



## Board Report

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**File #:** 2019-0690, **File Type:** Contract

**Agenda Number:** 15.

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**PLANNING AND PROGRAMMING COMMITTEE  
OCTOBER 16, 2019**

**SUBJECT: SR-57/SR-60 INTERCHANGE IMPROVEMENTS**

**ACTION: AUTHORIZE CONTRACT MODIFICATION**

**RECOMMENDATION**

AUTHORIZE the Chief Executive Officer to execute Contract Modification No. 1 to Contract No. AE51890001 for the State Route 57/State Route 60 Interchange Improvements (Project) with WKE, Inc. to provide professional services in the amount of \$3,384,081.72, increasing the total contract value from \$21,771,625 to \$25,155,706.72.

**ISSUE**

Three project components are being updated which will require additional scope for the Plans, Specifications & Estimates (PS&E) phase. The additional scope will provide benefits to the project including reduced right-of-way (ROW) costs, reduced schedule risk and enhanced operation and safety of the freeway. The additional scope elements include 1) geometric adjustments to the Grand Avenue connectors, 2) hydrologic analysis and consolidation of existing storm drains and 3) preparation of contract bid documents for the Diamond Bar Golf Course as required by mitigation measures under National Environmental Policy Act (NEPA) Section 4(f).

Metro staff developed a statement of services and an independent cost estimate for the additional scope work. The contract modification covers the environmental revalidation studies and PS&E work associated with the additional scope of work.

**BACKGROUND**

SR-57 and SR-60 are two vital highways that merge and share an alignment for a two-mile segment in the vicinity of the Cities of Diamond Bar and Industry. This shared alignment is the second highest truck involved accident location in Southern California and ranked as the fourth-most congested freight chokepoint in the nation by the American Transportation Institute. Improvements to the SR-57/SR-60 Interchange are needed to improve safety and operational deficiencies at the Grand Avenue Interchange, accommodate expected traffic volumes, eliminate the majority of weaving conflicts in the eastbound direction, improve overall traffic flow and alleviate the bottleneck effect in

this segment.

Environmental clearance for the Project was approved in 2013. In October 2018, Contract No. AE51890001 for PS&E services for the SR-57/SR-60 Interchange Improvement project was awarded to WKE Inc. The Project is included in the Measure M Expenditure Plan.

## **DISCUSSION**

After the contract for PS&E was awarded, the Project team identified design modifications that could reduce ROW cost, schedule risk and future construction cost by eliminating property acquisitions, permanent and temporary easements, consolidating infrastructure work and addressing environmental mitigation measures early in the project development process.

The design of the SR-60 Bypass off-ramp to Grand Avenue is being revised to provide a two-lane off-ramp connector over SR-57 in lieu of the single lane off-ramp under SR-57 originally envisioned. The revised design provides a second lane to eastbound Grand Avenue off-ramp to accommodate high truck volumes and reduce the overall ROW impacts. Within this design the need for acquisition of two parcels and a sliver from a hotel is eliminated. A retaining wall will be put in place to avoid impact to the hotel's parking lot. These design modifications have resulted in substantial reduction in cost of ROW acquisitions and the schedule of the Project.

Consolidation of two existing parallel storm drains into a larger reinforced concrete box (RCB) along the northerly edge of the Diamond Bar Golf Course is also being proposed. The new RCB will be designed in accordance with the Los Angeles County Flood Control District (LACFCD) standards and transferred to LACFCD upon completion. In accordance with the LACFCD Miscellaneous Transfer Drain (MTD) process, LACFCD has required additional hydrological analysis for the entire Diamond Bar Creek watershed tributary to the golf course. The consolidation of the two existing parallel storm drains into one RCB will reduce construction cost in the future.

The Diamond Bar Golf Course abuts the eastern side of the SR-57/SR-60 interchange and will require moderate reconfiguration to accommodate the Project. Los Angeles County Parks and Recreation (LACPR) owns the facility and was initially tasked with leading the reconfiguration of the Golf Course. However, due to LACPR's duration of procurement process for completion of design and construction of the reconfiguration, this work cannot be completed on time to keep the SR-57/SR-60 Interchange Improvement project on schedule. In order to keep the Project on schedule, additional effort is needed under the WKE Inc. contract to prepare a separate construction bid package and environmental clearance/revalidation for the Diamond Bar Golf Course reconfiguration to be completed in an early construction contract.

## **DETERMINATION OF SAFETY IMPACT**

The SR-57/SR-60 Interchange Improvement scope, schedule, and budget will have no impact to the safety of Metro's patrons, employees or the general public.

## **FINANCIAL IMPACT**

For FY20, \$23M has been budgeted in Highway Program Cost Center 4720, SR-57/SR-60

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Interchange Improvement Project 475002, Tasks 5.3.100 and 5.4.100, Professional Services Account 50316.

Since this is a multiyear project, the Project Manager, the Cost Center Manager and the Senior Executive Officer of Program Management - Highway Program will continue to be responsible for budgeting costs in future fiscal years.

### Impact to Budget

The source of funds for this project is Measure M (17%) Highway Funds and Trade Corridor Enhancement Program (TCEP) funds from SB1. These funds are not eligible for bus and rail operations or non-Highway capital project expenditures.

### IMPLEMENTATION OF STRATEGIC PLAN GOALS

The proposed Project is consistent with the following goals of the Metro Vision 2028 Strategic Plan:

Goal 1: Provide high-quality mobility options that enable people to spend less time traveling by alleviating the current operational deficiencies and improving mobility at the SR-57/SR-60 interchange.

Goal 4: Transform LA County through regional collaboration by partnering with the San Gabriel Valley Council of Governments (SGVCOG) and Caltrans to identify the needed improvements on State highways and take share responsibility of development and implementation of highway improvement projects.

### ALTERNATIVES CONSIDERED

The Board may elect not to approve the proposed Contract Modification. This option is not recommended. Completing the PS&E with identified design modifications is a necessary step in reducing risk and cost for the future construction phase of the Project. Board approval would allow the project to move forward.

### NEXT STEPS

Upon approval by the Board, staff will execute the Contract Modification with WKE, Inc.

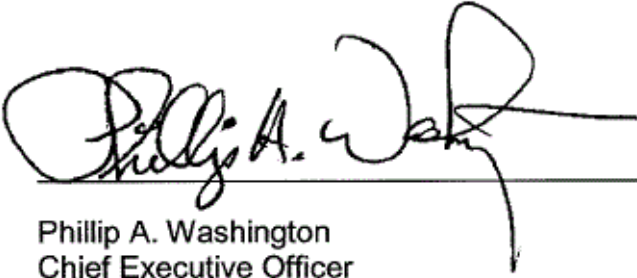
### ATTACHMENTS

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

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Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

## SR-57/SR-60 INTERCHANGE IMPROVEMENTS PS&amp;E

AE51890001

1.	<b>Contract Number:</b> AE51890001		
2.	<b>Contractor:</b> WKE, Inc.		
3.	<b>Mod. Work Description:</b> A change in the Project Geometry not included in the original contract scope of work. Add Design Services for Diamond Bar Golf Course mitigation reconstruction PS&E		
4.	<b>Contract Work Description:</b> Plans, Specifications & Estimate (PS&E) for SR -57/SR-60 Interchange Improvements.		
5.	<b>The following data is current as of:</b> September 19, 2019		
6.	<b>Contract Completion Status</b>		<b>Financial Status</b>
	<b>Contract Awarded:</b>	09/27/2018	<b>Contract Award Amount:</b> \$21,771,625.00
	<b>Notice to Proceed (NTP):</b>	10/15/2018	<b>Total of Modifications Approved:</b> \$0
	<b>Original Complete Date:</b>	09/30/2021	<b>Pending Modifications (including this action):</b> \$3,384,081.72
	<b>Current Est. Complete Date:</b>	09/30/2021	<b>Current Contract Value (with this action):</b> \$25,155,706.72
7.	<b>Contract Administrator:</b> Leisa Oden-Kurz		<b>Telephone Number:</b> 213.922.2790
8.	<b>Project Manager:</b> Roberto Machuca		<b>Telephone Number:</b> 213.418.3467

**A. Procurement Background**

This Board Action is to approve Contract Modification No. 1 issued in support of the Plans, Specification & Estimates (PS&E) for SR-57/SR-60 Interchange Improvements.

This Contract Modification will be processed in accordance with Metro's Acquisition Policy and the contract type is a firm fixed price.

On September 27, 2018, the Board awarded a 36-month firm fixed price Contract No. AE51890001 to WKE, Inc., for Plans, Specifications and Estimate (PS&E) for SR-57/SR-60 Interchange Improvements in an amount of \$21,771,625.

**B. Cost Analysis**

The recommended price has been determined to be fair and reasonable based upon a technical analysis, independent cost estimate (ICE), cost analysis, and fact finding of the work to be performed.

<b>Proposal Amount</b>	<b>Metro ICE</b>	<b>Negotiated Amount</b>
\$3,384,081.72	\$3,507,912.79	\$3,384,081.72

Refer to Attachment B – Contact Modification / Change Order Log for modifications issued to date.

CONTRACT MODIFICATION/CHANGE ORDER LOG

SR-57/SR-60 INTERCHANGE IMPROVEMENTS PS&E

AE51890001

Mod. No.	Description	Status (approved or pending)	Date	\$ Amount
1	A change in the Project Geometry and Design Services for Diamond Bar Golf Course mitigation reconstruction PS&E	Pending	Pending	\$3,384,081.72
	Modification Total:			\$3,384,081.72
	Original Contract:		9/27/18	\$21,771,625.00
	Total:			\$25,155,706.72

## DEOD SUMMARY

SR-57/SR-60 INTERCHANGE IMPROVEMENTS PS&E  
AE51890001**A. Small Business Participation**

WKE, Inc. made a 24.25% Small Business Enterprise (SBE) commitment and a 3.03% Disabled Veteran Business Enterprise (DVBE) commitment. The project is 11% complete and the current SBE participation is 18.69% and DVBE participation is 0.09%. While the project is still in the early stages, WKE has indicated that they are committed to utilizing the SBE/DBVE firms, as proposed. The low participation is solely due to the timing of the specific tasks committed to the SBE/DVBE firms but WKE expects all SBE/DVBE firms to be active on the project by November 2019. WKE estimates that 30% of the current modification is committed to SBE subcontractors.

<b>Small Business Commitment</b>	<b>24.25% SBE 3.03% DVBE</b>	<b>Small Business Participation</b>	<b>18.69% SBE 0.09% DVBE</b>
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	<b>SBE Subcontractors</b>	<b>% Committed</b>	<b>Current Participation<sup>1</sup></b>
1.	ADVANTEC Consulting Engineers, Inc.	2.17%	0.60%
2.	Arellano Associates, LLC	0.49%	0.26%
3.	D'Leon Consulting Engineers Corp.	0.23%	0.00%
4.	Earth Mechanics, Inc.	4.63%	-1.01%
5.	2R Drilling Inc.	1.31%	5.60%
6.	A Cone Zone, Inc.	0.98%	3.73%
7.	FRS Environmental, Inc.	0.06%	0.50%
8.	Galvin Preservation Associates, Inc.	1.39%	2.23%
9.	Impact Sciences, Inc.	0.18%	0.00%
10.	Geo-Advantec, Inc.	1.22%	2.02%
11.	Kroner Environmental Services, Inc.	1.78%	2.65%
12.	DC Traffic Control	0.18%	0.00%
13.	Martini Drilling Corp.	0.22%	0.00%
14.	Performance Analytical Laboratories, Inc.	0.69%	0.00%
15.	V & A Inc.	0.16%	0.00%
16.	Lin Consulting, Inc.	5.51%	0.19%
17.	Tatsumi & Partners, Inc.	1.37%	0.00%
18.	Wagner Engineering & Survey, Inc.	1.27%	1.92%
19.	Safeprobe, Inc.	0.41%	0.00%



	<b>SBE Total</b>	<b>24.25%</b>	<b>18.69%</b>
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<sup>1</sup>Current Participation = Total Actual amount Paid-to-Date to DBE firms ÷ Total Actual Amount Paid-to-date to Prime.

	<b>DVBE Subcontractors</b>	<b>% Committed</b>	<b>Current Participation<sup>1</sup></b>
1.	Brentwood Reprographics, Inc.	0.88%	0.09%
2.	MA Engineering	2.15%	0.00%
	<b>DVBE Total</b>	<b>3.03%</b>	<b>0.09%</b>

**B. Living Wage and Service Contract Worker Retention Policy Applicability**

The Living Wage and Service Contract Worker Retention Policy (LW/SCWRP) is not applicable to this modification.

**C. 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, construction management and other support trades.

**D. Project Labor Agreement/Construction Careers Policy**

Project Labor Agreement/Construction Careers Policy is not applicable to this Contract. Project Labor Agreement/Construction Careers Policy is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.



# Project Map

ATTACHMENT D

 Project

