

## PROCUREMENT SUMMARY

**ENGINEERING AND DESIGN ON-CALL ADVISORY SERVICES  
AE56750000 through AE56750004**

1.	<b>Contract Number:</b> AE56750000, AE56750001, AE56750002, AE56750003, AE56750004	
2.	<b>Recommended Vendor:</b> AECOM Technical Services Inc., HDR Engineering Inc., Mott MacDonald LLC, Pacific Railway Enterprises Inc., RailPros, 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> 8/6/18	
	<b>B. Advertised/Publicized:</b> 8/6/18	
	<b>C. Pre-Proposal Conference:</b> 9/6/18	
	<b>D. Proposals Due:</b> 10/10/18	
	<b>E. Pre-Qualification Completed:</b> In-process	
	<b>F. Conflict of Interest Form Submitted to Ethics:</b> 01/16/19	
	<b>G. Protest Period End Date:</b> 4/23/19	
5.	<b>Solicitations Picked-up/ Downloaded:</b> 243	<b>Proposals Received:</b> 11
6.	<b>Contract Administrator:</b> Mark Penn	<b>Telephone Number:</b> 213-922-1455
7.	<b>Project Manager:</b> Jeanet Owens	<b>Telephone Number:</b> 213-418-3189

**A. Procurement Background**

This Board Action is to approve Contract Nos. AE56750000, AE56750001, AE56750002, AE56750003, and AE56750004 issued to AECOM Technical Services, Inc., HDR Engineering, Inc., Mott MacDonald LLC, Pacific Railway Enterprises, Inc., and Rail Pros, Inc., respectively, in support of engineering and design on-call advisory services for rail projects in 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) was issued in accordance with Metro's Acquisition Policy. The RFP was issued with an SBE/DVBE goal of 28% (SBE 25% and DVBE 3%). Contract type is a fixed unit labor rate basis.

Work under 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.

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

- Amendment No. 1, issued on September 18, 2018, extended the proposal due date and question submission date.
- Amendment No. 2, issued on September 27, 2018, extended the proposal due date.
- Amendment No. 3, issued on October 4, 2018, extended the proposal due date.

A pre-proposal conference was held on September 6, 2018 and was attended by 230 participants representing 124 companies. There were 47 questions asked and responses were released prior to the proposal due date.

A total of 243 firms downloaded the RFP and were included in the plan holders list. A total of 11 proposals were received on October 10, 2018.

## **B. Evaluation of Proposals**

A Proposal Evaluation Team (PET) consisting of staff from Metro and Southern California Regional Rail Authority (SCRRA or Metrolink) was convened and conducted a comprehensive technical evaluation of the proposals received.

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

- |                                    |            |
|------------------------------------|------------|
| • Skill and Experience of the Team | 40 percent |
| • Project Management Plan          | 35 percent |
| • Project Understanding            | 25 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 skill and experience of the team.

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 11, 2018 through November 8, 2018, the PET completed its independent evaluation of the proposals. The PET determined that four firms were outside the competitive range and were not included for further consideration as proposals were not clear in addressing the requirements.

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

1. AECOM Technical Services Inc.
2. HDR Engineering, Inc.

3. Mott MacDonald, LLC
4. Pacific Railway Enterprises, Inc.
5. RailPros, Inc.
6. Regional Rail Engineering Team
7. TY Lin International

On November 16, 2018, the PET interviewed the seven 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 qualifications and project experience.

In addition, the project manager and key personnel from each firm responded to the PET's inquiries regarding the firm's commuter rail experience, experience with innovative technologies and creative project delivery solutions, approach to increasing ridership, and ability to negotiate between design preferences and design standards, reconcile between contract requirements and project requirements, and manage conflicting stakeholder interests.

### **Qualifications Summary of Recommended Firms**

#### **HDR Engineering, Inc.**

HDR was founded in 1917 and since 1973, has been a part of the Southern California business landscape with office locations in Los Angeles, Irvine, Long Beach, Riverside, and San Diego. Locally, HDR has 400 professionals who specialize in planning, environmental, rail, transit, structures, highway, roadway, water, and construction management services.

In its proposal and during oral presentation, HDR provided a clear and concise program management plan (PMP) that included resource allocation and project controls. One key element in resource allocation was that HDR would leverage staff in various offices if necessary, locally and nationally. A clear stakeholder coordination and community support plan was also presented. HDR also identified a list of technical approaches for work tasks and identified projects on where that same approach may have been previously used on other HDR projects.

#### **RailPros, Inc.**

RailPros, Inc. is a rail and freight rail consultant in Southern California. The company has 125 California staff with the local staff providing a full range of expertise with project managers, disciplinary engineers, project controls, construction management, inspection, and flagging staff.

In their proposal and during oral presentations, RailPros, Inc. displayed a clear understanding of the requirements of the program in addition to the challenges that would be encountered. A six-step approach to success was presented in the proposal; and during oral presentation, the company demonstrated extensive experience in designing and building regional rail systems while maintaining service at the same time. The PMP was clear and well thought out. Personnel designated as key would be dedicated for the duration of the contract.

The team's collective areas of expertise as highlighted in the proposal and during oral presentations include railroad crossings, track work, quiet zones, signaling, PTC, traffic engineering, structures, fiber optics, station communications, civil, utilities, third party coordination, construction phasing, public finance, and procurement support.

### **Pacific Railway Enterprises, Inc.**

Pacific Railway Enterprises, Inc. (PRE) is a Southern California local business that provides program management, civil engineering, right-of-way engineering, and signal and communications design to its clients.

In their proposal and during oral presentation, PRE demonstrated extensive experience with freight and commuter rail lines. An overview of some basic overriding aspects that are key to delivering a successful project was provided in the proposal. The PMP was clear and emphasized that PRE was positioned to provide responses in a timely manner. A schedule was provided in the proposal which helped provide clarity in understanding anticipated work.

### **AECOM Technical Services Inc.**

AECOM is a global provider of transportation planning, engineering, urban design, architecture, technical support, and management services to a broad range of markets, including the transit industry.

AECOM presented a clear and concise PMP. Six task focus areas were identified as being the core concentration of the project: Rail Corridor and Track Design; Grade Separations; Grade Crossings; Stations and Facilities; Systems; and Specialty Services and Support. In addition, AECOM and its team outlined a detailed approach in providing a comprehensive utility investigation and design application that could be applied to any variation of transit projects, large or small.

### **Mott MacDonald, LLC**

Mott MacDonald LLC provides rail engineering services that range from corridor planning and feasibility studies to preliminary and final engineering design, construction management, commissioning, and asset management.

The proposal and oral presentation showed the company being able to balance working with railroads and relevant stakeholders on commuter rail projects without disrupting operations. The company demonstrated a good understanding of the statement of work and how work should be processed. In addition to a good explanation regarding how coordination with public and private stakeholders was provided, drone technology and its capability was also discussed as a means of addressing general project challenges.

Following is a summary of the PET evaluation scores:

	Firm	Average Score	Factor Weight	Weighted Average Score	Rank
<b>1</b>	<b>HDR</b>				
<b>2</b>	Skill and Experience of the Team	90.00	40.00%	36.00	
<b>3</b>	Project Management Plan	84.66	35.00%	29.63	
<b>4</b>	Project Understanding	86.67	25.00%	21.67	
<b>5</b>	<b>Total</b>		<b>100.00%</b>	<b>87.30</b>	<b>1</b>
<b>6</b>	<b>Rail Pros, Inc.</b>				
<b>7</b>	Skill and Experience of the Team	82.23	40.00%	32.89	
<b>8</b>	Project Management Plan	85.33	35.00%	29.87	
<b>9</b>	Project Understanding	87.33	25.00%	21.83	
<b>10</b>	<b>Total</b>		<b>100.00%</b>	<b>84.59</b>	<b>2</b>
<b>11</b>	<b>Pacific Railway Enterprises, Inc.</b>				
<b>12</b>	Skill and Experience of the Team	82.23	40.00%	32.89	
<b>13</b>	Project Management Plan	82.00	35.00%	28.70	
<b>14</b>	Project Understanding	71.33	25.00%	17.83	
<b>15</b>	<b>Total</b>		<b>100.00%</b>	<b>79.42</b>	<b>3</b>
<b>16</b>	<b>AECOM Technical Services Inc.</b>				
<b>17</b>	Skill and Experience of the Team	77.78	40.00%	31.11	
<b>18</b>	Project Management Plan	78.66	35.00%	27.53	
<b>19</b>	Project Understanding	80.00	25.00%	20.00	
<b>20</b>	<b>Total</b>		<b>100.00%</b>	<b>78.64</b>	<b>4</b>
<b>21</b>	<b>Mott MacDonald LLC</b>				
<b>22</b>	Skill and Experience of the Team	81.10	40.00%	32.44	
<b>23</b>	Project Management Plan	78.00	35.00%	27.30	
<b>24</b>	Project Understanding	75.32	25.00%	18.83	

<b>25</b>	<b>Total</b>		<b>100.00%</b>	<b>78.57</b>	<b>5</b>
<b>26</b>	<b>Regional Rail Engineering Team</b>				
<b>27</b>	Skill and Experience of the Team	77.78	40.00%	31.11	
<b>28</b>	Project Management Plan	70.67	35.00%	24.73	
<b>29</b>	Project Understanding	72.68	25.00%	18.17	
<b>30</b>	<b>Total</b>		<b>100.00%</b>	<b>74.01</b>	<b>6</b>
<b>31</b>	<b>TY Lin International</b>				
<b>32</b>	Skill and Experience of the Team	68.83	40.00%	27.53	
<b>33</b>	Project Management Plan	72.00	35.00%	25.20	
<b>34</b>	Project Understanding	73.28	25.00%	18.32	
<b>35</b>	<b>Total</b>		<b>100.00%</b>	<b>71.05</b>	<b>7</b>

### **C. Cost Analysis**

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

### **D. Background on Recommended Contractors**

#### **HDR Engineering, Inc.**

Nationally, HDR is supported by nearly 10,000 employee owners in over 200 locations world-wide and has completed projects in 60 countries. Other clients include Metrolink, SBCTA, RCTC, OCTA, SANDAG, NCTD, Amtrak, UPRR, BNSF, and Alameda Corridor-East Construction Authority. In addition, HDR Engineering, Inc. has extensive experience in transportation planning, corridor studies, transit alternatives, strategic plan development, policy development, environmental planning, environmental documents, engineering design, architecture, grant programs, and Right of Way.

Their proposed Project Manager has more than 23 years of experience and has conducted transportation planning studies for Southern California public agencies since 1980. Other key HDR staff members average over 24 years in the industry.

#### **RailPros, Inc.**

RailPros, Inc. is focused on rail infrastructure and their stated mission is to provide complete railroad project delivery services from concept through completion characterized by technical excellence and outstanding service that creates long term

value to its customers. Their proposed Project Manager has over 20 years' experience on railroad projects and has managed railroad track and structures projects as well as led and performed railroad structures engineering work. Other key personnel average over 18 years of experience.

The company currently has contracts with Metrolink, Metro, UPRR, BNSF, the Ports, LOSSAN, private clients and related public agencies respectively. Current business includes active projects such as, but not limited to, Van Nuys North Platform, Vista Canyon Multi-Modal Center, SCRRA On-Call, SMART Larkspur Extension, and ACE Grade Crossings.

### **Pacific Railway Enterprises, Inc.**

Pacific Railway Enterprises, Inc. (PRE) is a local business in operation since 1994. The company's experience is in providing program management, civil engineering, right-of-way engineering, and signal and communications design. Offices are located in Riverside, CA and San Diego, CA. Recently completed projects include Metrolink's Perris Valley Line and the San Bernardino Downtown Passenger Rail Project, as well as work on the Orange County and Valley Ventura Lines and Positive Train Control (PTC) interfaces with rail vehicles. PRE is also providing final signal design for the Redlands Rail Passenger Project.

The proposed Project Manager has over 34 years of experience on railroad projects.

### **AECOM**

Headquartered in Los Angeles, California, AECOM and its legacy companies have been providing technical services for commuter and intercity rail and freight rail for over 75 years and has worked with nearly every major transit agency and every Class 1 railroad in the US and Canada. AECOM has a long history of working with Metro and SCRRA beginning with engineering assistance in the early 1990's and continuing today. The experience includes corridor planning and track, grade crossing, station, bridge, and systems design and construction management on high-traffic rail corridors with compressed construction windows.

Other projects include the Empire Avenue Grade Separation, Perris Valley Extension, City of Glendale Grade Crossing Improvements, Orange Line/Chatsworth Metrolink Station, and LA County Grade Crossing and Corridor Study. AECOM is staffed globally and nation-wide, with 300 of its total personnel located in Los Angeles. The project manager has 36 years of experience. Other key personnel average over 26 years of experience.

### **Mott MacDonald, LLC**

Mott MacDonald is an employee owned global planning, engineering, management, and development consultancy with a long history of serving public and private sector

clients with a broad and diverse range of professional services. For the past 30 years, the company has been actively delivering rail engineering projects in the LA County. Clients have and presently include OCTA, SBCTA, NCTD, CHSRA, and Metro. Projects include, but are not limited to, shared corridor design with CHSRA; OCTA's Grade Separation Program; delivering a program of track and station upgrades for NCTD; and prime consultant on the Crenshaw/LAX project for Metro.

The proposed project manager has over 29 years of railroad engineering project experience. Other proposed key personnel average over 26 years of experience in rail services ranging from project management, support facilities, utilities, grade crossings, structures, station planning, feasibility studies, engineering design, construction management, third party stakeholder management, and commissioning.