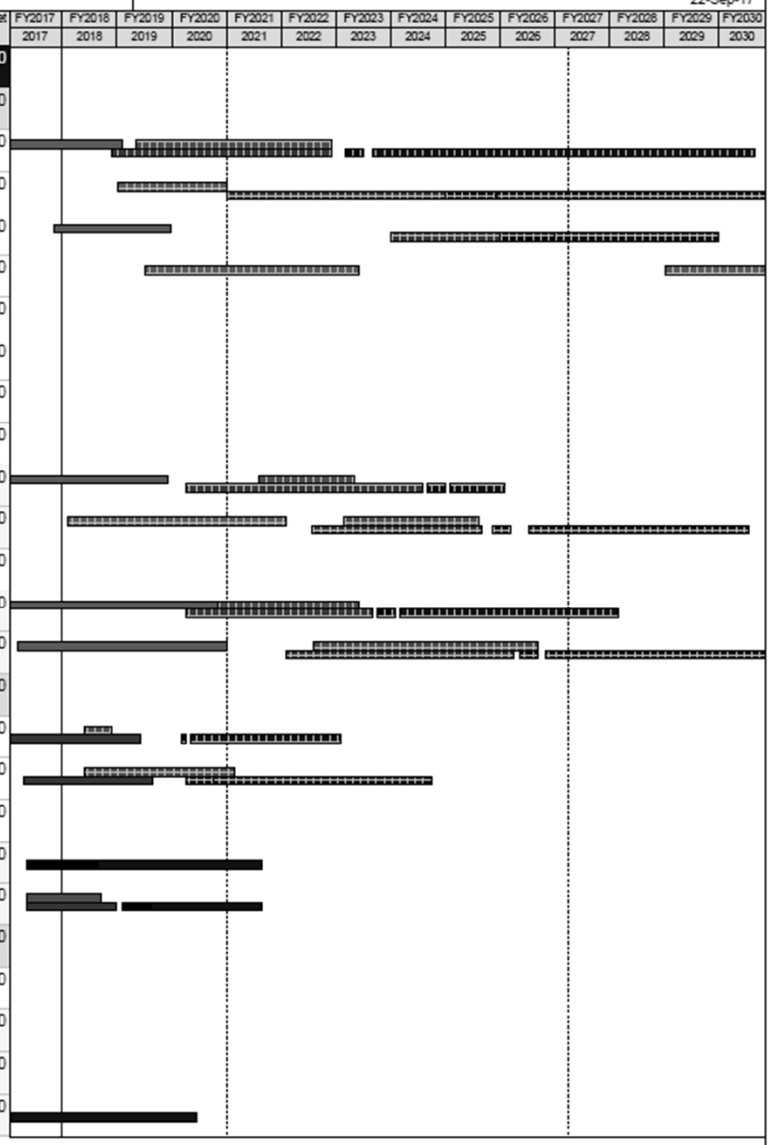
Planning / Environmental | ROW / Utility Relocation | DB Construction | System Testing | Not Funded (Env/ROW/Test)
Design / Engineering | Adv / Award | DBB Construction | Not Funded (Eng/Bid/Con)

HIGHWAY MASTER SCHEDULE (Page 1 of 2)

* 00 Hwy Master Program Schedule (By Pha

22-Sep-17

Activity Name	PMIS Project Manager	Start	Finish	Original Budget
Highway Projects		**01-Jan-96 A**	**28-Jun-47**	**$18,197,321,000**
Environmental		02-Jan-08 A	28-Jun-47	$14,219,960,000
I-710 South	Chaves	02-Jan-08 A	01-Mar-30	$8,028,100,000
SR-57/SR-60 Interchange Improvements	Jong	03-Jul-18	30-Sep-30	$770,000,000
I-105 Express Lane from I-405 to I-605	Amiri	01-May-17 A	29-Jun-29	$175,000,000
I-5 Corridor Improvements (I-605 to I-710)	Chaves	02-Jan-19	30-Jun-42	$1,105,060,000
I-405/I-110 Interchange HOV Direct Connectors	Panuco	01-Jun-32	30-Jun-44	$250,000,000
I-110 Express Lane Ext South to I-405/I-110 Interchange	Amiri	01-Jul-36	31-Dec-46	$280,000,000
I-605/I-10 Interchange	Jong	01-Jul-33	28-Jun-47	$598,400,000
I-605 Interchange Improvements	Various	01-Jun-16 A	15-Jan-30	$673,300,000
I-605/SR-91 Interchange Improvements	Various	01-Jun-16 A	01-Aug-25	$143,300,000
I-710/SR-91 Interchange Improvements	Various	01-Aug-17	15-Jan-30	$530,000,000
I-605 Corridor Improvements	Panuco	01-Oct-15 A	01-May-30	$2,340,100,000
I-605/I-5 Interchange Improvements	Panuco	01-Oct-15 A	01-Sep-27	$1,108,100,000
I-605/SR-60 Interchange Improvements	Panuco	31-Aug-16 A	01-May-30	$1,232,000,000
Design		15-Dec-10 A	01-Apr-24	$1,235,880,000
I-5 North Capacity Enhancement (SR-14 to Parker Rd.)	Antaramian	02-Jul-12 A	29-Jul-22	$784,080,000
SR-71 Gap Between I-10 to Rio Rancho Rd	Jong	17-Oct-16 A	01-Apr-24	$295,000,000
Countywide Soundwall Construction	Owen	15-Dec-10 A	18-Feb-21	$156,800,000
Package #11 - SR-170 from 101 to Sherman Way and I-405	Owen	15-Dec-10 A	18-Feb-21	$97,500,000
Package #10 - SR-210 Fair Oaks, Lake and Baldwin to Santa Anita	Owen	02-Sep-14 A	17-Feb-21	$59,300,000
Construction Contract		01-Jan-96 A	01-Aug-22	$2,741,481,000
I-5 North Capacity Enhancements SR-134 to SR-118	Subeh	01-Apr-98 A	15-Jun-20	$853,900,000
SR-118 to SR-170 (Segment 1A)	Subeh	30-Jul-99 A	15-Jul-16 A	$219,400,000
SR-170 to Buena Vista (Segments 2)	Subeh	01-Apr-98 A	16-Dec-15 A	$94,700,000
Magnolia to SR-134 (Segment 4)	Subeh	01-Apr-98 A	18-Dec-19	$137,400,000



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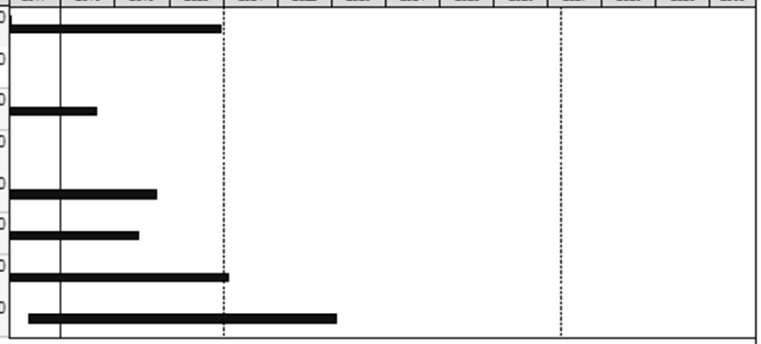
HIGHWAY MASTER SCHEDULE (Page 2 of 2)

* 00 Hwy Master Program Schedule (By Pha

22-Sep-17

Activity Name	PMIS Project Manager	Start	Finish	Original Budget
Buena Vista to Magnolia (Segment 3)	Subeh	01-Apr-98 A	15-Jun-20	$402,400,000
I-5 South Capacity Enhancements from I-605 to Orange County Line	Gau	01-Jan-96 A	01-Aug-22	$1,887,581,000
I-5 Carmenita Road Interchange	Gau	01-Jan-01 A	01-Mar-18	$419,214,000
Alondra (Segment 1)	Gau	01-Jan-01 A	19-May-16 A	$114,071,000
Imperial Highway (Segment 4)	Gau	01-Jan-01 A	01-Apr-19	$323,285,000
Shoemaker - Rosecrans (Segment 3)	Gau	01-Jan-96 A	03-Dec-18	$188,216,000
Florence (Segment 5)	Gau	01-Jan-01 A	30-Jul-20	$211,671,000
Valley View (Segment 2)	Gau	01-Jan-96 A	01-Aug-22	$631,124,000



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Not Funded (Env/ROW/Con)

CRENSHAW/LAX TRANSIT PROJECT

BUDGET

	Current	Forecast
TOTAL COST	$2,058M	$2,058M

SCHEDULE

REVENUE OPERATION	Current	Forecast
	Oct 2019	Oct 2019

- Overall Project Progress is 72% complete; main line contractor needs to mitigate 15 day delay
- Contractor continues trackwork installation along southern area of alignment
- Canopy steel is install at two at-grade stations
- Commenced concrete placement of first station roof section at Expo/Crenshaw Station
- Southwestern Yard contractor is ahead of schedule constructing main shop and other facilities

Aerial view of UG#3 north of Hyde Park Blvd.

Switch for crossover at Aviation/Century Bridge.

REGIONAL CONNECTOR TRANSIT CORRIDOR

BUDGET

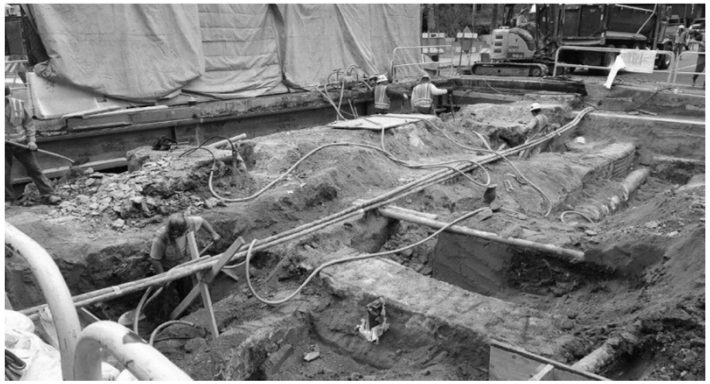
	Current	Forecast
TOTAL COST	$1,810M	$1,810M

* Includes Board approved LOP plus finance costs.

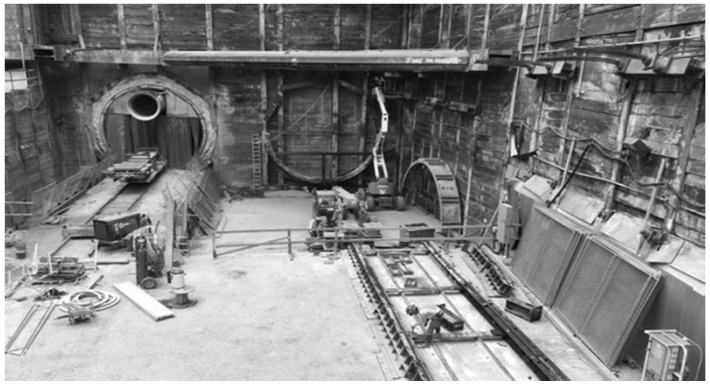
SCHEDULE

	Current	Forecast
REVENUE OPERATION	Dec 2021	Dec 2021

- Overall Project Progress is 40%
- Tunneling operations: Tunnel Boring Machines (TBM) second bore launched successfully; now moving through mixed alluvium sector
- 1st/Central (future Little Tokyo Station) is under steady state until tunnel operations are completed
- Historic Broadway Station is also under steady state; support of excavation and 126” storm drain replacement continues
- Grand Ave Arts/Bunker Hill Station concourse level invert installation, and tunnel eye and track installation began in preparation for second bore;
- Flower Street power relocations, support of excavation, pile installation, decking and excavation ongoing



Excavation and utilities support in preparation for deck beam installation



Tunnel eye and track installation at Grand Av Arts/Bunker Hill Station

WESTSIDE PURPLE LINE EXTENSION – SECTION 1

BUDGET

	Current	Forecast
TOTAL COST*	$3,154M	$3,154M

* Includes Board approved LOP plus Finance costs.

SCHEDULE

	Current	Forecast
REVENUE OPERATION	Oct 2024 (FFGA)	Nov 2023

- Overall Project Progress is 23% complete
- Sanitary sewer relocation started at the Wilshire/Western shaft area on the weekend of September 23, 2017. Support of Excavation (SOE) pile installation is anticipated to begin in October 2017
- Excavation for the Wilshire/La Brea Station commenced on October 12, 2016 and continues beneath the deck panels. Station excavation is scheduled to complete by December 2017
- At the Wilshire/Fairfax Station, the hanging of utilities under the concrete deck panels is ongoing. Station excavation and the installation of walers and struts continues
- The Wilshire/La Cienega Station piling operation commenced on March 20, 2017. Stage 2 piling along the north side of Wilshire Boulevard, which began on July 15, 2017, continues. Street decking is scheduled to start on the weekend of October 6, 2017
- Tunnel Boring Machines (TBMs) are being prepared for delivery at the end of 2017. TBMs #1 & #2 have been accepted by the contractor. Tunneling is planned to start in 2018

Under Deck Excavation at Wilshire/La Brea Station

WPLE Section 1 TBMs

WESTSIDE PURPLE LINE EXTENSION – SECTION 2

OK **BUDGET**

	Current	Forecast
TOTAL COST*	$2,530M	$2,530M

* Includes Board approved LOP plus Finance costs.

OK **SCHEDULE**

	Current	Forecast
REVENUE OPERATION	Dec 2026 (FFGA)	Aug 2025

- Overall project progress is 3% complete.
- Received 60% Design Package #1 (Utility/Civil Design at Launch Box) in August 2017 and comments returned in September 2017.
- Received submittal of 60% Design Package #2 (Remaining Utility Conflicts) in September 2017. Review underway.
- Draft Supplemental Environmental Impact Statement (SEIS): Anticipate publication of Notice of Availability (NOA) in November 2017.
- Century City Constellation: Cable pulling and splicing work is anticipated to complete in September 2017. Southern California Gas (SCG) and AT&T utility relocations are underway.
- Wilshire/Rodeo: Southern California Edison (SCE) began relocation of power lines in September 2017. SCG and AT&T to follow once SCE relocations are complete.
- Negotiations with the City of Beverly Hills for a Memorandum of Agreement (MOA) governing utility work began in March 2017 and is continuing.

LADWP power relocation work in Century City

WESTSIDE PURPLE LINE EXTENSION – SECTION 3

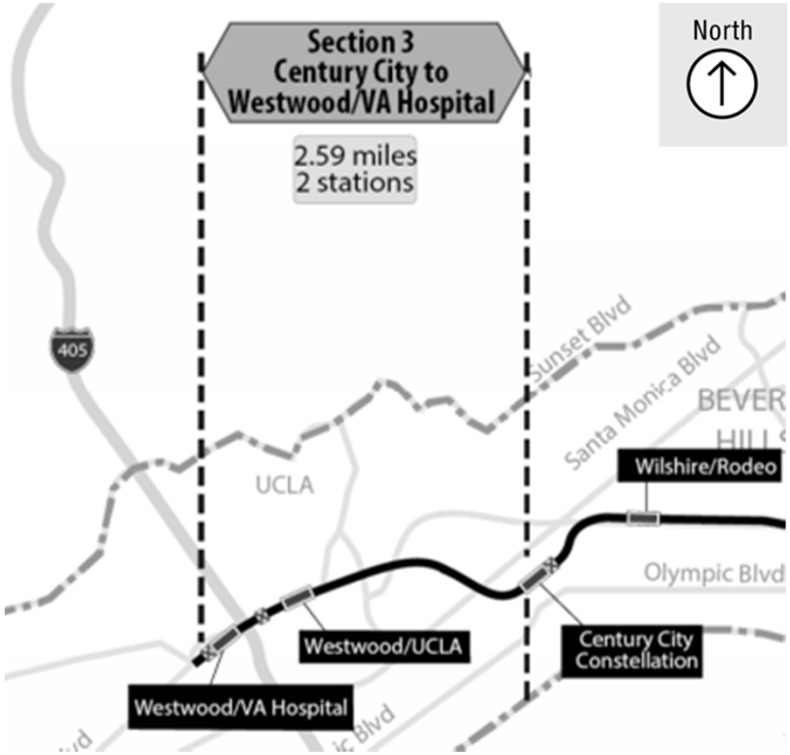
OK **BUDGET**

	Current	Forecast
TOTAL COST	TBD	$3,478M

OK **SCHEDULE**

	Current	Forecast
REVENUE OPERATION	TBD	March 2026

- Request for Letter of No Prejudice (LONP) for the Tunnel Contract was submitted to the FTA on September 11, 2017
- Construction Management Support Services (CMSS) - Recommendation for award is anticipated in October 2017 and subsequent Notice to Proceed (NTP) in November 2017
- C1151 Tunnel Contract - Technical proposals are due on October 27, 2017 and price proposals on January 29, 2018. Recommendation for award is anticipated in March 2018
- C1153 Advanced Utility Relocations (AUR) Contract - Recommendation for award is anticipated in October 2017 and subsequent NTP in November 2017
- C1152 Stations, Trackwork and Systems Contract - Request for Qualifications (RFQ)/Request for Proposals (RFP) was issued on September 15, 2017



PATSAOURAS PLAZA BUSWAY STATION

OK BUDGET	Current	Forecast
TOTAL COST	$39.7M	$39.7M

SCHEDULE	Current	Forecast
SUBSTANTIAL COMPLETION	Nov 2018	Nov 2018

- All drilled foundations were completed in July 2017. Column construction is ongoing
- First concrete pour for bridge abutment completed August 2017. Falsework on north and south sides ongoing
- Sanitary sewer and storm drain relocations were completed in August 2017
- Ramirez Street closure is complete. Vignes Street on/off-ramp reopen on September 15, 2017. There will be intermittent non-peak closures in September/October 2017
- Schedule negotiations in progress for revised substantial completion date due to weather and design delays

Aerial view of site

Completed bridge column

Bent 4 Foundation

WILLOWBROOK/ROSA PARKS STATION

OK BUDGET

	Current	Forecast
TOTAL COST	N/A	$92.4M

OK SCHEDULE

	Current	Forecast
SUBSTANTIAL COMPLETION	Dec 2020	Dec 2020

- Early Start Phase (Project E) in bid period – scheduled to break ground December 2017
- Phase A and C at 100% design completion. Phase A in review by County, Phase C with Caltrans
- Pedestrian grade crossing documents submitted to Union Pacific (UP) and Public Utilities Commission PUC
- Phase B at 100% design completion and in early coordination for Peer review with CalTrans
- Phase A and C invitation for bids scheduled for late 2017

South Platform Improvements

Central Plaza & Bus Bays

Main Plaza

METRO BLUE LINE PROJECTS

Project Name	Budget	Percent Completed	Forecast Completion	Status
• Station Refurbishment	$30.4M	100%	Completed	OK
• Pedestrian Gates	$30.2M	85%	March 2018	◇
• City of Long Beach Fare Gates Design (PE)	$8M*	95%(PE)	Aug 2019	OK
• Blue Line Rehabilitation (OCS, Signals, Div. 11)	$119M*		Aug 2021**	

Total: $186.6M

***Budget Estimate** ****Project Closeout**

Crenshaw/LAX Transit Project

August 2017

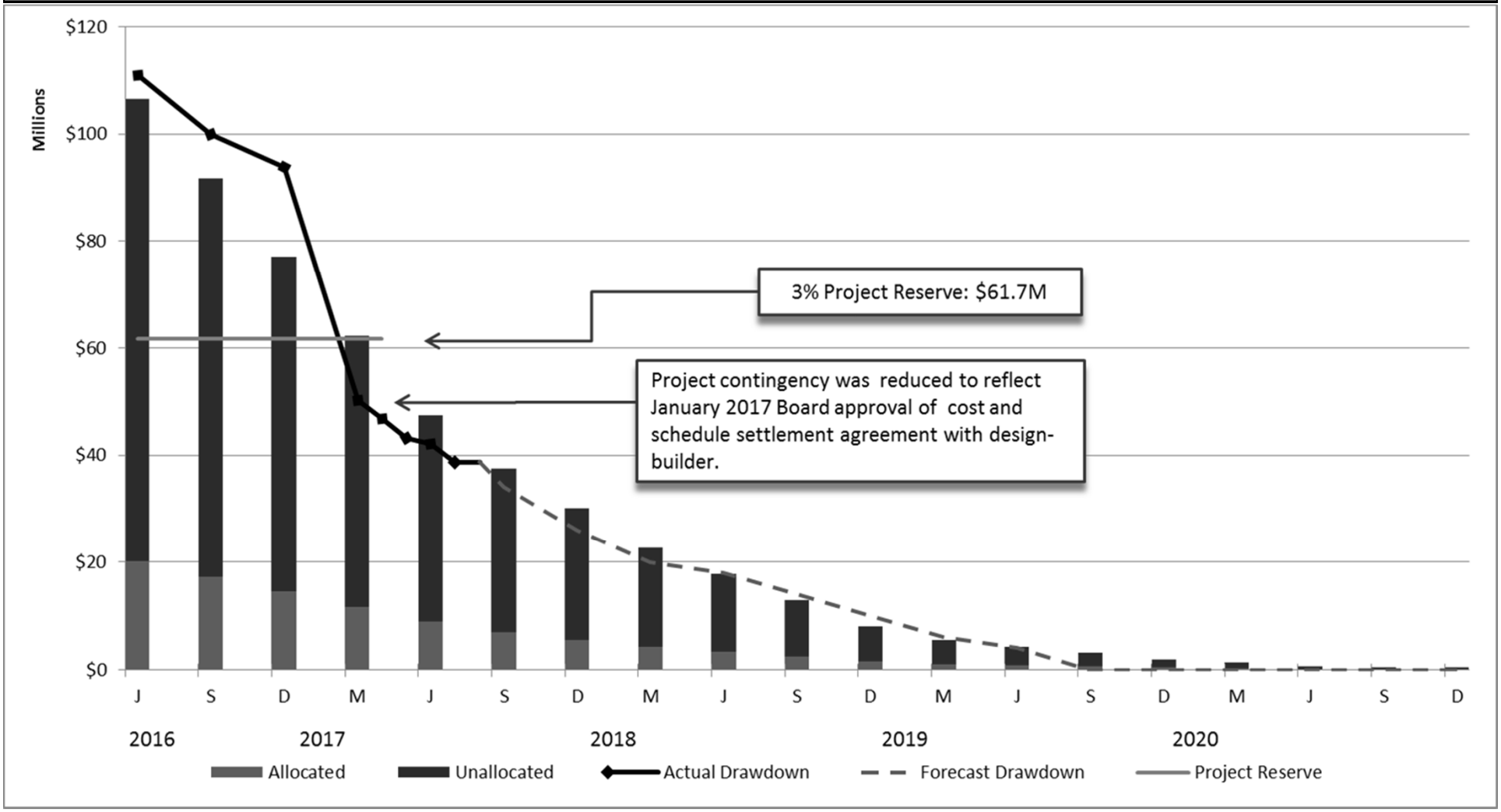
Change Activity

Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
DESIGN BUILD - CONTRACT C0988			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS AND APPROVED CHANGE ORDERS	305	$ 74,053,056
	TOTAL PENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST	18	$ 1,704,479
MOD 00256	Black Diamond Vault 5436 Crenshaw Bl		Less than $1 million
MOD 00269	Remove Trees over MWD Easement		Less than $1 million
MOD 00270	Unit Rates for Incidental Const Work		Less than $1 million
MOD 00293	Asbestos Cement Pipe 63rd & Tesoro		Less than $1 million
MOD 00294.1	Station Entrance Artwork - Design		Less than $1 million
MOD 00298	Design- Delete Tree Well Brick Pavers		Less than $1 million
MOD 00302	LABSL Added Light Pole Centry-Design		Less than $1 million
MOD 00305	Extend 104th St. Deck Lid-Construct		Credit Less than $1 million
MOD 00306	Settlement of Calim 36, 79, 79.1, 97		Less than $1 million
MOD 00308	Florence/West Park-and-Ride Parking		Less than $1 million
MOD 00309	Delete Onyxworks Network		Credit Less than $1 million
MOD 00311	Unforeseen Concrete at 104th Bridge		Less than $1 million
MOD 00234	LADOT Fiber Optic Cable Betterment		Less than $1 million
MOD 00304	BkChrg Metro pymnts to COLA TCO		Credit Less than $2 million
MOD 00312	Centinela and Eucalyptus Crossing Re		Less than $1 million
CO 00046.5	Underground Conduit & Cable		Less than $1 million
CO 00129	Elimination Crosver Sta 56+57.50		Credit Less than $1 million
CO 00178	COLA Roadway & Curb Rev Construction		Less than $1 million
	TOTAL MODIFICATIONS AND CHANGE ORDERS	323	$ 75,757,535
PROFESSIONAL SERVICES CONTRACT			
Design Support Services During Construction - CONTRACT E0117			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	42	$ 59,217,720
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	$ -
	TOTAL MODIFICATIONS	42	$ 59,217,720
Construction Management Support Services - CONTRACT MC069			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	18	$ 69,484,775
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	$ -
	TOTAL MODIFICATIONS	18	`

Crenshaw/LAX Transit Project

August 2017

Project Cost Contingency Drawdown



Regional Connector

Change Activity

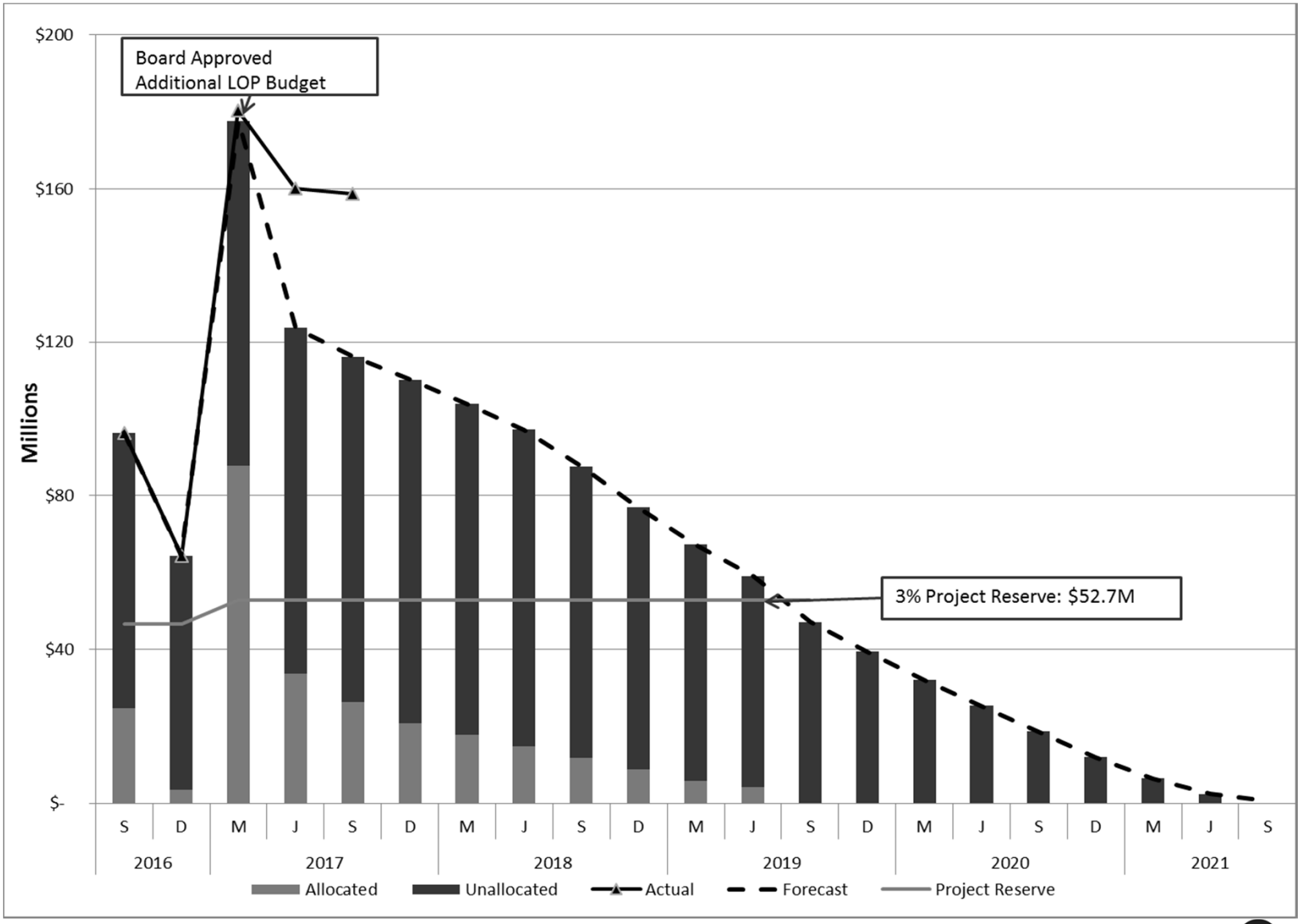
August 2017

Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
DESIGN BUILD CONTRACT (C0980)			
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS AND CHANGE ORDERS:	92	$ 149,322,791
	TOTAL PENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST:	35	$ 68,121,247
	1st/Alameda Bumpout (Construction)		Less Than $1 Million
TBD	Flower Street Modification: future 2-way Traffic /Bumpout/Ped Lighting (Construction Only)		Between $1 and $5 Million
TBD	Revise Metro Rail Station Signage and Incorporate Metro Underground Station Signage (Construction)		Less Than $1 Million
TBD	Add Wye Junction Fan Plant - Construction		Between $10 and $15 Million
TBD	Fully Coupled Dynamic Analysis for SEM Cavern		Less Than $1 Million
50.0	Revisions to TPIS Requirements -Construction		Less Than $1 Million
68.0	Flower Street Zanja Additional Potholing		Less Than $1 Million
78.0	ATT Ductbank Relocation @ Hewitt		Less Than $1 Million
86.0	Flower Maintenance of Traffic (MOT) West Piles		Less Than $1 Million
87.0	Support Veolia 24" Chilled Water Pipes at 2nd/Hope Station		Less Than $1 Million
99.0	Option 3 Pedestrian Bridge Revisions / Broad Coordination (Construction)		Between $1 and $5 Million
103.0	1st/Central Station HMI Units for Escalator Controllers		Less Than $1 Million
TBD	Add One Add 'l VHF Radio Operational Channel - Construction		Less Than $1 Million
106.0	Revisions to Metro Optical Network Switch		Less Than $1 Million
TBD	Revise Communication Radio System SOW (Construction)		Less Than $1 Million
TBD	Infrastructure for Insite Wireless in Tunnels		Less Than $1 Million
TBD	Add Perforated Metal Dropped Ceiling at 2nd/Hope Station Plaza - Construction		Less Than $1 Million
107.0	Delays and schedule mitigation measures, electrical and water utility relocation costs, add 'l fire life safety engineering and other design and construction changes		More than $15 Million
111.0	Spray-on Acoustical Finishes Additional Quantities		Between $1 and $5 Million
TBD	Revised Emergency Walkways at Curves (30" to 35") - Construction		Less Than $1 Million
121.0	Utility Conflicts during Decking at 4th & Flower St.		Less Than $1 Million
122.0	Asbestos Abatement on Flower St. thru May 2017		Less Than $1 Million
TBD	Insurance Claim		Less Than $1 Million
132.0	TBM Acceleration (24/7) to Flower St.		Less Than $1 Million
133.0	Deleting OCS Work at 7th Metro (CREDIT)		Less Than $1 Million
134.0	2nd/Broadway - LA Times Communication Line Realignment Due to Differing Site Conditions		Less Than $1 Million
136.0	TBM Cutterhead Repairs Due to DSC		Less Than $1 Million
137.0	Revise SOE and Train Control and Mechanical Rooms (Charles Dunn SOE DSC)		Less Than $1 Million
138.0	LADWP Switch Room Requirements for 1st and Central Station - Design Only		Less Than $1 Million
139.0	Flower Street - C0981 Power Vault MH 470 Support Frame		Less Than $1 Million
140.0	Flower St. Road Settlement Temp Repair and Monitoring		Less Than $1 Million
TBD	TBM failure - delays and repair		Between $1 and $5 Million
TBD	Add 'l Commonwealth Agreement (noise barrier)		Less Than $1 Million
142.0	Labor to Replace TBM Screws 1, 2 &3		Less Than $1 Million
143.0	Three-Shift Tunnel Boring Machine (TBM) Mining Operation		Between $1 and $5 Million
144.0	Design Mod for Acoustical Treatment in Stations		Less Than $1 Million
	TOTAL MODIFICATIONS AND CHANGE ORDERS	127	$ 217,444,038
PROFESSIONAL SERVICES CONTRACT			
Design Support Services During Construction (E0119)			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	12	$ 44,629,810
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	$ -
	TOTAL MODIFICATIONS	12	$ 44,629,810
Construction Management Support Services (MC070)			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	5	$ 35,630,672
	TOTAL PENDING MODIFICATIONS ROUGH ORDER OF MAGNITUDE COST	0	$ -
	TOTAL MODIFICATIONS	5	$ 35,630,672

Regional Connector

August 2017

Project Cost Contingency Drawdown



Westside Purple Line Extension – Section 1

August 2017

Change Activity

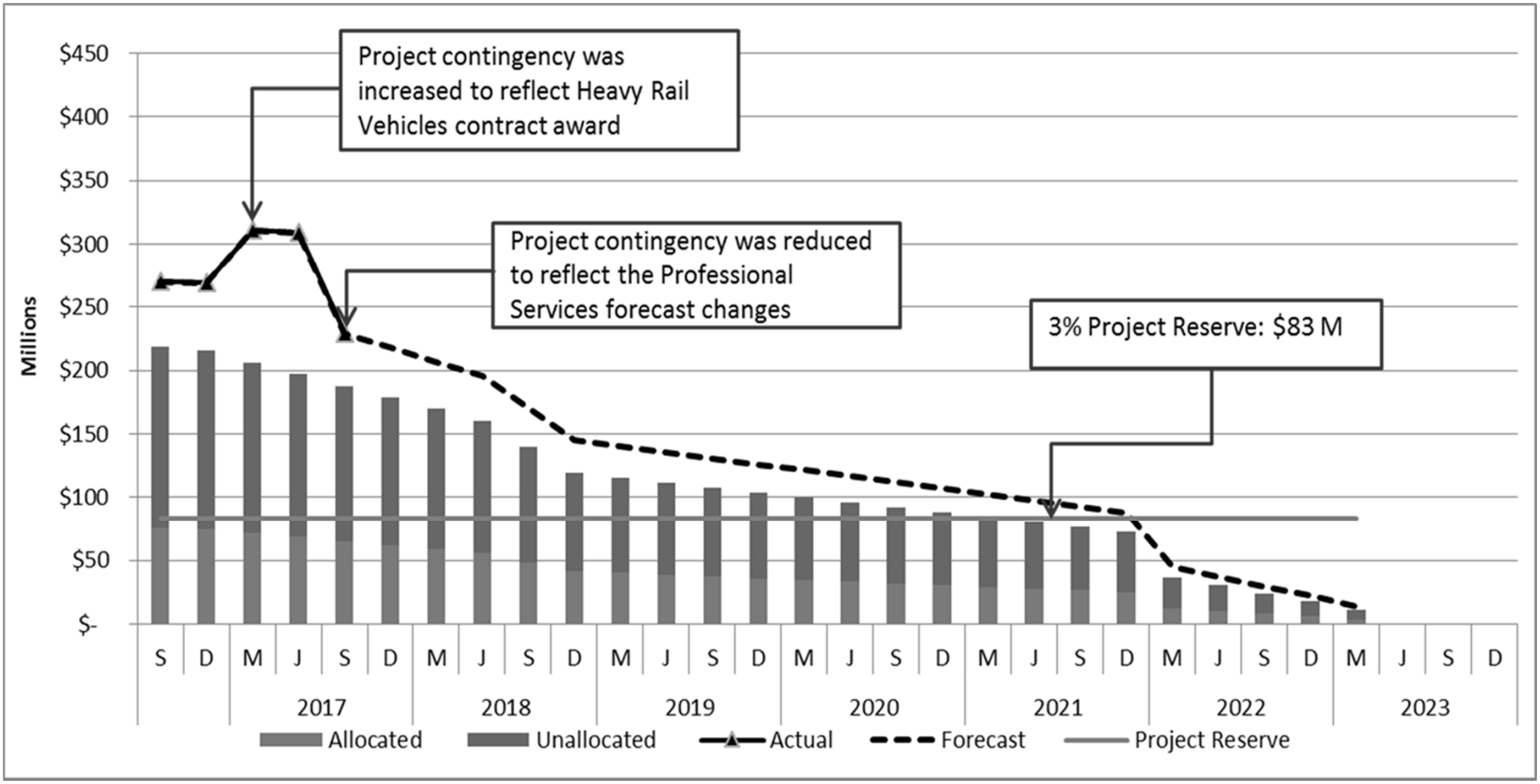
Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS AND CHANGE ORDERS:	144	$ 29,887,179
	TOTAL PENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST:	39	More than $15M
DESIGN/BUILD CONTRACT C1045		30	
CN-26	Betterment City of Beverly Hills - Median Reconstruction at San Vicente Blvd		Less Than $1 Million
CN-32	Pin Station (Identifier) Changes		Less Than $1 Million
CN-42.3	Radio Subsystem Redundancy		Less Than $1 Million
CN-43.2	Isolate Track Circuits at Wilshire/Western		Less Than $1 Million
CN-47.2	Stainless Steel Enclosure for TVM and PTEL		Less Than $1 Million
CN-56	**Implement City of Beverly Hills Memorandum of Agreement (MOA)**		**Between $10M - $15M**
CN-63	La Brea- Additional Instrumentation Requested by BOE		Less Than $1 Million
CN-64.1	Additional SOE Design Work - La Brea Station		Less Than $1 Million
CN-65.1	Additional SOE Design Work for Fairfax Station Due to Deviation Request for Building Settlement		Less Than $1 Million
CN-66	Additional Dewatering Treatment & Discharge Costs at La Brea		Less Than $1 Million
CN-67	Tactile Guidance (Construction and Plaza Material Change)		Less Than $1 Million
CN-68	Increased Ventilation of Station Ancillary Rooms		Less Than $1 Million
CN-72	Stations - Art Related Changes		Less Than $1 Million
CN-76	Additional SOE Design Work for La Cienega Station Due to Deviation Request for Building Settlement		Less Than $1 Million
CN-77	Additional Interpretation for Building Settlement		Less Than $1 Million
CN-78	Fairfax - DWP Ductbank Conflict with Deck Beams		Less Than $1 Million
CN-79	Wilshire/Western - Permit Approval and Inspection for Access Shaft		Less Than $1 Million
CN-80	Stand by Generator Enclosure Aesthetic Improvements at La Cienega		Less Than $1 Million
CN-81	Additional Instrumentation (Project Wide) as Required by LABOE and STS EOR		Less Than $1 Million
CN-82	Additional Geotechnical Instrumentation at Western		Less Than $1 Million
CN-83	Additional Dewatering Treatment & Discharge Impacts at Western		Less Than $1 Million
CN-84	Additional SOE Design Work for the Western Shaft Due to Deviation Request for Building Settlement		Less Than $1 Million
CN-85	La Brea Utility hanging Changes for Sewer and Storm Drains		Less Than $1 Million
CN-87	La Brea - Bracing Impacts Due to DWP Ductbank at La Brea Ave (ECI-004)		Less Than $1 Million
CN-88	TCE Slab Demolition and Removal at the Western Shaft		Less Than $1 Million
CN-89	La Cienega-Removal of AT&T Abandoned Cables		Less Than $1 Million
CN-91	La Brea-DWP Conflict and Impacts to Cap Beam Walers 28 & 29		Less Than $1 Million
CN-92	La Cienega - Impacts from Delayed SCE Lines/MH Abandonment		Less Than $1 Million
CN-93	La Brea - Center Access Shaft - Design and Construction Costs		Less Than $1 Million
TBD	Fairfax - Piling Obstructions, Conflicts, Delays		Less Than $1 Million
DESIGN/BUILD CONTRACT C1078		9	
CN-11	Schedule Impacts Due to Third Party		Less Than $1 Million
CN-12	Betterment - Motorized Sliding Gate for the City of LA		Less Than $1 Million
CN-13	AST Leak Detection and Remote Lubrication Fill/Extract Station		Less Than $1 Million
CN-16	Betterment: Install Street Lights, Trees and Drip Irrigation for the City of LA		Less Than $1 Million
CN-17	Support of Building Art Work		Less Than $1 Million
CN-18	On-Site LIDs		Less Than $1 Million
CN-19	Storm Drain - Differing Site Conditions		Less Than $1 Million
CN-20	Hazardous Materials - Chalmers Pan Handle		Less Than $1 Million
CN-21	Betterment: 6th Street Viaduct - Site Re-Grading, Ornamental Fenc, Etc.		Less Than $1 Million
TBD	TOTAL MODIFICATIONS AND CHANGE ORDERS	183	

Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
PROFESSIONAL SERVICES CONTRACTS			
Design Support Services During Construction - CONTRACT PS43502000			
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS:	22	$ 92,608,453
	TOTAL PENDING MODIFICATIONS	0	
	TOTAL MODIFICATIONS AND CHANGE ORDERS	22	
Construction Management Support Services - CONTRACT MC071			
	TOTAL VALUE OF ALL EXECUTED CONTRACT MODIFICATIONS:	4	$ 70,297,456
	TOTAL PENDING MODIFICATIONS	0	
	TOTAL MODIFICATIONS AND CHANGE ORDERS	4	
OTHER - THIRD PARTY AGREEMENTS			
	Annual work plan for Fiscal Year 2018 with the City of Beverly Hills, in an amount not-to-exceed		Between $10M - $15M

Westside Purple Line Extension – Section 1

August 2017

Project Cost Contingency Drawdown



Westside Purple Line Extension – Section 2

August 2017

Change Activity

Change Notice #	Description	Number of Mod/ Change Orders	Cost Value
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS AND APPROVED CHANGE ORDERS	**1**	**$ -**
	TOTAL PENDING MODIFICATIONS AND CHANGE ORDERS ROUGH ORDER OF MAGNITUDE COST:	**10**	**More than $15 Million**
DESIGN/BUILD CONTRACT C1120			
CN-1.1	Century City Constellation Station West Ancillary & OPE Reconfiguration (Design)		Less Than $1 Million
TBD	Century City Constellation Station West Ancillary & OPE Reconfiguration (Construction)		Less Than $1 Million
CN-2.1	Geotechnical and Environmental Investigation Program		Less Than $1 Million
CN-3	Century City Constellation Station: Main Entrance (Design)		Less Than $1 Million
TBD	Century City Constellation Station: Main Entrance (Construction)		More Than $15 Million
CN-4.1	Third Party Utility Final Design		Less Than $1 Million
TBD	AT&T Building Demolition		Between $1M - $5 M
CN-6	Furnish Cradles for LADWP Power Vaults		Less Than $1 Million
	Delete Four boreholes at Cross-Passages		Less Than $1 Million
	Abatement at ACE Gallery		Less Than $1 Million
	TOTAL MODIFICATIONS AND CHANGE ORDERS	**11**	**$ -**

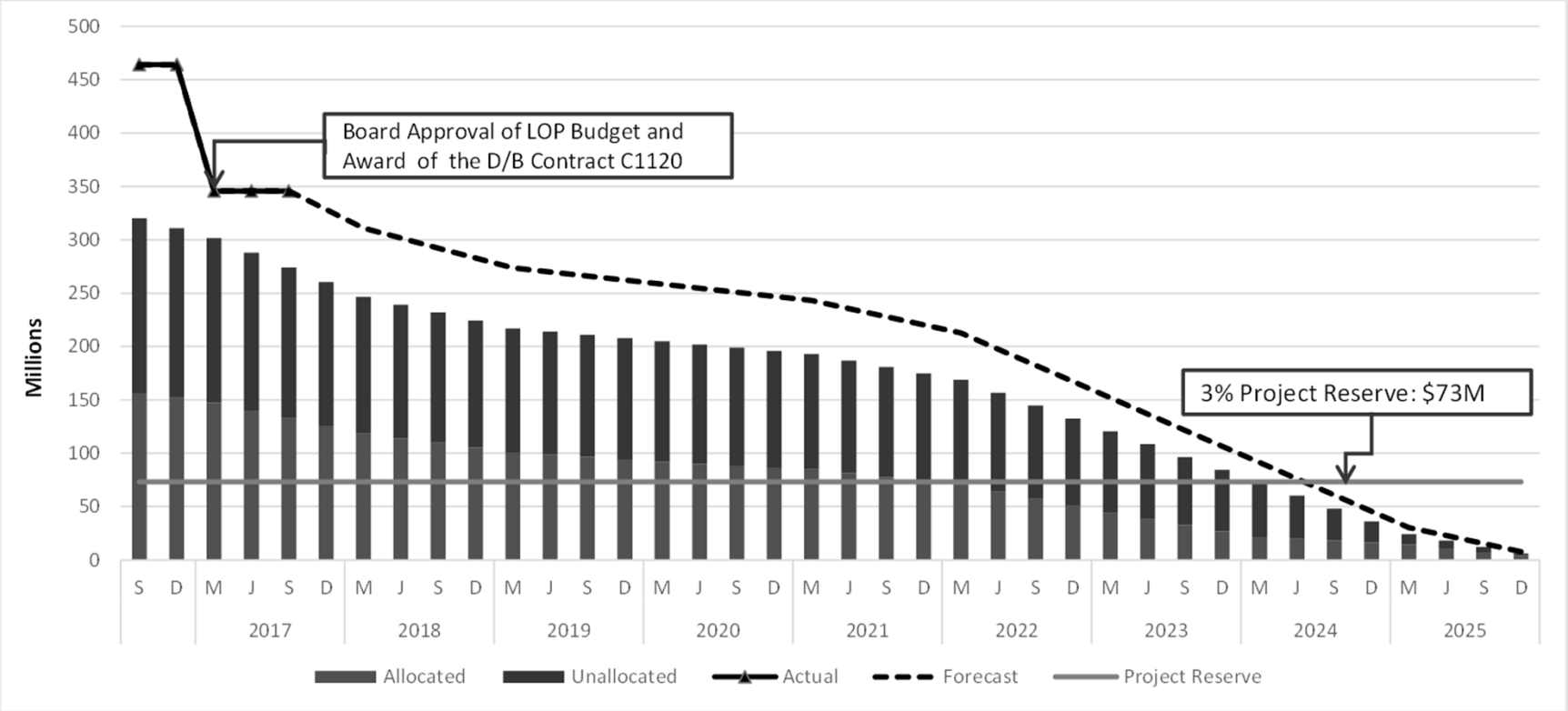
PROFESSIONAL SERVICES CONTRACT			
Design Support Services During Construction			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	**0**	**$ -**
	TOTAL PENDING MODIFICATIONS	**0**	**$ -**
	TOTAL MODIFICATIONS	**0**	**$ -**
Construction Management Support Services			
	TOTAL VALUE OF EXECUTED CONTRACT MODIFICATIONS	**0**	**$ -**
	TOTAL PENDING MODIFICATIONS	**0**	**$ -**
	TOTAL MODIFICATIONS	**0**	**$ -**

OTHER - THIRD PARTY AGREEMENTS		
Annual Work Plan for Fiscal Year 2018 with the City of Beverly Hills (not-to-exceed amount)		Between $5M - $10M
The Auto Club of Southern California (AAA) - reimbursement agreement for tenant improvements and building maintenance for construction field office		Between $1M - $5M

Westside Purple Line Extension – Section 2

August 2017

Project Cost Contingency Drawdown



Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

Metro

Board Report

File #: 2017-0617, **File Type:** Contract **Agenda Number:** 31.

CONSTRUCTION COMMITTEE
OCTOBER 19, 2017

SUBJECT: INSPECTION OF STRUCTURES CONTRACT

ACTION: AWARD PROFESSIONAL SERVICE CONTRACT

RECOMMENDATION

CONSIDER:

A. AUTHORIZING the Chief Executive Officer to execute a seven-year, firm fixed price Contract No. AE39820000, with Owen Group, Inc. for the inspection of Metro structures, including light rail, roadway, bikeway, and busway bridges, elevated stations, subway tunnels, and retaining walls, comprised of a base term of five years in the amount of $2,477,273, with two, one-year options, in the amounts of $510,100 for option year one, and $512,250 for option year two, for a combined total of $3,499,623, subject to the resolution of protest(s), if any; and

B. APPROVING Contract Modification Authority specific to Contract No. AE39820000 in the amount of $699,925 or 20% of the total contract value, to cover any unforeseen issues that may arise during the course of the Contract.

ISSUE

Metro owns and operates structures that require periodic inspection to ensure public safety, and maintain reliability of the bus and rail system. There are approximately 241 structures that require on -going professional evaluation. Currently, Metro's existing staff is fully engaged and does not have the resources or specialized technical skills to carry out these tasks.

Award of this Contract will enable Metro to supplement internal resources for the work detailed above, and to ensure that our inspection frequency meets the guidelines established by the National Bridge Inspection System, and the National Rail Transit Tunnel standards.

DISCUSSION

Metro executive management identified State of Good Repair as a priority for the agency. In order to ensure that the assets required for safe operation of the rail and bus system are kept in good repair, it is necessary to provide periodic inspections of each asset on a rolling schedule. Contract No. PS85103002 Supplemental Engineering Consultant Services Task Order 2, awarded in March of

2013, was the previous authority for the provision of this service. At the conclusion of that contract, the total asset list to be inspected was increased to accommodate structures that were previously not included or those that were brought into service after the date of award. The national standard for bridge inspection frequency recommends evaluation every three (3) years, and the federal guidelines for rail transit tunnels recommend inspection every five (5) years. This Contract is of sufficient duration to ensure that all required inspections are performed under the scope of this authority.

Findings

Professional engineering staff is required to perform structural evaluations, identify defects and provide recommendations to mitigate any flaws identified as well as provide condition assessments for Metro's Transit Asset Management Program. The firm selected demonstrated a high level of competence and experience in the technical requirements of the services described above. Owen Group, Inc. has put together a team of employees and expert subcontractors with the documented ability to provide Metro with ratings of the structures consistent with our State of Good Repair reporting guidelines.

DETERMINATION OF SAFETY IMPACT

In order to comply with Federal regulations, Metro must evaluate the condition of all structures that have a potential safety impact. The structures identified in the statement of work will all be inspected, assessed, and given a condition rating consistent with the Federal Transit Administration Transit Economic Requirements Model (TERM) rating scale. The ratings and identified defects will be utilized to determine the need for targeted repairs to ensure safety and continuing State of Good Repair.

FINANCIAL IMPACT

The funding for eight months of $334,000 for this action is included in the FY18 budget in cost center 6821, Enterprise Transit Asset Management under projects 300022 (Rail Operations - Blue Line), 300033 (Rail Operations - Green Line), 300044 (Rail Operations - Red Line), 300055 (Gold Line), 300066 (Rail Operations - Expo Line), 301012 (Metro Orange Line) and 306001 (Operations Transportation).

Since this is a multi-year contract, the Chief Risk, Safety and Asset Management Officer will be responsible for budgeting this expense in future years.

Impact to Budget

Approval of this action has no impact on the FY18 budget. The current fiscal year funding for this action will come from the Enterprise, General and Internal Service funds. No other sources of funds were considered since the structure inspections exclusively support rail and bus operations.

ALTERNATIVES CONSIDERED

Staff considered performing this work in-house; however, it was determined that Metro does not

currently have available staff with experience and expertise in the specific disciplines required to perform this work as required.

NEXT STEPS

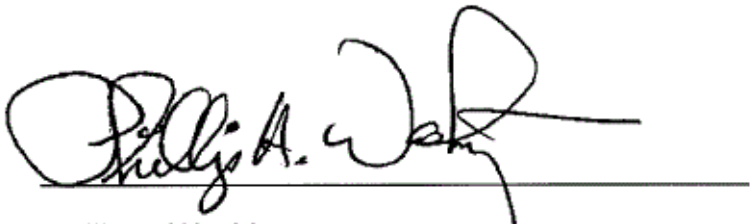
Upon Board approval, staff will execute Contract No. AE39820000 with Owen Group, Inc. to provide inspection services of Metro structures.

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - DEOD Summary

Prepared by: Stephen Toms, Project Manager, Transit Asset Management, (213) 617-6261
Denise Longley, Deputy Executive Officer, (213) 922-7294

Reviewed by:
Debra Avila, Chief Vendor/Contract Management Officer, (213) 418-3051
Greg Kildare, Chief Risk, Safety and Asset Management Officer, (213) 922-4971



Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

INSPECTION OF METRO STRUCTURES/AE39820000

1.	**Contract Number**: AE39820000	
2.	**Recommended Vendor**: Owen Group, Inc.	
3.	**Type of Procurement (check one):** ☐ **IFB** ☐ **RFP** ☒ **RFP–A&E** ☐ **Non-Competitive** ☐ **Modification** ☐ **Task Order**	
4.	**Procurement Dates**:	
	A. Issued: 3/30/2017	
	B. Advertised/Publicized: 3/30/2017	
	C. Pre-Proposal Conference: 4/10/2017	
	D. Proposals Due: 5/5/2017	
	E. Pre-Qualification Completed: 7/7/2017	
	F. Conflict of Interest Form Submitted to Ethics: 8/30/2017	
	G. Protest Period End Date: 10/23/2017	
5.	**Solicitations Picked up/Downloaded**: 73	**Proposals Received**: 5
6.	**Contract Administrator**: Ana Rodriguez	**Telephone Number**: (213) 922-1076
7.	**Project Manager**: Stephen Toms	**Telephone Number**: (213) 617-6261

A. Procurement Background

This Board Action is to approve Contract No. AE39820000 for the inspection of Metro structures, including busway bridges, subway tunnels, subway stations, aerial structures and stations within the Metro Rail line system. Board approval of contract awards are subject to resolution of any properly submitted protest.

This Architectural and Engineering (A&E) qualifications based Request for Proposals (RFP) No. AE39820 was issued under the Small Business Set-Aside program in accordance with Metro's Acquisition Policy and the contract type is a Firm Fixed Price.

One amendment was issued during the solicitation phase of this RFP:

- Amendment No. 1, issued on April 21, 2017, extended the RFP due date to May 5, 2017 and clarified accessibility for underwater tunnel segments.

A pre-proposal conference was held on April 10, 2017, and was attended by 23 participants representing 20 firms. There were ten questions submitted and responses were released prior to the proposal due date.

A total of 73 firms downloaded the RFP and were included on the plan holders list. Five proposals were received on May 5, 2017 from the following firms listed in alphabetical order:

1. Anil Verma Associates, Inc.
2. Falcon Engineering Services, Inc.
3. Innovative Inspection Solutions, JV
4. Joshi PMCM, Inc.
5. Owen Group, Inc.

B. Evaluation of Proposals

A Proposal Evaluation Team (PET) consisting of staff from Metro's Enterprise Transit Asset Management department and Major Capital Projects Engineering was convened and conducted a comprehensive technical evaluation of the proposals received.

The proposals were evaluated based on the following evaluation criteria and weights:

- Past Experience and Technical Expertise 60 percent
- Work Plan and Approach 40 percent

Several factors were considered when developing these weights, giving the greatest importance to Past Experience and Technical Expertise.

This is an A&E, qualifications based procurement; therefore, price cannot be used as an evaluation factor pursuant to state and federal law.

The PET began its independent evaluation of the proposals on May 8, 2017. All five proposals were determined to be within the competitive range.

The PET conducted interviews with the firms between May 19 and May 30, 2017. The firms had the opportunity to present their team's qualifications and their understanding of the requirements of the RFP. The firms also responded to the questions posed by the PET which required the firms to expand on, and demonstrate, their knowledge of the national bridge and tunnel rating systems, their ability to meet the required schedule for final inspection reports for each structure, their Quality Assurance and Quality Control (QA/QC) process, and their proposed innovative inspection techniques.

The final scoring, after interviews, determined Owen Group, Inc. to be the highest qualified proposer.

Qualifications Summary of Recommended Firm:

Owen Group, Inc. is a multidisciplinary design and construction services firm that provides professional engineering and construction management services to metropolitan agencies, government, and educational organizations. Owen Group's proposal delivered a detailed and thorough approach which displayed their firm's experience and demonstrated an understanding of the key engineering and inspection issues as well as an effective management plan to inspect the more than 200 structures outlined in the scope of services while managing the extremely limited track allocation during non-revenue hours.

Owen Group's team includes three subcontractors who are specialists in bridge, retaining wall, and tunnel inspections. Each of the subcontractor teams includes structural engineers, inspectors and professionals with high levels of technical understanding of structures, transportation platforms, tunnels, and bridge behavior and performance. All the firms in the team have over 20 years of experience in their respective fields.

During their interview, the Owen team was able to fully explain their knowledge of the various bridge and tunnel rating systems, their proposed approach, schedule, and use of innovative techniques. The Owen Group team responded well to the questions from the

PET especially when asked regarding the use of innovative techniques. Their response was that innovative techniques, if approved by Metro, would be used as a tool to assist and enhance the physical inspection of structures but not as the primary means of detecting structural defects. In addition, the proposed project manager is a California registered Civil Engineer with 38 years of experience and has a wide range of experience conducting inspections, program management, design and construction of bridges, and transportation projects.

The following is a summary of the PET's evaluation scores:

1	Firm	Average Score	Factor Weight	Weighted Average Score	Rank
2	**Owen Group, Inc.**				
3	Past Experience and Technical Expertise	88.00	60%	52.80	
4	Effectiveness of Management Plan	79.47	40%	31.79	
5	**Total**		**100%**	**84.59**	**1**
6	**Falcon Engineering Services, Inc.**				
7	Past Experience and Technical Expertise	86.00	60%	51.60	
8	Effectiveness of Management Plan	75.86	40%	30.34	
9	**Total**		**100%**	**81.94**	**2**
10	**Innovative Inspection Solutions, a Joint Venture**				
11	Past Experience and Technical Expertise	81.33	60%	48.80	
12	Effectiveness of Management Plan	77.79	40%	31.12	
13	**Total**		**100%**	**79.92**	**3**
14	**Joshi PMCM, Inc.**				
15	Past Experience and Technical Expertise	82.33	60%	49.40	
16	Effectiveness of Management Plan	63.63	40%	25.45	
17	**Total**		**100%**	**74.85**	**4**
18	**Anil Verma Associates, Inc.**				
19	Past Experience and Technical Expertise	68.67	60%	41.20	
20	Effectiveness of Management Plan	67.77	40%	27.11	
21	**Total**		**100%**	**68.31**	**5**

C. Cost Analysis

The recommended price has been determined to be fair and reasonable based upon Metro's Management Audit Services' audit findings, an independent cost estimate, cost analysis, technical evaluation, fact finding, clarifications and negotiations.

The negotiated amount of $3,499,623 is higher than Metro's independent cost estimate due to an underestimation of the amount of time that it would take to conduct a thorough inspection of each structure, and the costs associated with constrained availability as a result of Metro's operations.

Owen Group originally submitted a cost proposal based on performing inspections on all Metro structures on a yearly basis rather than over the course of the contract term. A cost savings of $9,233,458 was achieved through clarifications, discussions, audit findings and negotiations.

Proposer Name	Proposal Amount	Metro ICE	Negotiated Amount
Owen Group, Inc.	$12,733,081	**$2,531,775**	**$3,499,623**

D. Background on Recommended Contractor

The recommended firm, Owen Group, Inc., is located in Irvine, California, and has been in business for 36 years. Founded in 1981, Owen Group provides professional architectural, engineering, and construction services to both public and private clients. Owen Group has successfully completed similar past projects including the inspection, condition assessment, and A&E design services on the Metro Blue Line for the refurbishment of 21 stations, the County of Los Angeles Department of Public Works, Bridge Inspection and Retrofit Program, as well as the Caltrans Statewide Inspection, Condition Assessment and A&E Design Support services project for Caltrans facilities.

DEOD SUMMARY

INSPECTION OF STRUCTURES
CONTRACT NO. AE39820000

A. Small Business Participation

Effective June 2, 2014, per Metro's Board-approved policy, competitive acquisitions with three or more Small Business Enterprise (SBE) certified firms within the specified North American Industry Classification System (NAICS) as identified for the project scope shall constitute a Small Business Set-Aside procurement. Accordingly, the Contract Administrator advanced the solicitation, including posting the solicitation on Metro's website, advertising, and notifying certified small businesses as identified by NAICS code(s) that this solicitation was open to **SBE Certified Small Businesses Only**.

Owen Group, Inc., an SBE Prime, is performing 61.46% of the work with its own workforce and made a 77.34% SBE commitment. The prime listed Brieley Associates, Inc. as a non-SBE subcontractor on this project.

SMALL BUSINESS PRIME (SET-ASIDE)

	SBE Contractors	% Committed
1.	Owen Group, Inc. (Prime)	61.46%
2.	BRG Engineering (Subcontractor)	6.10%
3.	MGE Engineering (Subcontractor)	9.78%
	Total Commitment	**77.34%**

B. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will monitor contractors' compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA).

C. Living Wage Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy is not applicable to this Contract.

D. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract.

Los Angeles County
Metropolitan Transportation
Authority
One Gateway Plaza
3rd Floor Board Room
Los Angeles, CA

Metro

Board Report

File #: 2017-0610, **File Type:** Contract **Agenda Number:** 35.

CONSTRUCTION COMMITTEE
OCTOBER 19, 2017

SUBJECT: WESTSIDE PURPLE LINE EXTENSION SECTION 3 PROJECT CONSTRUCTION MANAGEMENT SUPPORT SERVICES

ACTION: AWARD PROFESSIONAL SERVICES CONTRACT

RECOMMENDATION

CONSIDER:

A. AUTHORIZING the Chief Executive Officer (CEO) to execute an eight-year and six-month cost -plus fixed fee contract plus two one-year options, Contract No. AE87192000MC073, to MPPC Partners, a Joint Venture to provide Construction Management Support Services for the Westside Purple Line Extension Section 3 Project in an amount not-to-exceed $7,009,872 for services through Fiscal Year 2019, subject to resolution of protest(s), if any; and

B. ESTABLISHING Contract Modification Authority for 15% of the not-to-exceed contract award value and authorize the CEO to execute individual Contract Modifications within the Board approved Contract Modification Authority.

ISSUE

Construction management support services are required to assist Metro Project staff in overseeing and managing the work through each phase of the Westside Purple Line Extension Section 3 Project from the start of pre-construction activities throughout construction, revenue operations and contract close-out.

The recommended Board action will provide initial funding through the end of FY19 as part of a multi-year Contract with an anticipated contract value on the order of $77 million based on the current Capital Cost Estimate. Future work will be funded on an annual work program, year-to-year basis. This approach will result in more accurate budgeting for each year, while providing better control over consultant services costs. The Contract would be awarded to the joint venture of MPPC Partners (MPPC). MPPC consists of Mott MacDonald, LLC, PGH Wong Engineering, Inc. and two DBE firms, Cornerstone Transportation Consulting, Inc. and PMCSA Group, Inc.

DISCUSSION

Westside Purple Line Extension Section 3 (WPLE 3) is a $3.5 billion project that consists of 2.59 miles of twin-bored tunnels and includes two underground stations located at Westwood/UCLA and the Westwood/VA Hospital.

The WPLE 3 Project is being constructed under three contracts. An Invitation for Bids was issued in May 2017 for Contract C1153, Advanced Utility Relocations at Westwood/UCLA, and the recommendation for contract award is scheduled for October 2017. For advanced utility work, Metro has pre-award authority that was granted by the Federal Transit Administration (FTA) as part of the Record of Decision that was received in August 2012. Request for Qualifications/Request for Proposals were issued in April 2017 for Contract C1151, Tunnels. A Letter of No Prejudice (LONP) was requested of the FTA in September 2017, and Metro anticipates the FTA to issue the LONP by December 31, 2017, which will allow Metro to award Contract C1151 by the planned date of March 2018. The third contract is C1152, Stations, Trackwork and Systems. The Request for Qualifications/Request for Proposals were issued in September 2017, prior to the execution of a Full Funding Grant Agreement (FFGA) that is expected to occur in December 2018. The FFGA will allow Metro to award Contract C1152 by the planned date of February 2019.

The Construction Management Support Services (CMSS) consultant will provide administration, inspection services and technical support during the final design, construction, pre-revenue operations and closeout phases of the Project. The primary role of the CMSS is to provide highly skilled and qualified individuals to assist Metro with the construction management of the Project by becoming part of a fully-integrated construction management team residing in the project field office, under direction of Metro Project Management. Staff augmentation by the CMSS consultant is necessary to efficiently provide resources and technical expertise that will vary throughout each phase of the WPLE 3 Project.

Expenditures from the CMSS contract will be initially limited to activities required to support Advanced Utility Relocations. Subsequent to receiving the LONP, construction management support activities will be increased to include support for Contract C1151. Support for Contract C1152 will be added after the FFGA is executed.

DETERMINATION OF SAFETY IMPACT

This Board action will not have an impact on established safety standards for Metro's construction projects. The CMSS contract will provide services that support Metro's internal safety staff on the WPLE 3 Project. The scope of services for the CMSS contract includes provisions for staff members to follow the direction of the Metro construction safety policies and procedures to ensure that safety is the highest priority during oversight of all phases of construction.

FINANCIAL IMPACT

Funding for the CMSS contract is included in the FY18 budget under Project 865523 (Westside

Purple Line Section 3 Project), Cost Center 8510 (Construction Project Management), and Account 50316 (Professional Services). Since this is a multiyear contract, the Chief Program Management Officer and the Project Manager will be accountable to budget the cost for future years, including the exercise of any options for future phases.

Impact to Budget

The sources of funds for the actions under Recommendations A and B are Measure R and Measure M funds. The approved FY18 budget is designated for the Westside Purple Line Extension Section 3 Project and does not have an impact to operations funding sources. These funds were assumed in the LRTP for the Westside Purple Line Extension Section 3 Project. This Project is not eligible for Propositions A and C funding due to the proposed tunneling element of the Project. No other funds were considered.

ALTERNATIVES CONSIDERED

The Metro Board may reject the recommended action and direct staff to perform all construction management tasks with in-house resources. This alternative is not practical or cost effective because Metro would have to hire a large workforce and attract high-paid expertise whose need vary throughout the life of the Project. The use of CMSS consultant staff provides flexibility of hiring staff with appropriate experience and background that are needed for specific activities and durations throughout the life of the Project.

NEXT STEPS

After the recommended Board actions are approved, staff will complete the process to award Contract No. AE87192000MC073.

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - DEOD Summary

Prepared by:

Michael McKenna, Executive Officer, Project Manager (213) 312-3132
Rick Wilson, Executive Officer, Program Control (213) 312-3108
Kenneth Stewart, Director, Contract Administration (213) 922-7687

Reviewed by:

Richard Clarke, Chief Program Management Officer (213) 922-7557
Debra Avila, Chief Vendor/Contract Management Officer (213) 418-3051

Phillip A. Washington
Chief Executive Officer

ATTACHMENT A

PROCUREMENT SUMMARY

WESTSIDE PURPLE LINE EXTENSION SECTION 3 PROJECT CONSTRUCTION MANAGEMENT SUPPORT SERVICES/ AE87192000MC073

1.	**Contract Number**: AE87192000MC073	
2.	**Recommended Vendor**: MPPC Partners, a Joint Venture	
3.	**Type of Procurement (check one):** ☐ **IFB** ☐ **RFP** ☒ **RFP–A&E** ☐ **Non-Competitive** ☐ **Modification** ☐ **Task Order**	
4.	**Procurement Dates**:	
	A. Issued: April 10, 2017	
	B. Advertised/Publicized: April 7, 2017	
	C. Pre-proposal/Pre-Bid Conference: April 25, 2017	
	D. Proposals/Bids Due: May 25, 2017	
	E. Pre-Qualification Completed: August 29, 2017	
	F. Conflict of Interest Form Submitted to Ethics: June 14, 2017	
	G. Protest Period End Date: Est. 10/28/2017	
5.	**Solicitations Picked up/Downloaded**: 163	**Bids/Proposals Received**: 4
6.	**Contract Administrator**: Dianne Sirisut	**Telephone Number**: 213-922-2737
7.	**Project Manager**: Michael McKenna	**Telephone Number**: 213-312-3132

A. Procurement Background

This Board Action is to approve the award of Contract No. AE87192000MC073 issued in support of Section 3 of the Westside Purple Line Extension Project. The Construction Management Support Services (CMSS) consultant is required to assist Metro Project staff in overseeing and managing the work through each phase of the Westside Purple Line Extension Section 3 Project from the start of pre-construction activities throughout construction, system testing, system activation, revenue operations and contract close-out. The primary role of the CMSS consultant is to provide highly skilled and qualified individuals to assist Metro with the construction management of the Project by becoming part of a fully-integrated construction management team residing in the project field office, under the direction of Metro Project Management. Staff augmentation by the CMSS consultant is necessary to efficiently provide resources and technical expertise that will vary throughout each phase of the Project. Board approval of the contract award is subject to resolution of all properly submitted protests.

The Request for Proposal (RFP) was issued in accordance with Metro's Acquisition Policy and Procedures and California Government Code §4525 – 4529.5 for Architects and Engineers. The contract type is a cost plus fixed fee.

Three amendments were issued during the solicitation phase of the RFP:

- Amendment No. 1, issued on May 2, 2017, clarified the Letter of Invitation Supplement, the Special Provisions, Compensation and Payment Provisions, revised the Scope of Work, DBE Instructions, Submittal Requirements, Evaluation Criteria;
- Amendment No. 2, issued on May 5, 2017, clarified the Scope of Work;
- Amendment No. 3, issued on May 17, 2017, clarified the Submittal Requirements and Proposal Letter.

A total of four proposals were received on May 25, 2017.

B. <u>Evaluation of Proposals/Bids</u>

A Proposal Evaluation Team (PET) consisting of staff members from Metro Construction Management and Metro Transportation Planning was convened and conducted a comprehensive technical evaluation of the proposals received.

The proposals were evaluated based on the following evaluation criteria and weights:

• Experience and Qualifications of the Firms on the Team	35%
• Skill and Experience of Project Personnel	30%
• Project Understanding and Approach	35%
• Incentive Evaluation Criteria for the Voluntary Payment to Subcontractors Initiative	Bonus 5%

The evaluation criteria were appropriate and consistent with criteria developed for other, similar Architect and Engineers (A&E) solicitations. Several factors were considered when developing these weights, giving the greatest importance to the Experience and Qualifications on Firms on the Team and Project Understanding and Approach.

This is an A&E, qualifications based procurement. Price cannot be used as an evaluation factor pursuant to state and federal law.

All four proposals were determined to be in the competitive range and are listed below in alphabetical order:

1. MPPC Partners, a Joint Venture (MPPC), made up of Mott MacDonald, LLC, PGH Wong Engineering, Inc., Cornerstone Transportation Consulting, Inc., and PMCS Group, Inc.
2. PL3 Partners, a Joint Venture (PL3), made up of HNTB Corporation, Jacobs Project Management Co., Jenkins/Gales & Martinez, Inc., and Safework, Inc.

3. Westside CM ConneX, a Joint Venture (WCMC), made up of Stantec Consulting Services, Inc., Arcadis U.S., Inc., Ramos Consulting Services, Inc., LKG-CMC, Inc., and Acumen Building Enterprise, Inc.
4. Westside CM Partners, a Joint Venture (WCMP), made up of Anil Verma Associates, Inc., MARRS Services, Inc., and SENER Engineering and Systems, Inc.

During the months of May and June of 2017, the PET reviewed the four technical proposals and on June 21 and 22, 2017, the evaluation committee met with all four Proposers for oral presentations. The firms' project managers and key team members had an opportunity to present each team's qualifications and respond to the Proposal Evaluation Team's questions. Sealed cost proposals were received at the time of oral presentations.

After the recommendation of the most qualified proposer was approved by the Executive Officer of Vendor/Contract Management (V/CM), the most qualified proposer's cost proposal was opened. V/CM commenced its cost analysis and engaged in negotiations with the recommended proposer.

Potential Organizational Conflict of Interest issues were addressed in a Round Table with Ethics and County Counsel for some subconsultants and resolutions were reached in accordance with Metro procedures, where all were able to participate in their respective proposals.

Qualifications Summary of Recommended Firm:

The Proposal Evaluation Team (PET) ranked the proposals and assessed strengths, weaknesses and associated risks of each of the Proposers to determine the most qualified firm. The evaluation performed by the PET determined MPPC as the most qualified firm to provide the construction management support services, as provided in the RFP. What distinguished MPPC was that they offered a team that has more extensive technical experience managing construction projects of a similar nature that strongly demonstrated the necessary experience required for all phases of this contract. MPPC showed that it is very familiar with the project context and potential issues and mitigations, which are critical to the project's success. Therefore, the PET recommended MPPC as the most qualified firm to provide construction management support services for Section 3 of the Westside Purple Line Extension Project.

1	Firm	Average Score	Factor Weight	Weighted Average Score	Rank
2	**MPPC, a Joint Venture**				
3	Experience and Qualifications of Firms on the Team	87.00	35%	30.45	

4	Skill and Experience of Project Personnel	89.33	30%	26.80	
5	Project Understanding and Approach	89.33	35%	31.27	
6	*Voluntary Payment to Subcontractors Initiative Evaluation	100.00	5%	5.00	
7	**Total**		**105.00%**	**93.52**	**1**
8	**WCMC, a Joint Venture**				
9	Experience and Qualifications of Firms on the Team	87.00	35%	30.45	
10	Skill and Experience of Project Personnel	87.33	30%	26.20	
11	Project Understanding and Approach	87.67	35%	30.68	
12	*Voluntary Payment to Subcontractors Initiative Evaluation	100.00	5%	5.00	
13	**Total**		**105.00%**	**92.33**	**2**
14	**PL3, a Joint Venture**				
15	Experience and Qualifications of Firms on the Team	86.00	35%	30.10	
16	Skill and Experience of Project Personnel	82.00	30%	24.60	
17	Project Understanding and Approach	85.00	35%	29.75	
18	*Voluntary Payment to Subcontractors Initiative Evaluation	100.00	5%	5.00	
19	**Total**		**105.00%**	**89.45**	**3**
20	**WCMP, a Joint Venture**				
21	Experience and Qualifications of Firms on the Team	79.00	35%	27.65	
22	Skill and Experience of Project Personnel	73.67	30%	22.10	
23	Project Understanding and Approach	79.00	35%	27.65	
24	*Voluntary Payment to Subcontractors Initiative Evaluation	100.00	5%	5.00	
25	**Total**		**105.00%**	**82.40**	**4**

C. Cost/Price Analysis

The recommended total estimated cost and fee has been determined to be fair and reasonable based upon a cost analysis of labor rates, indirect rates and other direct costs completed in accordance with Metro's Procurement Policies and Procedures. The analysis includes, among other things, a comparison with similar firms offering the same services; an analysis of rates and factors for labor, and other direct costs upon which the consultant will base its invoices. Metro negotiated and established provisional overhead rates plus a fixed fee based on the total estimated cost to

compensate the consultant. Audit requests have been submitted to Metro MASD for those firms without a current applicable audit of their indirect cost rates, other factors, and exclusion of unallowable costs in accordance with Federal Acquisition Regulation (FAR) Part 31.

	Proposal Amount	**Metro ICE**	**Negotiated or NTE amount**
FY '18 – FY '19	$19,885,561[1]	$10,857,298[2]	$7,009,872[3]
Total Contract	$118,232,332	$102,012,981	Est. $77,000,000[4]

(1) Proposal included a comprehensive list of services and additional value added resources beyond the initial solicitation requirements for Metro's consideration.

(2) The amount of $10,857,298 is V/CM's extraction from the Independent Cost Estimate for the first 20-months of project activity.

(3) The amount of $7,009,872 is the negotiated amount for the 20-month period of November 2017 through June 2019. Future work will be funded according to an Annual Work Program, on a year-to-year basis.

(4) The Project anticipated level of expenditure is $77 million. The total contract amount will be the aggregate value of all funding periods negotiated with the contractor through the term of the contract.

D. Background on Recommended Contractor

MPPC Partners (MPPC) is a joint venture of Mott MacDonald, LLC, PGH Wong Engineering, Inc. and two DBE firms, Cornerstone Transportation Consulting, Inc. and PMCS Group, Inc.

Mott MacDonald is a global management, engineering and development consultancy with a very strong presence in North America. It has extensive technical resources from which to draw support personnel. Mott MacDonald has provided significant support to major transportation infrastructure projects throughout the country.

PGH Wong Engineering, Inc. was established in 1985 and is a full service engineering and architecture consulting firm with a strong West Coast presence that has extensive experience in the implementation of large, complex infrastructure and transit projects.

Cornerstone Transportation Consulting, Inc. was incorporated in 1998 and provides key architectural and engineering support to major infrastructure projects with contributions in transit design and engineering, facilities planning, and operations assessment.

PMCS Group, Inc. is a local full service project and construction firm providing their services to many local municipalities and government agencies since 2005.

DEOD SUMMARY

WESTSIDE PURPLE LINE EXTENSION SECTION 3 PROJECT CONSTRUCTION MANAGEMENT SUPPORT SERVICES AE87192000MC073

A. Small Business Participation

The Diversity and Economic Opportunity Department (DEOD) established a 38% Disadvantaged Business Enterprise (DBE) goal. Mott MacDonald, LLC, PGH Wong Engineering, Inc. and DBE firms PMCS Group, Inc. and Cornerstone Transportation Consulting, Inc. formed MPPC Partners, a Joint Venture (MPPC), exceeding the goal by making a 39.43% DBE commitment.

SMALL BUSINESS GOAL	38% DBE	SMALL BUSINESS COMMITMENT	39.43% DBE

	DBE Contractors	Scope of Work	NAICS Codes	Ethnicity	% Committed
1.	PMCS Group, Inc. (JV Partner)	Project Management, Construction Administration and Document Control	541611 - Administrative Management and General Management Consulting 561110 – Office Administrative Services	Caucasian Female	6.90%
2.	Cornerstone Transportation Consulting, Inc. (JV Partner)	Construction Management Support Services	236220 – Commercial and Institutional Building Construction (Construction Management) 541611 – Administrative Management and General Management Consulting Services	African American	16.44%
3.	Inspection Services, Inc.	Quality Assurance Materials Testing	541380 - Testing Laboratories	Asian Pacific American Female	1.67%
4.	Kevin Scott Tunnel Consultants, LLC	Tunnel Safety/ Inspection	237990 – Other Heavy and Civil Engineering (Construction Management)	African American	1.53%
5.	Kroner Environmental Services, Inc.	Environmental Monitoring, Hazardous Materials Management	541620 – Environmental Consulting Services	Caucasian Female	3.01%

6.	LENAX Construction Services, Inc.	Cost/Schedule Analysis	541611– Administrative Management and General Management Consulting Services 541618 – Other Management Consulting Services 541499 – All Other Business Support Services	Caucasian Female	1.28%
7.	Morgner Construction Management	General Construction Management/ Field Instrumentation	237110 – Water and Sewer Line and Related Structures Construction (Construction Management) 237310 – Highway, Street and Bridge Construction (Construction Management) 541350 – Building Inspection Services	Hispanic American Female	1.12%
8.	Paleo Solutions, Inc.	Paleontological and Archeological Consulting Services	541620 – Environmental Consulting Services	Caucasian Female	0.79%
9.	Quality Engineering, Inc.	Quality Engineering	541618 – Other Management Consulting Services 561110 – Office Administrative Services 541350 – Building Inspection Services	African American	2.65%
10.	Wagner Engineering & Survey, Inc.	Land Surveying, Mapping, Right-of-Way Engineering	541370 Surveying and Mapping (except Geophysical) Services 541360 – Geophysical Surveying and Mapping Services 541330 – Engineering Services	Caucasian Female	4.04%
				Total Commitment	**39.43%**

B. <u>Contracting Outreach and Mentoring Plan (COMP)</u>

To be responsive, Proposers were required to submit a Contracting Outreach and Mentoring Plan (COMP) including strategies to mentor four (4) DBE firms for protégé development. MPPC selected to mentor the following DBE firms: 1) PMCS Group,

Inc., JV Partner, 2) Cornerstone Transportation Consulting, Inc., JV Partner, 3) Inspection Services, Inc., and 4) Quality Engineering, Inc.

C. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will monitor contractor's compliance with the State of California Department of Industrial Relations (DIR), California Labor Code, and, if federally funded, the U S Department of Labor (DOL) Davis Bacon and Related Acts (DBRA). Trades that may be covered include surveying, potholing, field soils and materials testing, building construction inspection, construction management and other support trades.

D. Living Wage Service Contract Worker Retention Policy Applicability

The Living Wage and Service Contract Worker Retention Policy is not applicable to this contract.

E. Project Labor Agreement/Construction Careers Policy

Project Labor Agreement/Construction Careers Policy is not applicable to this contract.