

Metro

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



Agenda - Final

Thursday, January 21, 2016

9:00 AM

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

Construction Committee

Don Knabe, Chair

Jacquelyn Dupont-Walker, Vice Chair

Mike Bonin

Diane DuBois

Ara Najarian

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.

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.

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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.

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

CALL TO ORDER**ROLL CALL****25. APPROVE Consent Calendar Items: 26 and 27**

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

CONSENT CALENDAR

- 26. RECEIVE AND FILE the quarterly report on Crenshaw/LAX safety.** [2015-1708](#)

Attachments: [Safety Report CrenshawLAX Project](#)

- 27. RECEIVE oral Program Management Executive Director's report.** [2015-1720](#)

Attachments: [Attachment A - Program Management Executive Directors Report - Jan 2016](#)

NON-CONSENT

- 28. RECEIVE report by the Caltrans District Director on Delivery of Projects on I-5.** [2016-0004](#)

- 29. AUTHORIZE Contract Modification No. 32 (a.k.a. Contract Change Order, CCO 32) by Caltrans for Segment 3 construction contract of the I-5 North Capacity Enhancements project from SR-134 to SR-118 under the Funding Agreement No. MOU.P0008355/8501 A/A6, in the amount of \$2,100,000 without an increase in the project budget or contract value.** [2015-1329](#)

- 30. AUTHORIZE the Chief Executive Officer (CEO) to execute Change Modification No. 3 to Contract No. MC071, Westside Extension Support Team (West), to continue providing Construction Management Support Services (CMSS) through Fiscal Year 2017 for the Westside Purple Line Extension Section 1 Project, in an amount not-to exceed \$23,413,832, increasing the total contract value from \$21,001,079 to \$44,414,911.** [2015-1702](#)

Attachments: [Attachment A - Procurement Summary.pdf](#)
[Attachment B - Contract Modification-Change Log.pdf](#)
[Attachment C - DEOD Summary.pdf](#)

31. AUTHORIZE the Chief Executive Officer to execute Contract Modification No. 5 to **Contract No. MC070, to Arcadis U.S., Inc., to continue providing Construction Management Support Services (CMSS) through June 30, 2017, for the Regional Connector Transit Corridor Project**, in the amount of \$18,494,981 increasing the total contract value from \$17,135,690 to \$35,630,671. [2015-1594](#)

Attachments: [Attachment A- MC070 Procurement Summary.pdf](#)
[Attachment B - MC070 DEOD Summary.pdf](#)
[Attachment C - MC070 Contract Modification Change Log.pdf](#)

32. CONSIDER: [2015-1759](#)
- A. INCREASING the Life of Project budget for Project 809081, **Red Line Segment 2 Close-out** in the amount of \$336,697, increasing the previous authorization amount of \$31,510,403 to \$31,847, 100.
 - B. AMENDING the FY 16 budget to add \$187,500 to Project 809081, Red Line Segment 2 Close-out.
 - C. INCREASING the Life of Project budget for Project 809082, Red Line Segment 3 Close-out in the amount of \$556,900, increasing the previous authorization amount of \$3,639,000 to \$4,195,900.
 - D. AMENDING the FY16 budget to add \$62,500 to Project 809082, Red Line Segment 3 Close-out.

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.



Board Report

File #: 2015-1708, **File Type:** Informational Report

Agenda Number: 26.

CONSTRUCTION COMMITTEE JANUARY 21, 2016

SUBJECT: SAFETY REPORT ON CRENSHAW/LAX PROJECT

ACTION: RECEIVE AND FILE

RECOMMENDATION

RECEIVE AND FILE the **quarterly report on Crenshaw/LAX safety.**

ISSUE

The Metro Board of Directors at its April 30, 2015 meeting directed Metro Staff to report monthly on safety-related matters on the Crenshaw/LAX project. Due to significant improvements in regards to Safety on the Crenshaw/LAX project, the board has asked that the Crenshaw/LAX safety report be given quarterly beginning in January 2016.

DISCUSSION

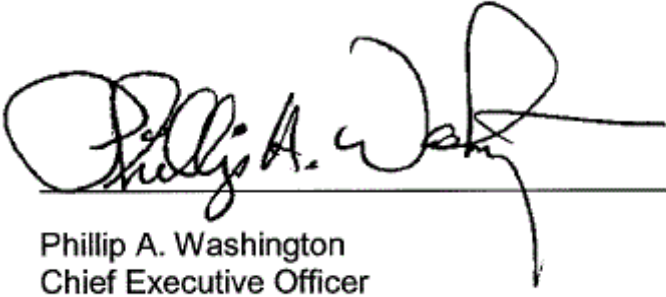
This quarterly report provides an update on safety related issues and activities on the Crenshaw/LAX project for the months of October and November 2015. The details of these issues and activities can be found in Attachment A.

ATTACHMENTS

Attachment A - Safety Report on Crenshaw/LAX Project - January 2016

Prepared by: James Brown, Director, Construction Safety, (213) 922-4223

Reviewed by: Greg Kildare, Executive Director, Risk, Safety and Asset Management, (213) 922-4971



Phillip A. Washington
Chief Executive Officer

WSCC's Safety Update on Crenshaw/LAX Project

Construction Committee Meeting
January 21, 2016

Greg Kildare, Executive Director
Risk, Safety and Asset Management



Metro

Injury Incidents – Oct/Nov 2015

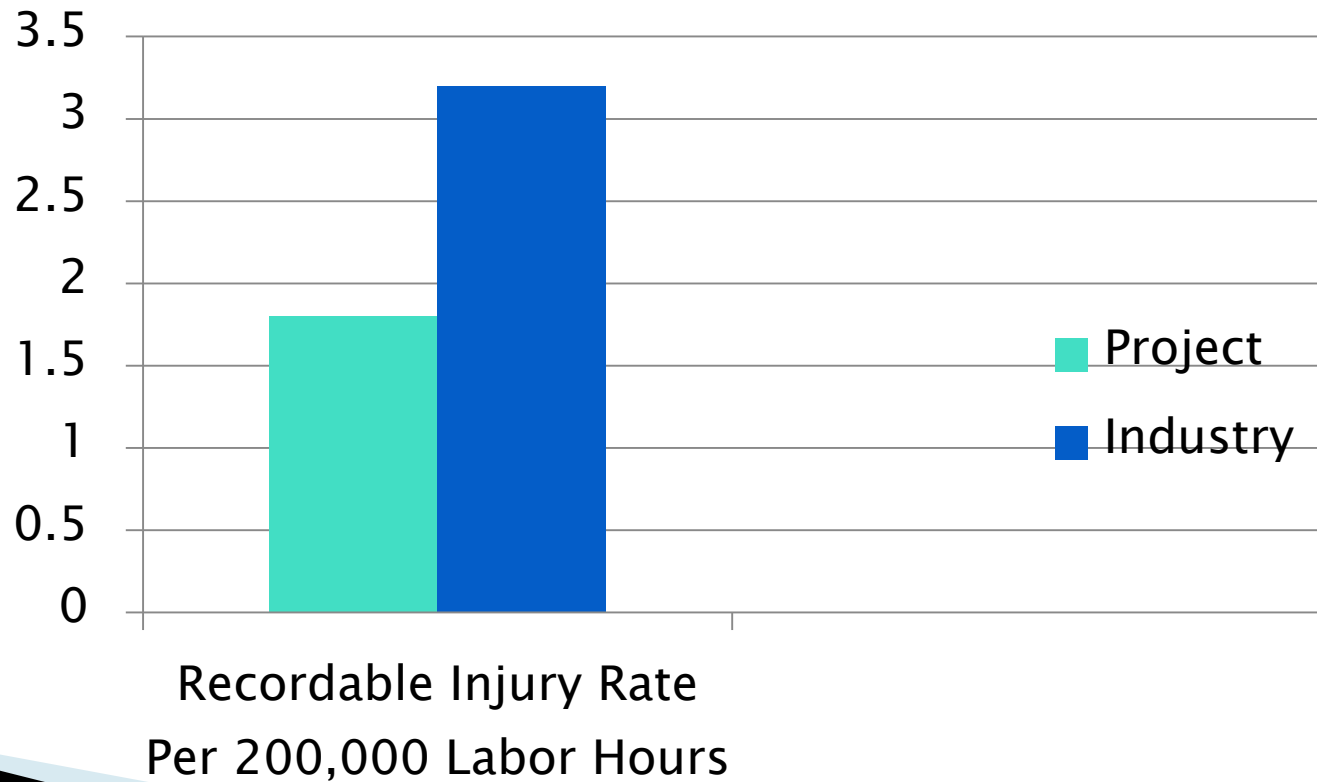
- Project-to-Date Total Recordables as of November 30th = 15
- Six (6) of the fifteen (15) recordable incidents were restricted/modified duty.
- WSCC reported four (4) first-aid injury incidents and one (1) recordable incident in October (laceration of lower lip).
- WSCC reported (0) zero injury incidents in November.

Metro/WSCC Joint Safety Activities

- WSCC's Project Manager and Metro's Executive Safety Staff conducted safety audits on October 5th and November 4th.
- Metro participated in WSCC's Tool-Box Safety meetings on October 5th, 12th, 19th, 26th and on November 2nd, 9th, 16th, 23rd and 30th.
- Metro participated in WSCC's Executive Safety meeting on October 14th and November 4th.
- Metro Safety Staff conducted a field inspection on October 16th and November 10th and 17th.
- WSCC's Executive Management participated in Metro's All Hands Safety meetings on October 29th and November 24th.

Project To Date Recordable Injury Rate Oct/Nov 2015

- ▶ Project-to-Date Work Hours as of Nov. 30th (1,888,385)
- ▶ Rate per 200,000 Labor Hours: 1.6
- ▶ National Heavy Construction Rate (2013): 3.2



Other Safety Efforts

- WSCC implemented mitigation safety measures such as an internal monitoring program (Review Employee's Actions & Performance–REAP) where supervisors plan, observe, discuss and document safe/risk work activities; disciplinary action and safety training.
- WSCC's supervisors are required to complete one REAP report on a weekly basis.
- WSCC's supervisors completed 421 REAPS in October and 340 REAPS in November.
- WSCC shared employee and subcontractor discipline data. Two (2) employees were disciplined in October and (4) employees were disciplined in November for violating safety procedures.
- WSCC safety staff now number 17, including Gas Testers and EMTs.

WALSH SHEEHA
CORRIDOR CONSTRUCTORS

R → Review
E → Employee's
A → Actions &
P → Performance

Focus on the process; we will REAP what we Sow!

OBSERVABLE ACTIONS GUIDE

Line of Fire
Struck by or against an object
Working around/through Equipment or Traffic
Pinch Points/ Caught Inbetween
Working with Electricity / Lock Out Tagout
Working with Chemicals
Safe At Risk

Eyes On Path / Slip, Trips & Falls
3 Point Contact / Ladders, Ramps, Stairs
Use of Walkways / Pathways
Maintaining Housekeeping
Safe At Risk

Overextension / Overexertions
Lifting including team lifts
Carrying Material
Reaching or Leaning to do Task
Safe At Risk

Use of Tools and Equipment
Selection of tools for task
Use of Tool/Equipment including set up
PPE selection for Tool/Equipment
Selection and Use of Rigging
Safe At Risk

Fall Exposures
Use of Harness, Lanyards / Lifelines
Proper Anchorage, selection and use
Ladder/Scarfold set up and use
Aerial Lift usage
Working near Unprotected Sides and Edges
Safe At Risk

REAP
Review Employee's Actions & Performance

1] PLAN 2] OBSERVE 3] DISCUSS 4] DOCUMENT

Safe? or At Risk? S A

Circle category noted during observation.

What actions were observed?

What was communicated?

OBSERVER'S NAME _____
OBSERVER'S SIGNATURE _____
PROJECT NAME _____ PROJECT NUMBER _____
DATE _____

REV. 913

Metro Safety Efforts

- Metro is currently working to fill additional Metro Safety Staff positions approved in the FY16 budget.
- In the interim, consultant safety staff are being used to augment contract compliance activities.
- Consultant safety staff will be released as each vacancy is filled via the on-going recruitment process.



Board Report

File #: 2015-1720, **File Type:** Oral Report / Presentation

Agenda Number: 27.

**CONSTRUCTION COMMITTEE
JANUARY 21, 2016**

RECEIVE oral **Program Management Executive Director's report.**

DISCUSSION

RECEIVE **Program Management Executive Director's report.**

ATTACHMENTS

Attachment A - Program Management Executive Director's report - January 2016

Prepared by:

- **Crenshaw/LAX** - Charles Beauvoir, Deputy Executive Officer, Project Mgmt., (213)299-3095
- **Regional Connector** - Girish Roy, Deputy Executive Officer, Project Mgmt., (213)893-7119
- **Westside Purple Line Ext 1 and 2-** Dennis Mori, EO Project Mgmt., (213)922-7238
- **I-405** - Nazem Moussa, Deputy Executive Officer, Project Mgmt. (213)922-7221
- **Division 13** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Patsaouras Plaza Busway Station** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **MRL - MOL North Hollywood Station** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Universal Pedestrian Bridge** - Timothy Lindholm, EO Project Engr., (213)922-7297
- **Metro Blue Line Station** - Samuel Mayman, EO Project Engr., (213)922-7289
- **Presentation** - Shannon Hanley, Senior Administrative Analyst, (213)922-1350

Reviewed by:

Richard Clarke, Executive Director, Program Management, (213) 922-7557

Program Management -- Transit Status Report

Significant Issues

Presented By

Richard Clarke

Executive Director,
Program Management

January 2016

Construction Committee
Los Angeles County Metropolitan Transportation Authority



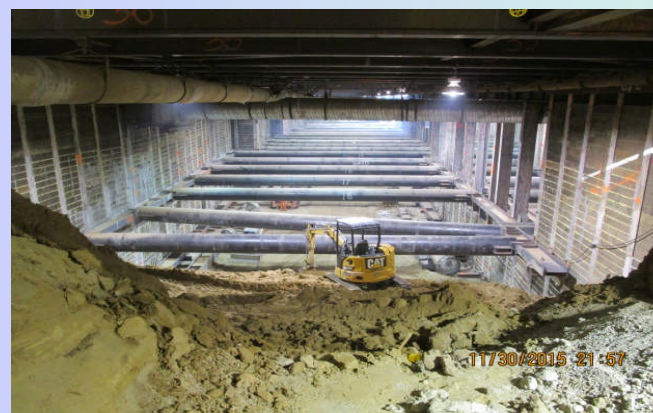
CRENSHAW/LAX TRANSIT PROJECT

SIGNIFICANT HIGHLIGHTS

- Overall construction progress is 32.3% complete (excludes contractor mobilization costs). Design-builder is behind schedule but discussion underway regarding expediting work efforts.
- Three underground stations are progressing with commencement of first placement of the floor slabs at Expo/Crenshaw in December.
- Tunnel Boring Machine to be set up at Expo/Crenshaw Station and ready to go in early spring 2016.
- Southwestern Yard Design-Builder has submitted 60% design drawings for Metro review. Construction start scheduled for April 2016.



EXPO/CRENSHAW STATION – Installation of rebar for invert slab placement.



LEIMERT PARK STATION – Looking north into station from underground structure #4.

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Los Angeles County Metropolitan Transportation Authority



REGIONAL CONNECTOR TRANSIT CORRIDOR

SIGNIFICANT HIGHLIGHTS

- As of November 2015, Overall Construction Progress is 12.9%, Design Build (DB) Construction is 5.4% complete and DB Final Design is 84.2% complete.
- Metro/RCC are developing detail plans to include remaining utility work and FFGA schedule recovery measures at all locations.



Construction Activities at 1st/Central Station yard

- Street and lane closures are being coordinated with LABOE, LADOT and CD14.
- Public comments of Supplemental Environmental Impact Statement (SEIS) have been addressed and FTA approval and amended Environmental Impact Statement (EIS) expected by December 2015.

WESTSIDE PURPLE LINE – SECTION 1

SIGNIFICANT HIGHLIGHTS

The Advanced Utility Relocations (AUR) work involving three contracts is 73% complete overall.

- The Wilshire/Fairfax Advanced Utility Relocations Contractor achieved substantial completion on October 7, 2015, ahead of schedule and within budget. Contract closeout is nearing completion.
- The Wilshire/La Cienega Advanced Utility Relocations Contractor continues with the Southern California Edison (SCE) power relocation work and the City of Beverly Hills sanitary sewer, water and storm drain relocations. This is the last AUR contract.



Installation of the first Wilshire/La Brea Station Pile

Tunnels, Stations, Trackwork and Systems Design-Build Contract is 5% complete.

- Following the Notice to Proceed in January 2015, the Design/Builder for Tunnels, Stations, Trackwork, Systems and Systems Integration Testing has submitted 60% to 100% final design submittals for the underground stations and tunnels. Pile installation has begun for the Wilshire/La Brea Station.

January 2016

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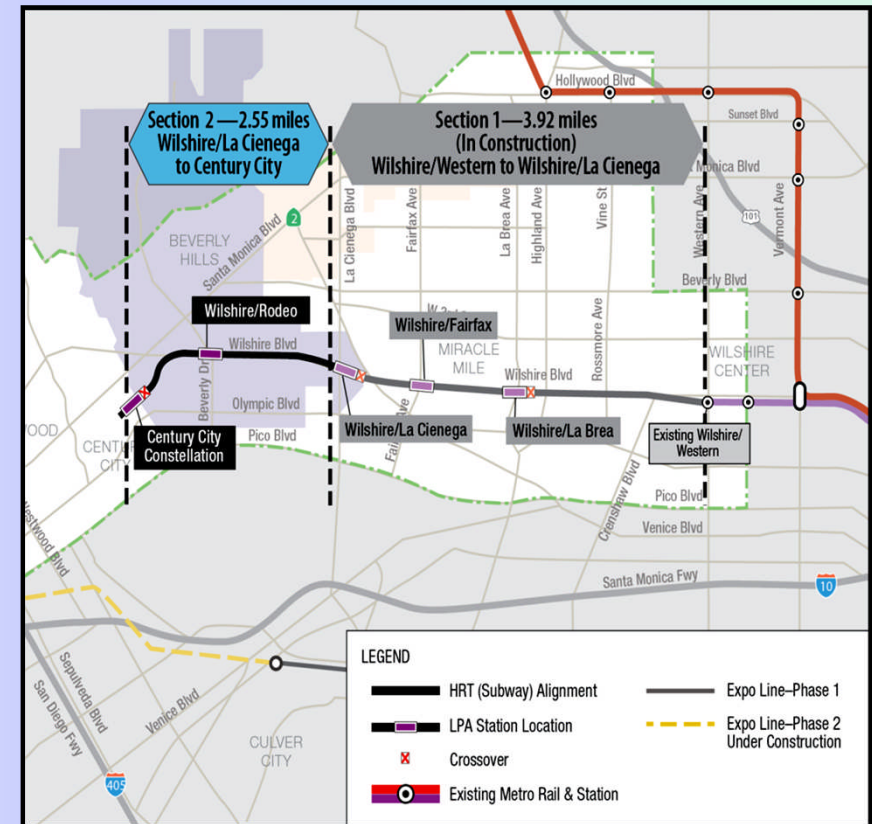
Los Angeles County Metropolitan Transportation Authority



WESTSIDE PURPLE LINE – SECTION 2

SIGNIFICANT HIGHLIGHTS

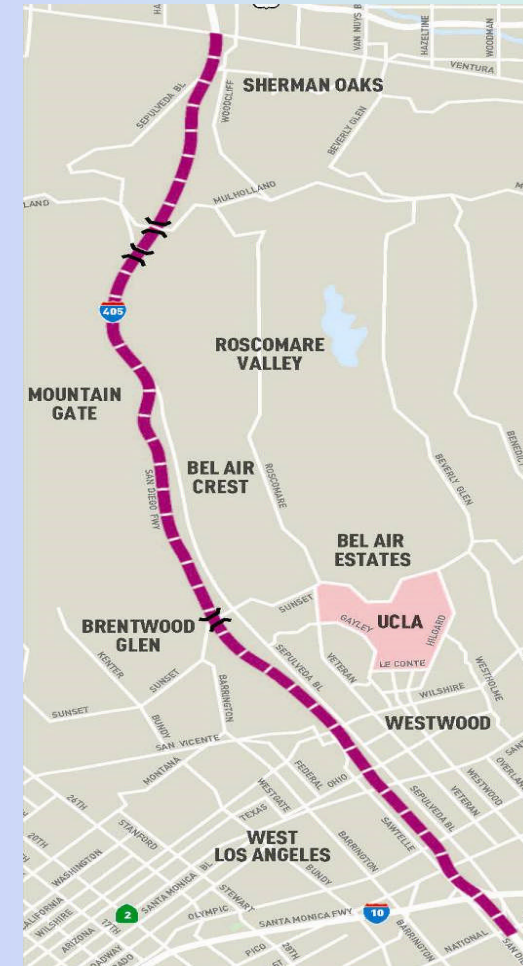
- Contract C1120 – Design/Build Request for Qualifications/Request for Proposal was released on September 14, 2015.
- The firms meeting the minimum requirements as a result of the first step were announced on December 4, 2015.
 - *Walsh-Strabag*
 - *Skanska-Obayashi*
 - *Tutor Perini/O&G*
- Price Proposals are due on May 16, 2016
- The City of Beverly Hills and BHUSD did not seek review of the Court of Appeal CEQA lawsuit decision in the California Supreme Court.



I-405 SEPULVEDA PASS IMPROVEMENTS PROJECT

SIGNIFICANT HIGHLIGHTS

- Substantial completion was granted on September 18, 2015. Partial contract closeout payment & release of retention were granted
- Punch List was completed on December 17, 2015



January 2016

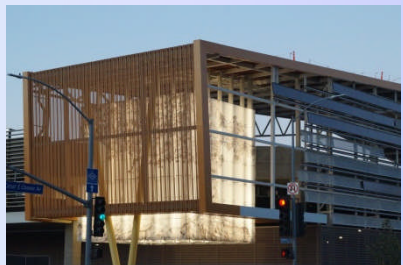
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DIVISION 13 BUS O&M FACILITY

SIGNIFICANT HIGHLIGHTS

- Project 100% complete. Substantial completion notice issued November 2, 2015. Certificate of Occupancy from LAFD issued December 3, 2015. Revenue operations opening date set for February 1, 2016.
- Primary work at present includes equipment commissioning, final ITS installations, startup activities, and punch list.



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PATSAOURAS PLAZA BUSWAY STATION

SIGNIFICANT HIGHLIGHTS

- Construction start now scheduled for March 2016
- Pending issues currently include approval of 100% design package with Caltrans, receipt of Caltrans permits, ROW certifications, utility clearances, exemptions to start construction, completion of ADL studies, and resolution of associated commercial issues.
- Project completion scheduled for Summer 2017



January 2016

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Los Angeles County Metropolitan Transportation Authority



CIP PROJECTS

MRL-MOL N. Hollywood Station West Entrance:

Progress:

- Construction is 49% complete and scheduled for completion by May 2016
- Suspended Slab work ongoing
- Escalator installation ongoing
- Embedded Conduits and Grounding ongoing
- Fire Protection Piping installation ongoing
- Walls/ Bulkheads/Water-stops in progress
- CMC Rebar installation ongoing
- Elevator delivery in December 2015



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CIP PROJECTS

Universal Pedestrian Bridge:

Progress:

- Construction 70% complete. First phase completion targeted by February 2016 to meet Universal's requirements. Second phase completion targeted by April 2016
- Structural Segment # 2 – Bridge Span across Lankershim Installed
- Structural Segment # 5 & 6 being installed across Universal Hollywood way
- First Escalator received at site, Installation in progress
- Second Escalator and Elevator deliveries next few weeks
- Cost Risk: Potential shortfall in LOP Budget, staff monitoring closely to mitigate



January 2016

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CIP PROJECTS

MBL Stations Refurbishment:

- Contract closeout with contractor on November 24, 2015

























January 2016

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Cost & Schedule Performance Summary Chart

Project	Cost Performance	Schedule Performance	Comments
Crenshaw/LAX			The design-build contractor is currently reporting that they are behind schedule. Staff is working with contractor to attempt to mitigate delay.
Westside Purple Line Extension-Section 1			
Regional Connector			LOP budget adjustment of \$131.8 million was approved by Metro Board in December. Project team is working with the DB contractor to develop a detailed recovery schedule to maintain FFGA RSD of May 29, 2021. The interface with city departments are critical to the success of the mitigation measures.
1-405 Sepulveda Pass improvements Project			Punchlist Completion was granted on 12/16/15. Per Contract, Final Acceptance is scheduled for March 16, 2016. Phase 1 claims resolved. Claim 86 arbitration pending.
Universal City Pedestrian Bridge			Construction is 70% complete and contingency is at 1.5% due to unforeseen conditions and changes. Staff is monitoring the project budget and contingency level closely.
MOL to MRL North Hollywood Connector			Construction is 49% complete. There are no significant issues on this project at this time.
Patsaouras Plaza			Change orders have been negotiated for design error/tunnel conflict Errors + Omissions process underway. Schedule delayed due to permitting, environmental, and ROW issues with Caltrans. LOP Budget increase for project will be brought forward for Board consideration in January 2016. Goal to start construction in March 2016.
Division 13			Substantial completion occurred November 2, 2015, Certificate of Occupancy issued by LAFD December 3, 2015. Opens for revenue service February 1, 2016.
P3010 Rail Car Vehicle Procurement			First vehicles acceptance and vehicle level qualification testing are taking longer than planned. Delays not evident yet and potential mitigation plans are being developed.
Gold Line Foothill Ext			Revenue operations scheduled to begin March 5, 2016
Expo Phase II			



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Board Report

File #: 2016-0004, **File Type:** Oral Report / Presentation

Agenda Number: 28.

**CONSTRUCTION COMMITTEE
JANUARY 21, 2016**

SUBJECT: Caltrans District Director on Delivery of Projects on I-5

RECEIVE report by the **Caltrans District Director on Delivery of Projects on I-5.**

Caltrans District 7 - Corridor Report for I-5 North Projects

January 2016 @ Metro Construction Committee by Carrie Bowen, District Director



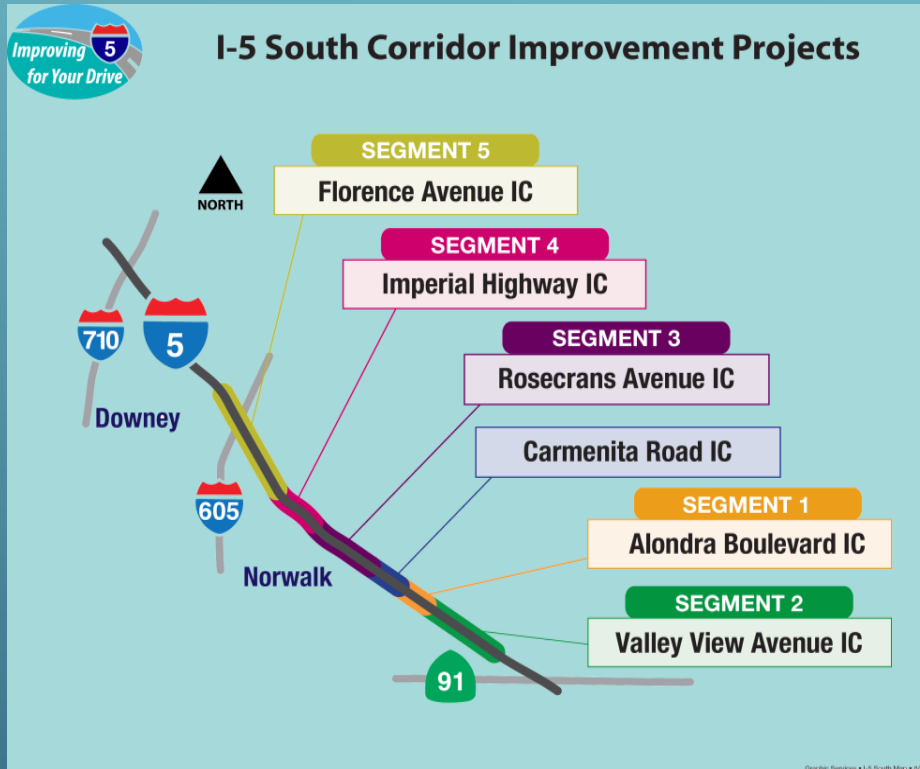
- Four projects, Segments 1-4, from SR 134 to SR 118, a total of ≈ 12 miles.
- Four lanes each direction. The freeway is being widened to add one HOV lane in each direction.
- Total I-5 North corridor budget is about \$884 million, \$434 million for Const Cap. Construction is within budget.
- All four segments are in the construction phase. **Segments 1 and 2 are substantially complete, the NB HOV lane opened March 2015 and the SB HOV lane opened May 27, 2015.**
- Empire IC Segment 3 and Southernmost Segment 4 HOV lane open-to-traffic target dates are for Winter 2018.
- Empire project has incentive provisions for the contractor to finish early.

North I-5 Corridor

Segment	EA	Phase	Phase % Complete	Description	Project Length/ Miles	Construction Award Amount	Contract Start Date	Open to Traffic
1	1219U	Const	99%	Add HOV from Route 170 to Route 118	3.4mi	\$121 M	5/06/2010A	2015
2	1218V	Const	99%	Add HOV lanes from Buena Vista Street to Route 170	4.4mi	\$59 M	10/14/2010A	2015
3	1218W	Const	35%	Empire Interchange from south of Magnolia Blvd. to just north of Buena Vista Street	2.2mi	\$196 M	12/20/2012A	Winter 2018*
4	12184	Const	66%	Add HOV lane from Route 134 to south of Magnolia Blvd.	2.7mi	\$58 M	12/6/2010A	Winter 2018 *
*These will be opened jointly								

Caltrans District 7 - Corridor Report for I-5 South Projects

January 2016 @ Metro Construction Committee by Carrie Bowen, District Director



- Six projects including Carmenita Interchange and Segments 1 through 5, from OC County line to Interstate 605 and makes a total of approximately 7 miles.
- Three lanes in each direction. The freeway is being widened to add one general purpose lane and one HOV lane in each direction.
- The total I-5 South corridor budget is about \$1.8 billion with construction capital budget at \$649 million.
- 5 of 6 projects are in the construction phase, including Carmenita Interchange and Segments 1, 3, 4 and 5.

South I-5 Corridor

Segment	EA	Phase	Phase % Complete	Description	Project Length/Miles	Construction Award Amount	Contract Start Date	Open to Traffic
1	21591	Const	99%	Add HOV and mix flow lanes, Alondra Blvd. Interchange	0.9mi	\$45 M	12/21/2011A	Winter 2019
2	21592	Design	100%	Add HOV and mix flow lanes, Valley View Ave. Interchange	1.4mi	N/A	Summer 2016	Winter 2019
3	21593	Const	67%	Widen and Realign Freeway, Rosecrans Ave. Interchange	1.3mi	89 M	9/18/2012A	Winter 2019
4	21594	Const	60%	Add HOV and mix flow lanes, Imperial Highway Interchange	1.8mi	\$142 M	9/18/2012A	Winter 2019
5	21595	Const	17%	Add HOV and mix flow lanes, Florence Ave. Interchange	1.7mi	\$96 M	5/13/2014A	Winter 2019
Carmenita	2159C	Const	78%	Carmenita Interchange	1.2mi	\$102 M	9/13/2011A	Winter 2019

**Board Report**

File #: 2015-1702, **File Type:** Contract**Agenda Number:** 30.

**CONSTRUCTION COMMITTEE
JANUARY 21, 2016****SUBJECT: WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT****ACTION: AUTHORIZE THE CHIEF EXECUTIVE OFFICER (CEO) TO EXECUTE CONTRACT MODIFICATION****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer (CEO) to execute Change Modification No. 3 to **Contract No. MC071, Westside Extension Support Team (West), to continue providing Construction Management Support Services (CMSS) through Fiscal Year 2017 for the Westside Purple Line Extension Section 1 Project**, in an amount not-to exceed \$23,413,832, increasing the total contract value from \$21,001,079 to \$44,414,911.

ISSUE

On July 25, 2013, the Board approved and awarded to WEST, the Construction Management Support Services contract for this project. Construction management support services are required to oversee and manage the construction and assist in closeout of the Westside Purple Line Extension Section 1 Project. Metro Project Management requires the continuation of construction management support services to provide the expertise to oversee the construction of the advanced utility relocations, Division 20 Maintenance-of-Way/Non-Revenue Vehicle Maintenance Building and the Design/Builder's construction operations and assist Metro with the management of the Project. On July 23, 2015, the Board authorized six-month funding for WEST to continue to provide construction management support services through December 2015, for a total contract value in an amount not-to-exceed \$6,487,628.

The recommended Board action will provide sufficient contract authorization through June 2017.

DISCUSSION

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 construction field office, under the oversight of Metro Project Management. The CMSS consultant will provide administration, maintenance, inspection services

and technical support during the construction, pre-revenue operations and closeout phases of the Project. Additional Construction activities that are ramping up in this 18-month period include: demolition, site clearing, sound-wall installation, construction staging yard establishment and utility relocations at the Wilshire/Western Retrieval Shaft, Wilshire/Fairfax Station and Wilshire/LaCienega Station. Piling, decking and excavation at the Wilshire/LaBrea Station as well as the three previously mentioned locations will also be starting during this 18-month period.

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 Westside Purple Line Extension Section 1 Project. The scope of services for the CMSS contract includes provisions for staff members to ensure that safety is the highest priority during oversight of all phases of construction.

FINANCIAL IMPACT

Funds for FY16 portion are included in the FY16 budget for this action under Project 865518- Westside Purple Line Extension Section 1 Project in Cost Center 8510 (Construction Project Management), and Account Number 50316 (Professional and Technical Services). Funding for the CMSS Contract is within the Life-of-Project Budget that was approved by the Board in July 2014. Since this is a multi-year project, the Executive Director of Program Management and the Westside Purple Line Extension Section 1 Project Manager will be responsible for budgeting in future years.

Impact to Budget

The sources of funds for the recommended action are Federal 5309 New Starts, Transportation Infrastructure Finance and Innovation Act (TIFIA) Loan proceeds and Measure R 35%. These funds are designated for Westside Purple Line Extension Section 1 Project and does not have an impact to operations. These funds were assumed in the Long Range Transportation Plan (LRTP) for the Westside Purple Line Extension Section 1 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. Under this situation, Metro would have to hire additional staff with expertise in many different fields, including construction managers, resident engineers and inspectors in the disciplines of systems, tunnels, stations, cut and cover work, trackwork, civil engineering , architecture, geology, mechanical and electrical engineering, safety, environmental, rail activation, systems integration, survey, claims analysis and litigation, among many others. The approved July 2015 Board action for CMSS conversion to Metro included three positions. Metro has converted one position from WEST to Metro and has been reflected in value of the Modification (no

costs for this position is included in the Modification). Metro is in the process of converting two additional positions from WEST to Metro and the reduction in the cost of this Modification will start to be realized as soon as the Metro staff arrive on the Project.

NEXT STEPS

After Board approval and execution of the contract modification, staff will direct the consultant to continue providing construction management support services and continue to manage its contract for the Westside Purple Line Extension Section 1 Project through FY17.

ATTACHMENTS

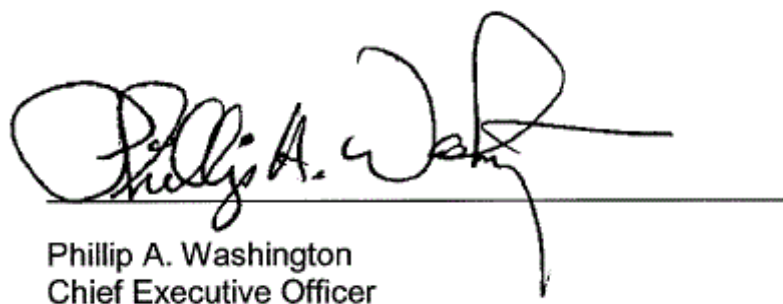
Attachment A - Procurement Summary
Attachment B - Contract Modification/Change Order Log
Attachment C - DEOD Summary

Prepared by:

Dennis Mori, Executive Officer, Project Director (213) 922-7238
James Cohen, Deputy Executive Officer, Project Management (323) 900-2114
Rick Wilson, Director Project Control, Project Management (213) 312-3108
Bryan Pennington, Deputy Executive Director, Program Management (213) 922-7449

Reviewed by:

Ivan Page, Executive Director Vendor Contract Management (Interim) (213) 922-6383
Richard Clarke, Executive Director, Program Management (213) 977-75547



Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

**WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT
CONTRACT NO. MC071 CONSTRUCTION MANAGEMENT SUPPORT SERVICES**

1.	Contract Number: MC071		
2.	Contractor: Westside Extension Support Team, J.V. (WEST)		
3.	Mod. Work Description: Continue Construction Management Support Services for eighteen months through June 2017.		
4.	Contract Work Description: Construction Management Support Services		
5.	The following data is current as of: December 7, 2015		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	7/26/13	Contract Award Amount: \$4,683,115
	Notice to Proceed (NTP):	8/09/13	Total of Modifications Approved: \$16,317,964
	Original Complete Date:	8/09/24	Pending Modifications (including this action): \$23,413,832
	Current Est. Complete Date:	8/09/24	Current Contract Value (with this action): \$44,414,911
7.	Contract Administrator: Tim Clark		Telephone Number: 213-922-7246
8.	Project Manager: Dennis Mori		Telephone Number: 213-312 3109

A. Procurement Background

This Board Action is to approve Contract Modification No. 3 to continue Construction Management Support Services for Section 1 of the Westside Purple Line Extension Project.

This Contract Modification has been processed and will be issued in accordance with Metro's Acquisition Policy. The contract type is cost-plus fixed fee.

On July 25, 2013, the Metro Board of Directors authorized the Chief Executive Officer to execute a cost-plus fixed fee type contract (Contract No. MC071) for Construction Management Support Services with West Extension Support Team (WEST), for an amount not-to-exceed \$4,683,115, for the first year of the Contract, FY14.

Attachment B shows the modifications issued to date, and this recommended modification currently pending.

B. Cost/Price Analysis

The recommended amount has been determined to be fair and reasonable based upon fact-finding, clarifications, cost analysis, technical evaluation and negotiation. This Contract Modification includes provisional indirect rates subject to adjustment when final year-end audited rates are established.

Proposal Amount	Metro ICE	Negotiated Amount
\$25,072,865	\$23,038,919	\$23,413,832

ATTACHMENT B

CONTRACT MODIFICATION/CHANGE LOG

**WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT
CONTRACT NO. MC071 CONSTRUCTION MANAGEMEN SUPPORT SERVICES**

Mod. no.	Description	Date	Amount
	Original Contract Award	7/26/13	\$4,683,115
1	Continue Construction Management Support Services through FY15	5-22-14	\$9,830,336
2	Continue Construction Management Support Services for six months of FY16	7-23-15	\$6,487,628
3	Continue Construction Management Support Services for eighteen months, through FY17.	Pending	\$23,413,832
		Total:	\$44,414,911

DEOD SUMMARY

**WESTSIDE PURPLE LINE EXTENSION SECTION 1 PROJECT
CONTRACT NO. MC071
CONSTRUCTION MANAGEMENT SUPPORT SERVICES**

A. Small Business Participation

Westside Extension Support Team made a 28.26% Disadvantaged Business Enterprise Anticipated Level of Participation (DALP) commitment. The contract is 21% complete. The current DBE participation is 31.23%. Westside Extension Support Team is exceeding its DALP commitment.

SMALL BUSINESS COMMITMENT	DBE 28.26%	SMALL BUSINESS PARTICIPATION	DBE 31.23%
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	DBE Subcontractors	Ethnicity	% Committed	Current Participation¹
1.	Anil Verma Associates, Inc.	Asian Subcontinent American	0.39%	0.00%
2.	Cabrinha Hearn & Associates	Hispanic American	10.37%	5.43%
3.	Cogstone Resource Management	Caucasian Female	2.15%	1.59%
4.	D'Leon Consulting Engineers	Hispanic American	0.00%	0.96%
5.	Diana Ho Consulting Group	Asian Pacific American	0.00%	0.04%
7.	Kal Krishnan Consulting Services, Inc.	Asian Subcontinent American	0.00%	1.44%
8.	Lenax Construction Services, Inc.	Caucasian Female	1.72%	0.90%
9.	MARRS Services, Inc.	Asian Subcontinent American	6.85%	8.81%
10	Ramos Consulting Engineers, Inc.	Hispanic American	6.78%	11.16%
11	Safework, Inc.	Caucasian Female	0.00%	0.90%
Total			28.26%	31.23%

¹Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

B. Living Wage and Service Contract Worker Retention Policy Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to 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). Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection and other support trades.

C. Living Wage Service Contract Worker Retention Policy

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

D. Project Labor Agreement/Construction Careers Policy

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

**Board Report**

File #: 2015-1594, **File Type:** Contract**Agenda Number:** 31.

**CONSTRUCTION COMMITTEE
JANUARY 21, 2016****SUBJECT: REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT****ACTION: AUTHORIZE THE CHIEF EXECUTIVE OFFICER (CEO) TO EXECUTE CONTRACT MODIFICATION****RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to execute Contract Modification No. 5 to **Contract No. MC070, to Arcadis U.S., Inc., to continue providing Construction Management Support Services (CMSS) through June 30, 2017, for the Regional Connector Transit Corridor Project**, in the amount of \$18,494,981 increasing the total contract value from \$17,135,690 to \$35,630,671.

ISSUE

On March 21, 2013, the Board approved and awarded Contract MC070 to Arcadis U.S., Inc., for Construction Management Support Services in the amount of \$3,499,990 for this project. The executed contract is an eight year (with two one-year options for contract duration extension) cost-plus fixed fee contract with provisions for Board approval of the contract value every fiscal year by Contract Modification. Construction management support services are professional services that are required to assist Metro by providing technical expertise and staff augmentation in the oversight and management of the final design and construction of the Regional Connector Transit Corridor Project.

Subject to the annual authorization requirements of the contract, the Board approved modifications in the amount of \$7,680,700 on April 24, 2014 for FY15 and \$5,955,000 on July 23, 2015 for Construction Management Support Services for 6 months through December FY16, for a total authorized contract amount of \$17,135,690. This authorization requests approval through June 30, 2017 (a total period of 18-months). The recommended Board action will provide contract funding through June 30, 2017. Future work will be funded on a year-to-year basis. This approach will result in more accurate budgeting for each year, while providing better control over consultant services costs.

DISCUSSION

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 an integrated construction

management team residing in the project field office, under the oversight of Metro Project Management. The CMSS consultant provides administration, inspection services and technical support during the final design, construction, pre-revenue operations and closeout phases of the Project. Metro Project Management requires this consultant staff with the expertise to oversee the design-builder's construction operations and assist Metro with the management of the Project. As part of this request, Metro's Project Manager identified and evaluated the annual work plan, which was negotiated with Arcadis U.S., Inc., to determine the recommended Contract Modification value.

The CMSS contact work plan for the first half of FY16 has been running at approximately 23 full-time equivalents (FTEs) per month, all of which are providing construction-related field services, technical expertise on ongoing construction work plans, and construction related office operations. In response to the significant increase in construction activity on the project within the next few months, the CMSS work plan level of effort is estimated to increase to approximately 35 FTEs by the end of FY17.

On July 16, 2015, the Board approved the conversion of eight Arcadis positions to non-contract Metro positions. To date, two senior resident engineering positions have been filled by Metro employees and other conversions are planned in upcoming months as positions become necessary to support the construction schedule. This effort has resulted in a cost reduction to the Arcadis contract of over \$426,300 date, with an additional estimated cost reduction of \$1,304,500 through FY17. Further cost reductions in the consultant contract will be realized as additional consultant positions are filled with non-contract Metro personnel.

DETERMINATION OF SAFETY IMPACT

This Board action will not have an impact on established safety standards for Metro's construction projects. The CMSS contract provides services that support Metro's internal safety staff on the Regional Connector Transit Corridor Project. The scope of services for the CMSS contract includes provisions for staff members to ensure that safety is the highest priority during oversight of all phases of construction.

FINANCIAL IMPACT

Funding for FY16 portion of the CMSS contract is included in the FY16 budget in Cost Center 8510, (Construction Project Management) under Project 860228 (Regional Connector Transit Corridor Project), Account 50316, (Professional Services). Since this is a multi-year contract, the Executive Director of Program Management and the Project Manager will be accountable to budget the cost for future years on an annual basis.

Impact to Budget

The sources of funds for this report's Recommendation are Federal 5309 New Starts, State Prop 1B PTMISEA, State Repayment of Capital Project Loans, and Measure R Transit 35%. These funds are designated for the Regional Connector Transit Corridor Project and do not have an impact to operations.. These funds were assumed in the LRTP for the Regional Connector Transit Corridor 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 could decide not to approve the recommended contract modification. This is not recommended because Metro does not have sufficient staff with expertise in the many different fields, including construction managers, resident engineers and inspectors in the disciplines of systems, tunnels, stations, sequential excavation method work, trackwork, civil, architecture, geology, mechanical, electrical, rail activation and systems integration. The recommendation by staff will provide adequate personnel with expertise through FY17 to successfully manage the project and oversee construction quality.

NEXT STEPS

After Board approval and execution of the contract modification, staff will direct the consultant to continue providing construction management support services for the Regional Connector Transit Corridor project through FY17.

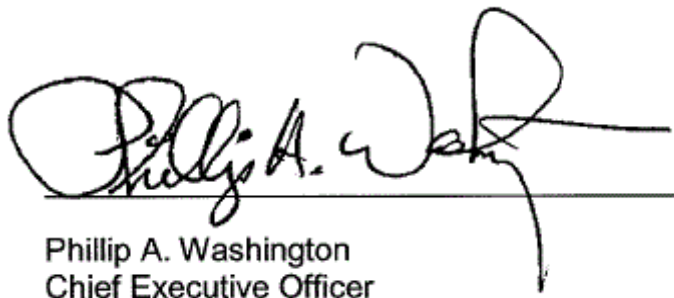
Staff will report back by June 2017 on the actual number of non-contract Metro positions hired and placed on the project and the corresponding reduction in the CMSS contract value.

ATTACHMENTS

- Attachment A - Procurement Summary
- Attachment B - DEOD Summary
- Attachment C - Contract Modification/Change Order Log

Prepared by: Girish Roy, Deputy Executive Officer, Project Director (213) 893- 7119
Gary Baker, Deputy Executive Officer (213) 893 -7191

Reviewed by: Ivan Page, Executive Director (Interim), Vendor/Contract Management (213) 922-6383
Richard Clarke, Executive Director, Program Management
(213) 922-7557



Phillip A. Washington
Chief Executive Officer

PROCUREMENT SUMMARY

**REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT
MODIFICATION FOR CONTRACT NO. MC070
CONSTRUCTION MANAGEMENT SUPPORT SERVICES**

1.	Contract Number: MC070		
2.	Contractor: ARCADIS, U.S. Inc.		
3.	Mod. Work Description: Provide construction management support services during construction of Design-Build Contract C0980 for the Regional Connector Transit Corridor Project through June 30, 2017.		
4.	Contract Work Description: Construction Management Support Services		
5.	The following data is current as of: 12/07/15		
6.	Contract Completion Status		Financial Status
	Contract Awarded:	05/13/13	Contract Award Amount: \$3,499,990
	Notice to Proceed (NTP):	05/17/13	Total of Modifications Approved: \$13,635,700
	Original Complete Date:	05/2021	Pending Modifications (including this action): \$18,494,981
	Current Est. Complete Date:	05/2021	Current Contract Value (with this action): \$35,630,671
7.	Contract Administrator: Susan Santoro		Telephone Number: 213-893-7144
8.	Project Manager: Girish Roy		Telephone Number: 213-893-7119

A. Procurement Background

This Board Action is to approve Contract Modification No. 5 to continue providing construction management support services through June 30, 2017, for the Regional Connector Transit Corridor Project.

This contract modification will be processed in accordance with Metro's Acquisition Policy and the contract type is a Cost Plus Fixed Fee type contract.

On May 13, 2013, Metro awarded Contract No. MC070, an eight year, cost plus fixed fee type contract to ARCADIS, U.S., Inc. with a not to exceed amount of \$3,499,990 for the first year FY 14 to provide construction management support services on the Regional Connector Transit Corridor Project.

Attachment C shows four modifications have been issued to date.

B. Cost/Price Analysis

The recommended price has been determined to be fair and reasonable based upon fact-finding, clarifications, cost analysis, independent cost estimate (ICE), technical evaluation, and negotiations. An audit of the consultant's and subconsultants' provisional overhead rates has been requested and is currently in progress. Any audit findings resulting in an increase or decrease to the current contract provisional overhead rates will be incorporated into the contract via a separate Contract Modification.

	Proposal Amount	Metro ICE	Negotiated Amount	Amount to Be Funded
FY 16*	\$13,869,000	\$12,055,606	\$11,910,669	\$5,955,669
FY 17	\$12,569,318	\$12,420,963	\$12,539,312	\$12,539,312
Total Amount to Be Funded				\$18,494,981

* The proposal, ICE and negotiated amounts shown above for FY16 are based on full funding for FY16. In July 2016, ~~Metro the Board elected to fund authorized~~ only the first six months of FY16 at \$5,955,000. This action includes funding of the remainder of the negotiated amount for FY16, ~~as well as the~~ and assumes full funding for all of FY17.

DEOD SUMMARY

**REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT
MODIFICATION FOR CONTRACT NO. MC070
CONSTRUCTION MANAGEMENT SUPPORT SERVICES**

A. Small Business Participation

Arcadis made a 26.79% Disadvantaged Business Enterprise Anticipated Level of Participation (DALP) commitment. The current participation is 44.56%. The contract is 54.85% complete. DBE subcontractors LKG-CMG, MBI Media, and Safework have not performed to-date. Arcadis indicated that when the DBE services are required, Metro's project team will authorize the referenced firms to be activated for the requested position needs. Arcadis is exceeding their DALP commitment.

Small Business Commitment	26.79% DALP	Small Business Participation	44.56% DALP
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	DBE Subcontractors	Ethnicity	% Committed	Current Participation¹
1.	DHS Consulting	Asian Subcontinent	8.29%	14.87%
2.	EPC Consultants	Asian Pacific	6.59%	11.69%
3.	Ghirardelli Associates	Caucasian Female	3.60%	10.43%
4.	LKG – CMG	Caucasian Female	1.59%	0.00%
5.	MBI Media	Caucasian Female	0.99%	0.00%
6.	Ramos CS	Hispanic American	2.34%	5.25%
7.	Safework	Caucasian Female	1.55%	0.00%
8.	R Industrial & Healthcare	African American	0.59%	1.02%
9.	Allied Protection Services	African American	1.25%	1.30%
Total			26.79%	44.56%

¹Current Participation = Total Actual amount Paid-to-Date to DBE firms + Total Actual Amount Paid-to-date to Prime.

B. Project Labor Agreement / Construction Careers Policy (PLA/CCP)

The Project Labor Agreement/Construction Careers Policy is not applicable to this construction management services contract.

C. Living Wage Service Contract Worker Policy

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

D. Prevailing Wage Applicability

Prevailing Wage requirements are applicable to this project. DEOD will continue to 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). Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection and other support trades.

CONTRACT MODIFICATION/CHANGE LOG

**CONTRACT NO. MC070
REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT
CONSTRUCTION MANAGEMENT SUPPORT SERVICES**

Mod. No.	Description	Date	Amount
	Original Contract	05-13-13	\$3,499,990
1	FY 2015 Incremental Funding	07-01-14	\$7,680,700
2	Add Junior Staff Engineer Position	07-21-14	\$0.00
3	FY 2016 Incremental Funding (through December 31, 2015 only)	08-04-15	\$5,955,000
4	Extension of CMSS from 01-01-16 thru 02-29-16	11-06-15	\$0.00
5	FY 2016 and FY 2017 Incremental Funding (January 1, 2016 through June 30, 2017)	Pending	\$18,494,981
Total:			\$35,630,671