



## Board Report

File #: 2018-0512, File Type: Contract

Agenda Number: 8.

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### AD HOC CONGESTION, HIGHWAY AND ROADS COMMITTEE NOVEMBER 14, 2018

**SUBJECT: PROJECT APPROVAL AND ENVIRONMENTAL DOCUMENT (PA&ED) AND PLANS, SPECIFICATIONS AND ESTIMATES (PS&E) FOR SR-60/7th AVENUE INTERCHANGE IMPROVEMENTS PROJECT**

**ACTION: AWARD PROFESSIONAL SERVICES CONTRACT**

#### **RECOMMENDATION**

AUTHORIZE the Chief Executive Officer (CEO) to execute a 24-month, firm fixed price Contract No. AE53204000 with ADVANTEC Consulting Engineers in the amount of \$1,999,895 for Architectural and Engineering (A&E) services for the preparation of Project Approval and Environmental Document (PA&ED) and Plans, Specifications and Estimates (PS&E) for SR-60/7th Avenue Interchange Improvements Project, subject to resolution of protest(s), if any.

#### **ISSUE**

Metro, in collaboration with Caltrans District 7, the Gateway Cities Council of Governments (GCCOG), and the San Gabriel Valley Council of Governments (SGVCOG), is advancing the development and implementation of the SR-60/7th Avenue Interchange Improvements Project (the Project) to alleviate operational deficiencies and improve mobility and safety at this location, consistent with the goals and recommendations of the SR-91/I-605/I-405 Hot Spots Program.

#### **BACKGROUND**

The SR-60 is a major east-west State highway that is used primarily for interregional travel and movement of goods. The SR-60/7th Avenue interchange experiences significant congestion and operational deficiencies that are forecast to increase and exacerbate existing traffic conditions without planned improvements.

The Project will reconfigure the SR-60/7th Avenue interchange on-and-off ramps to reduce congestion and improve freeway and local interchange operations and safety. This project has been identified as a subregional priority project by Metro, Caltrans, and the SGVCOG.

#### **DISCUSSION**

The Metro Board designated \$590 million in Measure R funds for the “Hot Spots” congestion relief

improvements along the I-605, SR-91 and I-405 Corridors in the Gateway Cities. In March 2013, Metro completed a feasibility study of the corridors to identify congestion “Hot Spots” and develop preliminary improvement concepts. The SR-60/7th Avenue interchange in Hacienda Heights in unincorporated LA County is one of the “Hot Spot” or “Early Action” Projects being pursued to improve mobility along the SR-60 Corridor.

Metro completed a Project Study Report-Project Development Support (PSR-PDS) for the I-605 and SR-60 Interchange that was approved by Caltrans in December 2015. The PSR-PDS is an initial scoping and resourcing document that identifies transportation deficiencies, major elements that should be investigated, and the resources needed to complete the environmental and preliminary engineering phase. The I-605/SR-60 PSR-PDS studied improvements to interchanges along I-605 (from Rose Hills Road to I-10) and along SR-60 (from Santa Anita Avenue to Turnbull Canyon Road), including the SR-60/7th Avenue interchange. While Metro/Caltrans are preparing a corridor-level PA&ED for the I-605 between the I-105 and the I-10, smaller scale “Early Action” projects like the SR-60/7th Avenue Interchange Improvements Project have been identified and are being advanced independently.

Caltrans is the lead agency responsible for compliance with the National Environmental Policy Act (NEPA) and the California Environmental Quality Act (CEQA). Metro will be responsible for completion of the PA&ED and PS&E for the Project. Upon completion of this phase by 2020, the Project will be ready for construction.

### **DETERMINATION OF SAFETY IMPACT**

The proposed action has no adverse impact on safety of Metro’s patrons, employees or users of these facilities.

### **FINANCIAL IMPACT**

For FY19, \$400,000 has been budgeted in Highway Program Cost Center 4730, under SR-60/7<sup>th</sup> Avenue Interchange Improvements Project No. 460349, Task No. 5.2.100 Professional Services Account No. 50316.

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

#### **Impact to Budget**

The source of funds will be Measure R Highway Capital (20%) funds. These funds are not eligible for bus and rail operations and/or capital expenditures.

### **IMPLEMENTATION OF STRATEGIC PLAN GOALS**

The proposed project is consistent with the following Metro Vision 2028 Strategic Plan Goals:

Goal 1: Provide high-quality mobility options that enable people to spend less time traveling by alleviating the current operational deficiencies and improving mobility along the mainline and the SR-60/7th Avenue interchange.

Goal 2: Transform LA County through regional collaboration by partnering with Caltrans and the SGVCOG to identify needed improvements and taking the lead in developing and implementing the Project.

### **ALTERNATIVES CONSIDERED**

The Board may elect not to award the Contract. However, this alternative is not recommended because this Project is included in the Measure R and Measure M Expenditure Plans, and reflects general consensus on the importance of the Project in improving corridor mobility and safety. Approval to proceed with contract award to complete the pre-construction phases of the project is consistent with the goals of Measure R.

### **NEXT STEPS**

Upon Board approval, staff will execute Contract No. AE53204000 and issue the Notice to Proceed to ADVANTEC Consulting Engineers.

### **ATTACHMENTS**

Attachment A - Procurement Summary

Attachment B - DEOD Summary

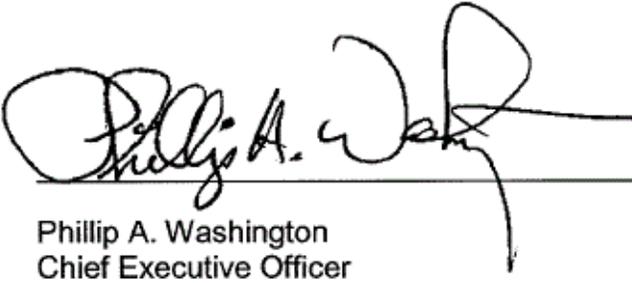
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Phillip A. Washington  
Chief Executive Officer

## PROCUREMENT SUMMARY

PA/ED AND PS&E FOR SR-60/7<sup>th</sup> AVENUE INTERCHANGE IMPROVEMENT  
PROJECT/AE53204000

1.	<b>Contract Number:</b> AE53204000	
2.	<b>Recommended Vendor:</b> Advantec Consulting Engineers, Inc.	
3.	<b>Type of Procurement (check one):</b> <input type="checkbox"/> IFB <input type="checkbox"/> RFP <input checked="" type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order	
4.	<b>Procurement Dates:</b>	
	<b>A. Issued:</b> 4/27/18	
	<b>B. Advertised/Publicized:</b> 4/27/18	
	<b>C. Pre-Proposal Conference:</b> 5/10/18	
	<b>D. Proposals Due:</b> 6/5/18	
	<b>E. Pre-Qualification Completed:</b> 8/23/2018	
	<b>F. Conflict of Interest Form Submitted to Ethics:</b> 6/6/18	
	<b>G. Protest Period End Date:</b> 10/2/18	
5.	<b>Solicitations Picked-up/ Downloaded:</b> 69	<b>Proposals Received:</b> 5
6.	<b>Contract Administrator:</b> Andrew Conriquez	<b>Telephone Number:</b> 213-922-3528
7.	<b>Project Manager:</b> Michelle Smith	<b>Telephone Number:</b> 213-922-3057

**A. Procurement Background**

This Board Action is to approve Contract No. AE53024000 issued to prepare the Project Approval and Environmental Document (PA/ED) and Plans, Specifications and Estimate (PS&E) for the construction of the SR60/7<sup>th</sup> Avenue Improvement Project. Board approval of contract award is subject to resolution of any properly submitted protest.

This Architectural and Engineering (A&E) qualifications based Request for Proposal (RFP) was issued in accordance with Metro's Acquisition Policy and the contract type is firm fixed price. The RFP was issued as part of Metro's Small Business Set-Aside Program.

A pre-proposal conference was held on May 10, 2018 and was attended by 18 people representing nine companies. There were 11 questions asked and responses were released prior to the proposal due date.

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

- Amendment No. 1, issued on May 23, 2018, clarified changes to the Scope of Services in Exhibit A.

A total of 69 firms downloaded the RFP and were included in the planholders list. A total of five proposals were received on June 5, 2018.

**B. Evaluation of Proposals**

A Proposal Evaluation Team (PET) consisting of staff from Metro Highway Programs and Caltrans District 7 was convened and conducted a comprehensive technical evaluation of the proposals received.

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

- Firm/Team Qualifications 35 percent
- Project Manager, Key Staff & Subconsultants Qualifications 35 percent
- Project Understanding and Approach 15 percent
- Work Plan 15 percent

The evaluation criteria are appropriate and consistent with criteria developed for other, similar A&E procurements. Several factors were considered when developing these weights, giving the greatest importance to the Firm/Team Qualifications and Project Manager, Key Staff & Subconsultants Qualifications.

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

On June 25, 2018, the PET completed its independent evaluation of the proposals. Of the five proposals received, two were determined to be within the competitive range and are listed below in alphabetical order:

1. Advanced Civil Technologies
2. Advantec Consulting Engineers, Inc.

During the week of July 10, 2018, the evaluation committee met and interviewed the firms. The firms' project managers and key team members had an opportunity to present each team's qualifications and respond to the evaluation committee's questions. In general, both firms elaborated on their experience, their approach to the Project, cost-effective project delivery solutions, and discussed their plan and ability to meet the project schedule.

In addition, each firms' presentation addressed the requirements of the RFP, experience with all aspects of the required tasks, and stressed each firm's commitment to the success of the project. Also highlighted were staffing plans, work plans, and perceived project issues. Each team was asked questions relative to each firm's proposed alternatives and previous experience, and ability to coordinate between different public stakeholders.

## **Qualifications Summary of Recommended Firm:**

### **Advantec Consulting Engineers, Inc.**

Advantec Consulting Engineers, Inc. is a SBE/DBE firm specializing in civil engineering, traffic engineering and transportation planning and design. They have over 20 years of experience and have worked with public agencies such as Caltrans District 7, Orange County Transportation Authority, San Bernardino County Transportation Authority and the Port of Long Beach. Advantec Consulting Engineers, Inc.'s proposal and oral presentation demonstrated expertise in a wide range of services including experience in the planning and design of interchange improvements.

The proposal and oral presentation provided a detailed management plan that included a project organization chart and quality management system. The oral presentation also elaborated upon the approach to the Project, key issues, experience with required tasks, innovative/creative plans, streamlining ideas, and alternative designs as requested in the RFP.

Advantec Consulting Engineers, Inc. demonstrated a clear understanding of the requirements. It detailed key issues such as sensitive noise receptors, environmentally sensitive areas, drainage issues, commercial business impacts, accident rates, pedestrian safety, and traffic congestion from the unsignalized intersections and key ramps from SR60.

Advantec Consulting Engineers, Inc.'s alternative approaches to the Project provided details on design enhancements by installing signals, widening the ramps, extending the sound wall, and removing the median island for dual turn lanes. The proposed enhancements will result in reduced congestion, enhance traffic operations and improve safety in the area. In addition, Advantec Consulting Engineers, Inc. proposed a subcontractor who is working on the I605/SR60 Interchange Improvement Project. The proposed subcontractor will bring knowledge about the traffic projections and environmental impacts which will shorten the PA/ED phase by six months.

Final scoring determined that Advantec Consulting Engineers, Inc. is the highest qualified firm. Below is a summary of the scores in order of rank:

	Firm	Weighted Average Score	Factor Weight	Average Score	Rank
	<b>Advantec Consulting Engineers, Inc.</b>				
1	Firm/Team Qualifications	86.77	35.00%	30.37	
2	Project Manager, Key Staff, Subconsultants Qualifications	85.05	35.00%	29.77	
3	Project Understanding & Approach	88.46	15.00%	13.27	
4	Work Plan	85.13	15.00%	12.77	
5	<b>Total</b>		<b>100.00%</b>	<b>86.18</b>	<b>1</b>
6	<b>Advanced Civil Technologies</b>				
7	Firm/Team Qualifications	81.71	35.00%	28.60	
8	Project Manager, Key Staff, Subconsultants Qualifications	81.71	35.00%	28.60	
9	Project Understanding & Approach	83.33	15.00%	12.50	
10	Work Plan	80.00	15.00%	12.00	
11	<b>Total</b>		<b>100.00%</b>	<b>81.70</b>	<b>2</b>

### C. Cost/Price Analysis

The recommended price has been determined to be fair and reasonable based upon an independent cost estimate (ICE), cost analysis, technical analysis, fact finding, and negotiations. Significant cost savings resulted primarily from reduction in project management services and environmental tasks.

Proposer Name	Proposal Amount	Metro ICE	Negotiated
Advantec Consulting Engineers, Inc.	\$3,878,616.39	<b>\$2,401,260</b>	<b>\$1,999,895</b>

### D. Background on Recommended Contractor

The recommended firm, Advantec Consulting Engineers, Inc., located in Los Angeles, California has been in business for 20 years and is an SBE specializing in civil engineering, traffic engineering, and transportation planning and design. Advantec Consulting Engineers, Inc., has worked on over 120 local municipalities, regional transportation agencies, and state agency highway projects. These projects include the I-5/Grapevine PA/ED, I-10/University Interchange Improvements,

Caltrans On-Call Traffic Engineering, I-805 North HOV/BRT Design-Build in San Diego, Regional Traffic Signal Synchronization Project in Coachella Valley, I-15/Express Lanes Design-Build in and Westside Subway at I-405/Wilshire Boulevard.

The proposed project manager possesses over 35 years of engineering, transportation and project management experience that includes delivery of the PSR and PA/ED for the I-5/Grapevine Interchange, PS&E and PA/ED for the I-5/Wheeler Ridge Road, PS&E and PA/ED for the I-10/University Interchange Improvements, PS&E for SR91 Toll Lanes, PS&E for the I-5/SR91 Interchange, PS&E for the SR91 Toll Lanes/SR55, PSR/PR for I-405/Wilshire Boulevard and PSR for the I-605-Live Oak Interchange.

## DEOD SUMMARY

PAVED AND PS&E FOR SR60/7th AVENUE INTERCHANGE IMPROVEMENT  
PROJECT/AE53204000**A. Small Business Participation**

Pursuant to 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 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**.

ADVANTEC Consulting Engineers, Inc., a SBE Prime, is performing 40.88% of the work with its own workforce and made a total SBE commitment of 55.63%. The firm also listed three SBE firms, Geo-Advantec, Inc.; Guida Surveying, Inc.; Arellano Associates; and two non-SBE firms, HDR Engineering, Inc.; and T.Y. Lin International, as subcontractors on this project.

**SMALL BUSINESS PRIME (SET-ASIDE)**

	<b>SBE Contractors</b>	<b>SBE % Committed</b>
1.	ADVANTEC Consulting Engineers, Inc. (Prime)	40.88%
2.	Geo-Advantec, Inc.	10.77%
3.	Guida Surveying, Inc.	3.69%
4.	Arellano Associates	0.29%
	<b>Total Commitment</b>	<b>55.63%</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 Contract.

**C. 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). 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 (PLA/CCP) is not applicable to this Contract. PLA/CCP is applicable only to construction contracts that have a construction contract value in excess of \$2.5 million.