Los Angeles County
Metropolitan Transportation
Authority
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Los Angeles, CA

Metro

Board Report

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AD HOC CONGESTION, HIGHWAY & ROADS COMMITTEE
JULY 19, 2017

SUBJECT: SOUTHBOUND INTERSTATE 605/BEVERLY BLVD. INTERCHANGE IMPROVEMENTS ENGINEERING SERVICES CONTRACT AWARD

ACTION: AWARD RECOMMENDATION

RECOMMENDATION

AWARD AND EXECUTE a 24-month firm fixed price Contract No. AE39064000 with Civil Works Engineers in the amount of $2,973,023.98 for Architectural and Engineering (A&E) services for the preparation of the Project Report (PR) and the Plans, Specifications and Estimates (PS&E) for Southbound (SB) Interstate 605/Beverly Blvd. Interchange Improvements, pending resolution of protest(s), if any.

ISSUE

Metro, in collaboration with Caltrans and the Gateway Cities Council of Governments (GCCOG), is leading the development of Measure R I-605 “Hot Spots” highway improvement projects. This contract award will enable Metro to complete the project report and the plans, specifications and estimates for the proposed improvements to Southbound (SB) Interstate 605 (I-605)/Beverly Blvd. Interchange Improvements in the cities of Pico Rivera and Whittier and the unincorporated Los Angeles County.

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 sub-region. In March 2013, Metro completed a feasibility study of I-605 and crossing corridors (I-405, SR-91, I-105, I-5, and SR-60) to identify congestion “Hot Spots” and develop preliminary improvement concepts. One of the identified congestion Hot Spots was the I-605/I-5 Interchange, of which this project is part. Attachment C shows the location of the Project.

Metro completed a Project Study Report/Project Development Support (PSR/PDS) for the I-605/I-5 Interchange area in July 2014. The PSR/PDS is an initial scoping and resourcing document that identifies the transportation deficiencies, major elements that should be investigated, and the resources needed to complete the preliminary engineering and environmental process. While Metro/Caltrans are preparing a corridor-level environmental document for I-605 (between I-105 and I-10), smaller scale early action projects have been identified and are being advanced independently.

The SB I-605/Beverly Blvd. Interchange early action project includes reconfiguration of part of the interchange for improved operation. Caltrans is the lead agency for NEPA/CEQA compliance and will be responsible for preparation of the environmental document and the required clearances. Upon completion of these two project phases by mid-2019, this early action project will be ready for construction.

DETERMINATION OF SAFETY IMPACT

The proposed action has no known adverse impact on the safety of Metro's patrons, employees or users of the facility. Caltrans' highway safety standards will be adhered to in the design of the proposed improvements. Any exceptions to the standards will be incorporated in accordance with Caltrans and Federal Highway Administration (FHWA) procedures.

FINANCIAL IMPACT

In April 2017, Metro Board approved up to $3,000,000 for the SB I-605/Beverly Blvd. Interchange Improvements within the Gateway Cities I-605 Hot Spots Program. Metro staff successfully negotiated a Contract amount of $2,973,023.98. For FY 18, $1,000,000 has been budgeted in Highway Program Cost Center 4720, in I-605 Corridor Hot Spots Project 460314, Task 02.03, Professional Services Account 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 operation and capital expenditures.

ALTERNATIVES CONSIDERED

The Board may elect not to award and execute the Contract. This alternative is not recommended because this Project is included in the 2009 Long Range Transportation Plan and reflects regional 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. AE39064 with Civil Works Engineers.

ATTACHMENTS

Attachment A - Procurement Summary
Attachment B - DEOD Summary
Attachment C - Location Map

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PROCUREMENT SUMMARY

SOUTHBOUND I-605/BEVERLY BLVD. INTERCHANGE IMPROVEMENTS ENGINEERING SERVICES/AE39064000

1.	**Contract Number**: AE39064000	
2.	**Recommended Vendor**: Civil Works Engineers, Inc.	
3.	**Type of Procurement (check one):** ☐ **IFB** ☐ **RFP** ☒ **RFP–A&E** ☐ **Non-Competitive** ☐ **Modification** ☐ **Task Order**	
4.	**Procurement Dates**:	
	A. Issued: February 27, 2017	
	B. Advertised/Publicized: February 23, 2017	
	C. Pre-Proposal Conference: March 14, 2017	
	D. Proposals Due: April 6, 2017	
	E. Pre-Qualification Completed: June 12, 2017	
	F. Conflict of Interest Form Submitted to Ethics: May 23, 2017	
	G. Protest Period End Date: July 24, 2017	
5.	**Solicitations Picked up/Downloaded**: 106	**Proposals Received**: 9
6.	**Contract Administrator**: Adrian Ziemer	**Telephone Number**: (213) 922-1109
7.	**Project Manager**: Lucy Olmos	**Telephone Number**: (213) 922-7099

A. Procurement Background

This Board Action is to approve Contract No. AE39064000, issued to Civil Works Engineers, Inc. (CWE), in support of the project report (PR) and plans, specifications and estimates (PS&E) for the interchange at Beverly Blvd. on the Southbound I-605 freeway. The intent of this project is to reduce congestion and improve freeway operations (both mainline and ramps), improve safety, improve local and system interchange operations by eliminating the short weaving distance between the SB I-605 ramps, and reduce conflict points between vehicles, pedestrians and bicycles. Board approval of contract awards are 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 a firm fixed price. The RFP was issued as a Small Business Enterprise (SBE) set-aside and was open to Metro SBE certified small businesses only.

Seven amendments were issued during the solicitation phase of this RFP:

- Amendment No. 1, issued on March 7, 2017, provided the location of the Appendices located on ftp://ftp.metro.net/procurement and login information.
- Amendment No. 2, issued on March 8, 2017, changed the pre-proposal conference from March 10, 2017 to March 14, 2017.
- Amendment No. 3, issued on March 10, 2017, changed the proposal due date from March 31, 2017 to April 6, 2017.

- Amendment No. 4, issued on March 17, 2017, updated SP-17 Payment of Prevailing and Living wages/Reporting, SP-05 Standard Coverage, and section 1.1 General Format.
- Amendment No. 5, issued on March 22, 2017, updated Tasks 2.21, 2.24, and 2.25 under Section II in the Statement of Work.
- Amendment No. 6, issued March 24, 2017, updated Task 2.21, 2.24, and 2.25 under Section II and added Section V: Future Bid Support as an Optional Task to the Statement of Work. It also updated Article IV Compensation and Payment, to include Retention Policy.
- Amendment No. 7, issued March 31, 2017, updated tasks 1.1, 1.2, and 1.3 under Section V, in the Statement of Work.

A total of nine proposals were received on April 6, 2017. A total of 106 firms downloaded the RFP and were included in the planholders' list.

A pre-proposal conference was held on March 14, 2017, and was attended by 34 participants representing 22 companies. There were 21 questions asked and responses were released prior to the proposal due date.

B. Evaluation of Proposals

A Proposal Evaluation Team (PET) consisting of staff from Metro Highway Program, Caltrans, and the City of Pico Rivera was convened and conducted a comprehensive technical evaluation of the proposals received.

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

• Project Manager, Key Staff, Sub-Consultants Qualifications	30 percent
• Firm/Team Qualifications	20 percent
• Work Plan	30 percent
• Project Understanding and Approach	20 percent

The evaluation criteria are appropriate and consistent with criteria developed for other similar, A&E procurements for the development of a Project Report and Plans, Specifications and Estimates. Several factors were considered when developing these weights, giving the greatest importance to the project manager, key staff, sub-consultants qualifications and work plan.

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

On April 27, 2017, the PET completed its independent evaluation of the proposals received. Of the nine proposals received, four were determined to be within the competitive range. The four firms within the competitive range are listed below in alphabetical order:

1. Advanced Civil Tech
2. Civil Works Engineers
3. NCM Engineering
4. PacRim Engineering

Five firms were determined to be outside the competitive range and were not included for further consideration.

On May 8, 2017, the PET interviewed the four firms within the competitive range. The project manager and key team members from each firm were invited to present their firm's respective qualifications and respond to the PET's questions. In general, all firms elaborated on their experience, addressed the requirements of the RFP, different project delivery solutions, and the ability to meet the 24-month schedule working with outside agencies.

In addition, the project manager and key personnel from each firm responded to the PET's inquiries regarding the firm's approach and ability to quality control, project challenges, and ability to coordinate between different public agencies and stakeholders.

Qualifications Summary of Recommended Firm:

Civil Works Engineering, Inc.

Civil Works Engineers, Inc. (CWE) is a Metro certified SBE that provides professional civil engineering consulting services that engages in a diverse array of planning, design, and project management services for public and private clients. CWE's areas of expertise and specialization in planning and design are in transportation engineering, drainage engineering, and civil site improvements.

CWE completed projects that involved planning and environmental services, preliminary and final design services, and construction management. CWE also has experience in projects involving concept reports, feasibility studies, corridor studies, and project study reports. Examples include: the SR-210 Pepper Avenue new Interchange PA/ED & PS&E, SR 60/I-605 PSR-PDS, I-710 Corridor Project PA/ED and I-710/Firestone Blvd Interchange Reconstruction PSR, PR and PS&E.

The proposal showed a strong and realistic completion schedule and demonstrated a thorough understanding of potential risks and solutions with this type of project. Additionally, the oral presentation elaborated upon CWE's stakeholder coordination strategy, which was developed to ensure productive coordination with all stakeholders (Metro, Caltrans, and City of Pico Rivera) in order to proactively resolve challenges in meeting project delivery schedule.

The oral presentation stressed the importance of identifying risks early on, meeting schedule deadlines, calling out challenges and solutions, and understanding stakeholder objectives. It was evident during the presentation they had a cohesive and synergetic team that had worked together in the past. In addition, the proposal

demonstrated CWE's local stakeholder experience, which includes Metro, Caltrans District 7, and the regional transportation agency San Bernardino County Transportation Authority, and Los Angeles county cities.

The proposal and oral presentation demonstrated that CWE's key personnel have direct experience across a breadth of disciplines, at all stages of design, and a range of project delivery methods. The project manager has 36 years of experience and the deputy PM has 38 years of experience. Other key personnel range from 20 to 45 years of experience.

Following is a summary of the PET evaluation scores:

1	Firm	Average Score	Factor Weight	Weighted Average Score	Rank
2	**Civil Works Engineers (CWE)**				
3	Project Manager, Key Staff and Sub-Consultants Qualifications	81.88	30.00%	24.56	
4	Firm/Team Qualifications	82.85	20.00%	16.57	
5	Work Plan	84.07	30.00%	25.22	
6	Project Understanding and Approach	87.50	20.00%	17.50	
7	**Total**		**100.00%**	**83.85**	**1**
8	**NCM**				
9	Project Manager, Key Staff and Sub-Consultants Qualifications	78.44	30.00%	23.53	
10	Firm/Team Qualifications	78.21	20.00%	15.64	
11	Work Plan	80.31	30.00%	24.09	
12	Project Understanding and Approach	86.00	20.00%	17.20	
13	**Total**		**100.00%**	**80.46**	**2**
14	**PacRim**				
15	Project Manager, Key Staff and Sub-Consultants Qualifications	76.88	30.00%	23.06	
16	Firm/Team Qualifications	81.96	20.00%	16.39	
17	Work Plan	76.88	30.00%	23.06	
18	Project Understanding and Approach	81.50	20.00%	16.30	
19	**Total**		**100.00%**	**78.81**	**3**
20	**Advanced Civil Tech**				
21	Project Manager, Key Staff and Sub-Consultants Qualifications	77.19	30.00%	23.16	
22	Firm/Team Qualifications	76.79	20.00%	15.36	

23	Work Plan	77.50	30.00%	23.25	
24	Project Understanding and Approach	70.00	20.00%	14.00	
25	**Total**		**100.00%**	**75.77**	**4**

C. Cost Analysis

The recommended price has been determined to be fair and reasonable based upon MASD audit findings, an independent cost estimate (ICE), cost analysis, technical analysis, fact finding, and final negotiations.

Proposer Name	Proposal Amount	Metro ICE	Negotiated amount
Civil Works Engineers	$3,411,664.00	$2,980,150.00	$2,973,023.98

D. Background on Recommended Contractor

The recommended firm, Civil Works Engineers, Inc. (CWE), located in Costa Mesa, California has been in business over 40 years and has extensive experience in design, planning, and construction of simple to unique and challenging projects. CWE has provided impressive services to a variety of clients maintaining long-term and repeat working relationships. CWE is a certified Small, Disadvantaged and Woman owned Business Enterprise (SBE/DBE/WBE) firm.

The proposed team is composed of six sub-contractors. These include HNTB, Cambridge Systematics, Leighton Consulting, Guida Surveying, Tatsumi & Partners, and The Robert Group. The PM's expertise includes PA/ED, PS&E, construction phase administration and engineering support for lane additions, reconfiguration of freeway interchanges and intersection improvements at ramps and highway, and has successfully managed and delivered several interchange improvements. Some of those projects include, I-605 Valley Blvd Interchange, I-710 Firestone Interchange and I-710 /I-5 Northeast Quadrant Two connectors.

Key personnel average over 30 years of diverse highway and transportation project experience. Project experience includes: I-405 Sepulveda Pass Widening design-Build, I-605/I-5/SR-60 Interchange Improvement Project PA/ED, I-605 Westbound SR-91 Interchange Project PA/ED, and SR-118/First and Erringer Streets.

CWE possesses a significant amount of local stakeholder experience, demonstrating working closely with Metro, Caltrans, and local cities. With their extensive experience and knowledge, CWE possesses the ability to complete and deliver on schedule the requirements of the Statement of Work.

DEOD SUMMARY

SOUTHBOUND INTERSTATE 605/BEVERLY BLVD. INTERCHANGE IMPROVEMENT ENGINEERING SERVICES/AE39064000

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**.

Civil Works Engineers (CWE), an SBE Prime, is performing 50.92% of the work with its own workforce, and made a total SBE commitment of 57.77%. CWE listed four SBE subcontractors, and two major firms that are non-SBE contractors, on this project.

SMALL BUSINESS PRIME (SET-ASIDE)

	SBE Contractor	% Committed
	Civil Works Engineers (Prime)	50.92%
	The Robert Group	1.05%
	Guida Surveying	2.59%
	Tatsumi and Partners	2.96%
	2R Drilling	0.25%
	Total Commitment	**57.77%**

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).Trades that may be covered include: surveying, potholing, field, soils and materials testing, building construction inspection, construction management and other support trades.

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.

ATTACHMENT C - LOCATION MAP

09 - I-605 SB AT BEVERLY