

PROCUREMENT SUMMARY

HIGHWAY PROGRAM PROJECT DELIVERY SUPPORT SERVICES FOR
LOS ANGELES COUNTY/AE30673000, AE30673001 & AE30673002

1.	Contract Numbers: AE30673000, AE30673001 and AE30673002	
2.	Recommended Vendors: AECOM Technical Services, Inc., CH2M HILL, Inc., and Parsons Transportation Group, Inc.	
3.	Type of Procurement (check one): <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.	Procurement Dates:	
	A. Issued: August 24, 2016	
	B. Advertised/Publicized: August 24, 2016	
	C. Pre-Proposal Conference: September 7, 2016	
	D. Proposals Due: October 3, 2016	
	E. Pre-Qualification Completed: March 17, 2017	
	F. Conflict of Interest Form Submitted to Ethics: March 15, 2017	
	G. Protest Period End Date: April 21, 2017	
5.	Solicitations Picked up/Downloaded: 168	Proposals Received: 9
6.	Contract Administrator: David Chia	Telephone Number: (213) 922-1064
7.	Project Manager: Benkin Jong	Telephone Number: (213) 922-3053

A. Procurement Background

This Board Action is to approve Contract Nos. AE30673000, AE30673001 and AE30673002, which are respectively issued to AECOM Technical Services, Inc., CH2M Hill, Inc. and Parsons Transportation Group, Inc. (referred to individually as "Contractor" and collectively as "Contractors"), in support of on-call project delivery support services for highway capital projects throughout Los Angeles County. 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) to award three contracts was issued in accordance with Metro's Acquisition Policy. The RFP was issued with an SBE/DVBE goal of 30% (SBE 27% and DVBE 3%).

Work for each Contract will be authorized through the issuance of separate FFP task orders. Each future task order will contain a specific statement of work for a scope of services.

Task orders will be issued to the contractors on a rotating basis. If one contractor is unable to perform the work under a task order, the task order will be issued to the next contractor.

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

- Amendment No. 1, issued on September 9, 2016, updated the Statement of Work to include safety provisions, clarified cost proposal instructions, and extended the proposal due date to October 3, 2016.

A pre-proposal conference was held on September 7, 2016, and was attended by 92 participants representing 62 companies. There were 40 questions asked and responses were released prior to the proposal due date.

A total of 168 firms downloaded the RFP and were included in the planholders' list. A total of 9 proposals were received on October 3, 2016.

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:

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|--|------------|
| • Experience and Capabilities of Contractor's Team | 30 percent |
| • Management Plan and Controls | 26 percent |
| • Degree of Skills and Experience of Team Members | 40 percent |
| • SBE/DVBE Contacting Outreach and Mentor Protégé Approach | 4 percent |

The evaluation criteria are appropriate and consistent with criteria developed for other, similar A&E on-call project delivery support services procurements. Several factors were considered when developing these weights, giving the greatest importance to the degree of skills and experience of team members and experience and capabilities of the contractors' teams.

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

During October 6, 2016 through December 7, 2016, the PET completed its independent evaluation of the proposals. The PET determined that one firm was outside the competitive range and was not included for further consideration. The firm's management plan did not satisfactorily identify personnel, key roles, or positions and also did not demonstrate how work would be distributed/assigned. In addition, the firm did not demonstrate direct experience with emerging technologies or grant writing assistance.

The eight firms within the competitive range are listed below in alphabetical order:

1. AECOM Technical Services, Inc. (AECOM)
2. CH2M Hill, Inc. (CH2M)
3. HDR Engineering, Inc. (HDR)
4. Jacobs Engineering Group, Inc. (Jacobs)
5. Kimley-Horn and Associates, Inc. (Kimley-Horn)
6. Parsons Transportation Group, Inc. (Parsons)
7. TranSystems Corporation (TranSystems)
8. T.Y. Lin International (TY Lin)

On November 17, 2016, the PET interviewed the eight 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 with innovative and cost-effective project delivery solutions and discussed their staffing levels and long term staff commitments.

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 reducing tort liability, negotiating between design preferences and design standards, reconciling between contract requirements and project requirements, managing differing stakeholder interests, and resolving disputes that may arise among public agencies and stakeholders.

Qualifications Summary of Recommended Firms

AECOM

AECOM is a multinational design and engineering firm that provides design, consulting, construction, and management services. AECOM's proposal and oral presentation demonstrated expertise in a wide range of services, expertise in emerging technologies and grant writing, effective project management, quality control and risk management plans, and a skilled team of project personnel.

The proposal and oral presentation demonstrated experience in all phases of planning and design services across a wide range of disciplines. AECOM identified projects that involved planning and environmental services, preliminary and final design services, and services during construction. AECOM also identified projects involving concept reports, feasibility studies, corridor studies, project study reports, technical studies, tunneling, project approval/environmental document services, public outreach, bridge and wall structures services, traffic handling services, utilities and electrical services, landscaping services, and geotechnical services. Examples include: the I-710 South Corridor Environmental Impact Report/Environment Impact Statement (EIR/EIS), SR-47 Heim Bridge Plans, Specification & Estimate (PS&E), and I-405/Avalon Interchange Project Approval/Environment Document (PA/ED) and PS&E.

The proposal and oral presentation demonstrated substantial experience in emerging technologies, citing the design of Hyperloop test tracks for Space X and the development of the e-Highway demonstration project for the SR-47. In addition, the proposal demonstrated AECOM's experience with alternative project delivery, including the I-210 Iconic Freeway Structure, SR-91 Expansion, and the I-15/I-215 Devore Interchange.

The proposal and oral presentation provided a detailed management plan that included a task order management plan, project organization chart, quality management system, and project controls plan. The oral presentation also elaborated upon AECOM's quality management system, which has earned AECOM an ISO 9001:2008 certification for exceptional quality management.

The proposal and oral presentation stressed the importance of identifying risks, understanding stakeholder objectives, and utilizing AECOM's deep-rooted relationships with agency contacts, particularly with Caltrans geometric reviewers and district liaisons. In addition, the proposal demonstrated AECOM's local stakeholder experience, which includes Metro, Caltrans District 7, regional transportation agencies (Orange County Transportation Authority and Riverside County Transportation Commission), councils of government, cities, and local community groups.

The proposal and oral presentation demonstrated that AECOM's key personnel have direct experience across a gamut of disciplines, all stages of design, and an array of project delivery methods. Significantly, the project manager possesses 100% availability. The project manager has 32 years of experience. Other key personnel average over 27 years of experience.

CH2M

CH2M is a global engineering firm that specializes in consulting, design, construction, and operation services. CH2M's proposal and oral presentation showed expertise in a broad range of disciplines, expertise in emerging technologies and grant writing, effective project management, quality control and risk management plans, and an experienced team of project personnel.

The proposal demonstrated experience in all phases of planning and design services across a wide range of disciplines. The proposal identified projects that involved planning and design services, studies, and management. The proposal identified projects that involved technical studies, literature research, data collection, PA/ED services, PS&E services, right-of-way (ROW) and utility services, intelligent transportation systems (ITS) support services, project management services, and administrative project support.

The proposal demonstrated highly relevant on-call experience and substantial local stakeholder experience within the Los Angeles area, including Metro, Caltrans Districts 7, councils of government, municipalities, and city agencies.

The proposal and oral presentation demonstrated substantial experience in emerging technologies and alternative project delivery. The proposal identified leading ITS projects that involve all-electronic tolling, road user pricing, advanced traffic management (ATM) systems, vehicle-miles traveled fee (VMT) systems, adaptive traffic signal control systems (ATSCS), integrated corridor management (ICM), remote traffic microwave sensor (RTMS) detection zones, and dynamic message signs (DMS).

The proposal and oral presentation provided a detailed management plan that is based on CH2M's Program Management Framework system, which standardizes delivery strategy, processes, tools and resources around a common platform. Notably, CH2M's management plan includes utilization of an internal web-based document control system.

The proposal presented a detailed quality control plan that is ISO 9001 compliant. Key elements of the plan include production quality control reviews, technical advisory reviews, and construction management staff reviews. In addition, the proposal and oral presentation addressed CH2M's risk management plan, citing a detailed three pronged approach involving research, stakeholder involvement, and documentation.

The proposal and oral presentation demonstrated that CH2M's key personnel have direct experience across a gamut of disciplines, all stages of design, management planning, and an array of project delivery methods. The availability of personnel ranges from 20% to 90%. The project manager has 37 years of experience. Other key personnel average over 28 years of experience, and task leader's average 24 of years of experience.

Parsons

Parsons is a global engineering and construction company. Parsons' proposal and oral presentation showed expertise in a broad range of disciplines, expertise in emerging technologies and grant writing, effective project management, quality control and risk management plans, and an experienced team of project personnel.

The proposal demonstrated experience in all phases of planning and design services across a wide range of disciplines. It identified projects that involved technical studies, PA/ED services, PS&E, ROW and utility services, ITS services, program management services, design-build services, and funding support.

Most significantly, the proposal identified highly relevant on-call project experience with local stakeholders. Those projects included Caltrans District 7 Design On-Call (with 27 task orders processed), Caltrans District 7 Environmental On-Call (with 18

task orders processed), SANBAG Program Project Management (with over 25 projects), and Bakersfield TRIP Program Management (with 12 projects).

The proposal and oral presentation demonstrated substantial experience in emerging technologies and alternative project delivery. The proposal provided a list of project experience in dynamic shoulder use, active traffic management, tolling, travel demand management, integrated corridor management, and ITS technologies and various strategies for implementing these emerging technologies.

The proposal presentation provided a detailed management plan for planning work, monitoring progress, identifying issues, and recommending solutions. To illustrate its management plan, the proposal included a “Project Development Phases” chart, “Design Build Program Management” diagram, and “Contract Management” chart.

The proposal outlined a detailed quality control plan, which has earned Parsons an ISO 9001:2015 certification. The proposal and oral presentations detailed Parsons’ risk management plan which includes the following six principal components: risk planning, risk identification, risk monitoring and control, risk prioritization (qualitative risk analysis), risk effect analysis (quantitative risk analysis), and risk response planning.

The proposal and oral presentation demonstrated that its key personnel have direct experience across a gamut of disciplines, all stages of design, and an array of project delivery methods. All key personnel have experience in management, planning, and design improvement projects. The availability of key personnel is at 70% or higher. The project manager has 25 years of experience.

Following is a summary of the PET evaluations scores:

	Firm	Average Score	Factor Weight	Weighted Average Score	Rank
1	Parsons Transportation Group, Inc.				
2	Experience and Capabilities of Contractor’s Team	95.33	30.00%	28.60	
3	Management Plan and Controls	90.90	26.00%	23.63	
4	Degree of Skills and Experience of Team Members	95.83	40.00%	38.33	
5	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
6	Total		100.00%	92.56	1
7	CH2M HILL, Inc.				
8	Experience and Capabilities of Contractor’s Team	93.89	30.00%	28.17	
9	Management Plan and Controls	93.33	26.00%	24.27	

10	Degree of Skills and Experience of Team Members	94.17	40.00%	37.67	
11	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
12	Total		100.00%	92.11	2
13	AECOM Technical Services, Inc.				
14	Experience and Capabilities of Contractor's Team	91.44	30.00%	27.43	
15	Management Plan and Controls	90.90	26.00%	23.63	
16	Degree of Skills and Experience of Team Members	93.33	40.00%	37.33	
17	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
18	Total		100.00%	90.39	3
19	HDR Engineering Group, Inc.				
20	Experience and Capabilities of Contractor's Team	85.89	30.00%	25.77	
21	Management Plan and Controls	89.23	26.00%	23.20	
22	Degree of Skills and Experience of Team Members	85.83	40.00%	34.33	
23	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	25.00	4.00%	1.00	
24	Total		100.00%	84.30	4
25	Kimley-Horn and Associates, Inc.				
26	Experience and Capabilities of Contractor's Team	85.33	30.00%	25.60	
27	Management Plan and Controls	86.03	26.00%	22.37	
28	Degree of Skills and Experience of Team Members	85.83	40.00%	34.33	
29	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
30	Total		100.00%	84.30	4
31	Jacobs Engineering Group, Inc.				
32	Experience and Capabilities of Contractor's Team	84.22	30.00%	25.27	
33	Management Plan and Controls	89.62	26.00%	23.30	
34	Degree of Skills and Experience of Team Members	82.50	40.00%	33.00	
35	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
36	Total		100.00%	83.57	6
37	TranSystems Corporation				
38	Experience and Capabilities of Contractor's Team	83.89	30.00%	25.17	

39	Management Plan and Controls	85.51	26.00%	22.23	
40	Degree of Skills and Experience of Team Members	83.33	40.00%	33.33	
41	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
42	Total		100.00%	82.73	7
43	T.Y. Lin International				
44	Experience and Capabilities of Contractor's Team	85.56	30.00%	25.67	
45	Management Plan and Controls	83.46	26.00%	21.70	
46	Degree of Skills and Experience of Team Members	80.83	40.00%	32.33	
47	SBE/DVBE Contacting Outreach and Mentor Protégé Approach	50.00	4.00%	2.00	
48	Total		100.00%	81.70	8

C. Cost Analysis

The recommended fully burdened negotiated rate structure for the labor classifications required under each contract have been determined to be fair and reasonable based upon Metro's Management and Audit Services report.

Work will be performed through the issuance of separate task orders. Proposals submitted for each task order will be subjected to cost analysis, technical analysis, fact finding, and negotiation to determine the fairness and reasonableness of price.

D. Background on Recommended Contractors

AECOM

The first recommended firm, AECOM, located in Los Angeles, has been in business for over 25 years in design and engineering. The firm possesses experience in a diverse range of complex projects. Recent complex projects include the I-710 South Corridor EIR/EIS, I-710 South Utility Study, I-10/I-110 ExpressLanes design-build project, SR-2 Terminus Improvements, and the US 101/Universal Terrace Parkway Interchange.

The proposed project manager has 32 years of experience in managing the planning, design and construction of highways, bridges and transportation related structures. The proposed project manager led the I-405 Improvements (between SR-73 and OC line), I-405/SR-22 HOV Connector, Exposition Light Rail Transit Project (Phase 1), I-10 HOV Widening, and SR-22 Design-Build Program Management.

Key personnel average over 27 years of diverse transportation project experience. Project experience include the I-710 South Corridor EIR/EIS, SR-60/SR-57

Confluence, I-5 PA/ED) I-405 to SR-55), and SR-47/Vincent Thomas Bridge & Front Street/Harbor Boulevard Interchange Reconfiguration PA/ED.

CH2M

The second recommended firm, CH2M, located in Los Angeles, has been in business for over 70 years in transportation planning, design, construction, financing, traffic, operations, and management.

The firm possesses experience in a diverse range of complex projects. Notably, CH2M has managed two separate on-call contracts for Metro and Caltrans District 7. CH2M is the current contractor under Metro's contract for Project Management and Quality Assurance/Control Support Services and the current contractor under Caltrans's contract for On-Call Design Services.

The proposed project manager has 37 years of experience in transportation management, planning, and design. The proposed project manager led the I-5 North HOV & Truck Lanes PS&E, SR 710 Soundwall Package No. 3, PS&E, SR 79 Realignment PA/ED, SR 57 Northbound Widening PS&E, and I-405/SR 55 HOV Connectors PS&E.

Key personnel average over 28 years of diverse transportation project experience. Project experience include the SR-710 Gap North Study Alternatives Analyses, Project Report Preparation, and Environmental Studies Documentation, SR-170 and I-405 Soundwalls, Package 11, Caltrans Planning, Design, and Specialty Services, and California High Speed Rail Special Study.

Parsons

The third recommended firm, Parsons, headquartered in Pasadena, has been in business for over 70 years in design, engineering, and construction.

The firm possesses experience in a wide spectrum of complex projects. Notably, Parsons has managed several on-call contracts. They include the Caltrans Design On-Call, Caltrans Environmental On-Call, SANBAG Program Project Management, and Bakersfield TRIP Program Management.

The proposed project manager has 25 years of experience. Project experience includes the I-5 HOV Lane and Widening Project, I-5 Bridge Replacement at Carmenita, and I-10/I-605 Design-Build Interchange Improvement.

Key personnel average over 29 years of experience. Project experience includes US-101 Operational Improvements (PA/ED), I-405 North Improvement Project (SR-73 to I-605), and SR-91 Corridor Improvement.

All three firms possess a significant amount of local stakeholder experience. Each firm has worked closely with Metro, Caltrans, councils of government, cities, and community groups. With their extensive experience and knowledge, AECOM, CH2M and Parsons possess the ability to complete on-call task orders issued under the RFP's Statement of Work.