

**PROCUREMENT SUMMARY
CONSULTING SERVICES FOR THE P2000 LIGHT RAIL VEHICLE (LRV)
OVERHAUL PROGRAM, TECHNICAL AND PROGRAM MANAGEMENT
SUPPORT SERVICES / OP20113000**

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| 1. | Contract Number: OP20113000 | |
| 2. | Recommended Vendor: CH2M Hill | |
| 3. | Type of Procurement (check one): <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP <input type="checkbox"/> RFP-A&E <input type="checkbox"/> Non-Competitive <input type="checkbox"/> Modification <input type="checkbox"/> Task Order | |
| 4. | Procurement Dates: | |
| | A. Issued: October 2, 2015 | |
| | B. Advertised/Publicized: September 25, 2015 | |
| | C. Pre-proposal/Pre-Bid Conference: October 15, 2015 | |
| | D. Proposals/Bids Due: November 30, 2015 | |
| | E. Pre-Qualification Completed: October 21, 2016 | |
| | F. Conflict of Interest Form Submitted to Ethics: October 14, 2016 | |
| | G. Protest Period End Date: March 20, 2017 | |
| 5. | Solicitations Picked up/Downloaded: 19 | Bids/Proposals Received: 2 |
| 6. | Contract Administrator: Susan Dove | Telephone Number: (213) 922-7451 |
| 7. | Project Manager: Annie Yang | Telephone Number: (213) 922-3254 |

A. Procurement Background

This Board Action is to approve the award of Contract No. OP20113000 for technical consulting services for the P2000 Light Rail Vehicle Overhaul Program to assist and augment Metro staff to ensure the successful overhaul of the P2000 Light Rail Vehicles. The recommended consultant shall provide engineering and administrative resources to support Metro's Project Manager in the technical and program management of the project. Board approval of contract awards are subject to resolution of all properly submitted protests.

The RFP was issued in accordance with Metro's Acquisition Policy. This was a best value procurement, and the contract type is Cost-Plus Fixed Fee.

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

- Amendment No. 1, issued on October 12, 2015, modified pricing forms.
- Amendment No. 2, issued on October 21, 2015, extended the proposal due date to November 12, 2015.
- Amendment No. 3, issued on November 4, 2015, extended the proposal due date to November 19, 2015.
- Amendment No. 4, issued on November 13, 2015, extended the proposal due date to November 30, 2015.
- Amendment No. 5, issued on March 31, 2016, to clarify the evaluation criteria.

- Request for Clarification/Interviews was issued in lieu of Amendment No. 6, on August 12, 2016, after receipt of proposals.
- Amendment No. 7, issued on September 26, 2016, was issued after receipt of proposals to invite firms to submit Best and Final Offers (BAFO's) as a result of revisions in the labor mix allocation.
- Amendment No. 8, issued on September 30, 2016, was issued after receipt of proposals to modify pricing forms.
- Amendment No. 9, issued on January 20, 2017, was issued to clarify the statement of work and commercial terms.

A total of two proposals were received on November 30, 2015. The initial proposal evaluation resulted in a series of clarifications to obtain further details from both proposers. Discussions and negotiations with the consultants were postponed until March 2016 when P2000 overhaul contractor proposals were due. The procurement process for the technical consulting contract was delayed in order to coincide with the award of the P2000 overhaul contract. Clarification interviews and presentations were conducted in August 2016. As a result of the clarification interviews, Metro staff concluded that the labor hour allocation needed to be revised higher to more accurately reflect Metro's operational needs on the P2000 Overhaul Contract. Therefore, requests for Best and Final offers (BAFO's) included an adjusted labor mix allocation. BAFO's were received on October 7, 2016. To ensure that the P2000 overhaul contract and the consulting contract were awarded simultaneously, the recommendation for award of the consulting contract was delayed until a full re-assessment of the P2000 Overhaul Project was completed.

As a result of additional changes in programmatic requirements in the P2000 Overhaul project, a request for revised Best and Final Offer was issued on January 20, 2017. Revised BAFO proposals for the P2000 Light Rail Vehicle Overhaul Consultant Support Services were received on January 27, 2017.

B. Evaluation of Proposals

The Proposal Evaluation Team consisting of staff from Metro's Rail Vehicle Acquisition Department, Rail Vehicle Engineering, and Rail Fleet Services convened and conducted a comprehensive technical evaluation of the proposals received. The proposals were evaluated based on the following evaluation criteria and weights:

| | |
|--|-------------|
| The firm's degree of skills and experience | 30% percent |
| Staff quality and technical expertise | 20% percent |
| Understanding of work and appropriateness of approach for implementation | 20% Percent |
| Price | 30% percent |

The evaluation criteria are appropriate and consistent with evaluation criteria developed for similar Best Value procurements. Several factors were considered when developing these weights, giving the greatest importance to the firm's skills, staff experience, and price.

All proposals were determined to be within the competitive range. The firms within the competitive range are listed below in alphabetical order:

1. CH2M Hill
2. Virginkar Associates/Parsons Brinckerhoff – Joint Venture

On August, 12, 2016, clarification/interviews were conducted. The firms' project managers and key team members had an opportunity to present each team's qualifications and respond to the evaluation team's questions. Each team's 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.

Negotiations were conducted with both firms. On September 25, 2016, Best and Final Offers (BAFOs) were requested. On October 7, 2016, two BAFO proposals were received. Final revised pricing was received on January 27, 2017.

The PET evaluated the BAFO's and determined that CH2M Hill's was the most advantageous to LACMTA based upon the proposal evaluation criteria. CH2M Hill's proposal exceeded the RFP's requirements based on the firm's and staff's experiences on similar projects. CH2M Hill demonstrated its expertise in rail vehicle engineering consulting services by providing a comprehensive implementation plan showing specific consultant staff responsible for managing each major milestone during the program support services. CH2M Hill's strengths are listed below:

- Proposed a Senior Schedule Analyst who strengthened the team's skill, quality, technical expertise, and experience based on the scheduler's education and experience background.
- Proposed a Systems Integrator Engineer with extensive background and systems integration experience which enhanced the team in the critical area of system integration.

Qualifications Summary of Firms Within the Competitive Range:

CH2M Hill

CH2M Hill provided technical consulting services to LACMTA for development of the A650 technical specification and commercial requirements. CH2M Hill currently provides program support services for the P3010 Light Rail Vehicle Project. Since it has extensive experience with Metro projects, the firm will be able to begin work immediately as an integrated team to support the design development and to oversee the timely overhaul of the P2000 rail cars.

Other similar projects include the Midlife overhaul of CAF Heavy Rail Vehicle for the Port Authority of Allegheny County, (PAAC) Pittsburgh, PA. CH2MHill was also awarded the Service, Maintenance and Reliability Support contract for Massachusetts Bay Transportation Authority (MBTA).

VIRGINKAR/PARSONS BRINCKERHOFF – JOINT VENTURE

Both firms within the Joint Venture overall had experience working on overhaul projects. These project include the Massachusetts Bay Transit Authority (MBTA) on the 25 GP40 MC Diesel

Electric Locomotive Project and the Siemens Light Rail Vehicle Overhaul Project for the Port Authority of Allegheny County (PAAC). Although the team has experienced staff, it proposed less experienced systems integration engineers. The systems integration engineer position is critical to success of the project. Virginkar/Parsons Brinckerhoff Joint Venture is technically capable of performing the work.

| 1 | Firm | Average Score | Factor Weight | Weighted Average Score | Rank |
|----|--|---------------|---------------|------------------------|----------|
| 2 | Firm 1 CH2M Hill | | | | |
| 3 | Skills and Experience the Firm | 79.17 | 30.00% | 23.75 | |
| 4 | Staff Quality and Technical Experience | 86.50 | 20.00% | 17.30 | |
| 5 | Understanding of the Work | 87.50 | 20.00% | 17.50 | |
| 6 | Price | | 30.00% | 30.00 | |
| 7 | Total | | 100.00% | 88.55 | 1 |
| 8 | Firm 2 Virginkar/PB (Joint Venture) | | | | |
| 9 | Skills and Experience of the Firm | 69.17 | 30.00% | 20.75 | |
| 10 | Staff Quality and Technical Experience | 68.33 | 20.00% | 13.67 | |
| 11 | Understanding of the Work | 70.83 | 20.00% | 14.17 | |
| 12 | Price | | 30.00% | 27.84 | |
| 13 | Total | | 100.00% | 76.43 | 2 |

C. Cost/Price Analysis

The recommended Not-To-Exceed Price has been determined to be fair and reasonable based on, an independent cost estimate, MAS audit findings, cost analysis of direct rates and provisional overhead rates, technical evaluation, fact finding, and negotiations. The negotiated NTE prices increased from the original proposed amounts for both Proposers after discussions led to a higher level of direct hours required.

| | Proposer Name | Proposal Amount | Metro ICE | Negotiated or NTE amount |
|----|-------------------|-----------------|-------------|--------------------------|
| 1. | CH2M Hill | \$5,770,144 | \$5,702,539 | \$5,829,626 |
| 2. | Virginkar/Parsons | \$6,148,646 | \$5,702,539 | \$6,282,272 |

D. Background on Recommended Contractor

The recommended firm, CH2M Hill, has been in business for over 70 years and is a global engineering company that provides consulting, design, construction, and Rail Vehicle Program Support Services.

CH2M Hill proposed Senior Systems Integrator Engineers who combined have over 70 years of experience in systems integration in the Rail Vehicle industry and were involved with rail vehicle overhaul procurements from technical specification development to final acceptance. Overall, the proposed staff clearly exceeded the minimum requirements. All proposed staff including subcontractors has extensive technical and program management support experience.