

PROCUREMENT SUMMARY

SYSTEMS ENGINEERING AND SUPPORT SERVICES
AE47810E0128

1.	Contract Number: AE47810E0128	
2.	Recommended Vendor: SECOTrans (Joint Venture of LTK Engineering Services, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, 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: November 14, 2017	
	B. Advertised/Publicized: November 16, 2017	
	C. Pre-Proposal Conference: December 7, 2017	
	D. Proposals Due: January 5, 2018	
	E. Pre-Qualification Completed: March 27, 2018	
	F. Organizational Conflict of Interest Review Completed by Ethics: March 27, 2018	
	G. Protest Period End Date: April 23, 2018	
5.	Solicitations Picked up/Downloaded: 120	Proposals Received: 3
6.	Contract Administrator: Diana Sogomonyan	Telephone Number: 213.922.7243
7.	Project Manager: Ron Tien	Telephone Number: 213.922.7263

A. Procurement Background

This Board Action is to approve Contract No. AE47810E0128 Systems Engineering and Support Services, to supplement Metro's Engineering Department resources in providing engineering services for projects in varying stages of conceptual design, preliminary engineering, final design, bidding for construction, and design support during construction (DSDC), including the following: program management, quality, and computer aided design and drafting (CADD); design services concerning train control, communications systems, traction power, and overhead catenary systems (OCS); operational runtime simulation and modeling, corrosion control, system integration, facilities and system-wide electrical, facilities mechanical, facilities plumbing, and facilities fire protection. The consultant will furnish all of the labor, materials, and other related items required to perform the services on a Contract Work Order basis for a project, under which specific Task Orders will be issued for

specific Scopes of Services and Period of Performance. Board approval of contract awards are subject to resolution of any properly submitted protest.

The Request for Proposals (RFP) was an Architectural & Engineering (A&E) qualifications based procurement process performed in accordance with Los Angeles County Metropolitan Transportation Authority (Metro) Procurement Policies and Procedures, and California Government Code §4525-4529.5 for Architectural and Engineering (A&E) services. The contract type is a Cost Plus Fixed Fee (CPFF). The Contract is for a term of seven (7) years with three (3) one-year options.

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

- Amendment No. 1, issued on November 22, 2017, clarified the Submittal Requirements and Evaluation Criteria;
- Amendment No. 2, issued on December 5, 2017, clarified the Cost Reimbursable Contract Scope of Services, Special Provisions, and Labor Compliance Manual;
- Amendment No. 3, issued on December 22, 2017, clarified the Cost Reimbursable Contract Special Provisions, General Conditions, Compensation & Payment Provisions, Scope of Services, Submittal Requirements, and Evaluation Criteria.

A total of three (3) proposals were received on January 5, 2018.

B. Evaluation of Proposals

A Proposal Evaluation Team (PET) consisting of staff from Metro Executive Office, Transit Project Delivery, Systems Engineering, Facilities Engineering Operations, Safety, and Light Rail Wayside Systems was convened and conducted a comprehensive evaluation of the proposals received.

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

- Experience and Capabilities of the Firms on the Consultant’s Project Team.....(30%)
- Key Personnel’s Skills and Experience.....(30%)
- Effectiveness of Management Plan.....(15%)
- Understanding of Work and Appropriateness of Approach for Implementation.....(25%)

The evaluation criteria were appropriate and consistent with criteria developed for other, similar Architect and Engineers (A&E) procurements. Several factors were considered when developing the weightings, giving the greatest importance to the Experience and Capabilities of the Firms on the Consultant's Project Team and Key Personnel's Skills and Experience. Since this is an A&E, qualifications based procurement price could not and cannot be used as an evaluation factor pursuant to state and federal law.

All three proposals received were determined to be within the competitive range and are listed below in alphabetical order:

1. Metro Systems + Partners, a Joint Venture, consisting of Hatch Associates Consultants, Inc. and SENER.
2. SECOTrans, a Joint Venture, consisting of LTK Engineering Services, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, Inc.
3. Systems Delivery Partners, a Joint Venture, consisting of WSP USA Inc., Mott MacDonald LLC and Auriga Corporation.

During the months of January and February of 2018, the PET reviewed the three written qualification proposals. On January 24, 2018, the PET met with all three Proposers for oral presentations. The firms were given the opportunity to present on 1) Effectiveness of Management Plan, and 2) Understanding of Work and Appropriateness of Approach for Implementation.

The proposing firms' had the opportunity to present their proposed project managers, key personnel and some of their key members, as well as respond to the PET's questions. In general each proposer's presentation addressed the requirements of the RFP, experience with all aspects of the required and anticipated tasks, and stressed each proposer's commitment to the success of the contract. Each proposing team was asked questions relative to each firm's previous experience performing work of a similar nature to the Scope of Services presented in the RFP. Sealed cost proposals were received at the time of oral presentations.

After the recommendation of the most qualified proposer was approved by the Executive Officer of Vendor/Contract Management V/CM, the recommended most qualified proposer's cost proposal was opened. V/CM completed its cost analysis and engaged in negotiations with the recommended proposer.

Qualifications Summary of Recommended Firm:

The Proposal Evaluation Team (PET) ranked the proposals and assessed major strengths, weaknesses and associated risks of each of the Proposers to determine the most qualified firm. The final scoring was based on evaluation of the written proposals as supported by oral presentations and clarifications received from the Proposers. The results of the final scoring are shown below:

1	Firm/Evaluation Factor	Average Score	Factor Weight	Weighted Average Score	Rank
2	SECOTrans, JV				
3	Experience and Capabilities of the Firms on the Consultant's Project Team	95.33	30%	28.60	
4	Key Personnel's Skills and Experience	90.00	30%	27.00	
5	Effectiveness of Management Plan	92.00	15%	13.80	
6	Understanding of Work and Appropriateness of Approach for Implementation	92.80	25%	23.20	
7	Total		100.00%	92.60	1
8	Systems Delivery Partners, JV				
9	Experience and Capabilities of the Firms on the Consultant's Project Team	89.33	30%	26.80	
10	Key Personnel's Skills and Experience	87.33	30%	26.20	
11	Effectiveness of Management Plan	78.67	15%	11.80	
12	Understanding of Work and Appropriateness of Approach for Implementation	83.20	25%	20.80	
13	Total		100.00%	85.60	2
14	Metro Systems + Partners, JV				
15	Experience and Capabilities of the Firms on the Consultant's Project Team	73.33	30%	22.00	
16	Key Personnel's Skills and Experience	63.33	30%	19.00	
17	Effectiveness of Management Plan	77.33	15%	11.60	
18	Understanding of Work and Appropriateness of Approach for Implementation	84.00	25%	21.00	
19	Total		100.00%	73.60	3

Weighted Scores are rounded up to the nearest second decimal point.

The evaluation performed by the PET determined SECOTrans as the most qualified firm and team to provide Systems Engineering and Support Services, as provided in the RFP Scope of Services. What distinguished SECOTrans was they demonstrated, through their written proposal and oral presentation, their extensive technical experience performing Systems Engineering design and significant

expertise in each of the specialty areas identified in the Scope of Services. SECOTrans has also demonstrated an exceptionally thorough and comprehensive understanding in many areas concerning Systems Engineering services. Focus of SECOTrans on the four key elements for success: Safety, Engineering, Construction, and Operations, or “SECO,” showed a clear understanding of construction and Operations. The team is highly experienced in delivering similar task order based contracts; with an excellent record in client satisfaction on Metro projects and similar projects around the U.S.

Members of the team providing services to Metro under other contracts may not be eligible to perform certain tasks under this contract if, in accordance with Metro’s Organizational Conflict of Interest policy, their performance would result in an organizational conflict of interest.

C. Cost/Price Analysis

The recommended price has been determined to be fair and reasonable based upon a cost analysis of labor rates, indirect rates and other direct costs completed in accordance with Metro’s Procurement Policies and Procedures. The analysis includes, among other things, a comparison with similar firms; an analysis of rates and factors for labor, and other direct costs upon which the consultant will base its billings. Metro negotiated and established provisional indirect (overhead) rates, plus a fixed fee based on the total estimated cost for task orders during the contract term to compensate the consultant.

Audits will be completed, where required, for those firms without a current applicable audit of their indirect cost rates, other factors, and exclusion of unallowable costs, in accordance with Federal Acquisition Regulation (FAR) Part 31. In order to prevent any unnecessary delay in contract award, provisional overhead rates have been established subject to Contract adjustments. In accordance with FTA Circular 4220.1.f, if an audit has been performed by any other cognizant agency within the last twelve month period, Metro will receive and accept that audit report for the above purposes rather than perform another audit.

Proposer Name	Proposal Estimate	Metro ICE	Recommended NTE amount
SECOTrans, Joint Venture	N/A ⁽¹⁾	\$28,932,000 ^{(2), (3)}	\$28,932,000 ^{(2), (4)}

- (1) A proposal amount was not applicable. This is a Cost Plus Fixed Fee (CPFF) Task Order Contract with no definable level of effort for the Scope of Work. Hourly labor rates, overhead and fee were negotiated and determined to be fair and reasonable.
- (2) FY '19 starts from July 1, 2018 thru June 30, 2019
FY '20 starts from July 1, 2019 thru June 30, 2020
- (3) The amount \$28,932,000 is V/CM's extraction from the Independent Cost Estimate (ICE) for the first two fiscal year contract base period.

(4) The amount of \$28,932,000 is the Not to Exceed amount for the FY '19 –FY '20 period. Future work will be funded according to an Annual Work Program, on a two year basis. The total contract amount will be the aggregate value of all task orders negotiated with the Consultant through the term of the contract.

The Systems Engineering Services Independent Cost Estimate was developed using the current master schedule and construction estimates available from the Program Management Project Controls department. An estimated cost was determined for each project using past project costs, systems to civil project percentages along with historical rates. Depending on the type of transit project and the complexity, the percentages were derived from the overall construction costs to determine the systems construction and engineering costs. Once the systems engineering costs were estimated, they were distributed across each fiscal year according to the master schedule. Other costs for Maintenance of Way (MOW) support, State of Good Repair and Transit Asset Management, were independently developed with each department.

D. Background on Recommended Contractor

SECOTrans is a Joint Venture of LTK Engineering Services and three Disadvantaged Business Enterprise (DBE) firms, NBA Engineering Inc., Pacific Railway Enterprises Inc., and Ramos Consulting Services, Inc.

The team members have provided systems engineering efforts in North America, including Los Angeles, Denver, Seattle and Portland, as well as internationally. Collectively, SECOTrans brings extensive capabilities in various systems disciplines and deep experience in their associated light rail, heavy rail, and bus rapid transit (BRT) applications, involving a broad range of project delivery methods. The Program Manager holds a Bachelor of Science in Electrical/Electronic Engineering. Offering 17-years of Systems Engineering experience, he has been employed with LTK Engineering Services since 1998. The Program Manager's experience highlights include: Project Manager for Metro's current Supplemental Engineering Services (SES) Contract (for Rail Systems Engineering); Systems Manager for Denver Regional Transportation District (RTD) T-REX and FasTracks projects; and Deputy Systems Project Manager for Seattle East Link Light Rail Project.

LTK Engineering Services (LTK) is a rail consulting firm with more than 80 years of experience in rail systems and vehicle design. LTK's staff of over 400 includes more than 290 professionals with expertise in all areas of rail systems and rail vehicle planning, engineering, and economic analysis. LTK has provided systems engineering efforts on a current Metro Supplemental Engineering Services (SES) contract and other recent major systems engineering assignments undertaken on behalf of agencies in Denver, Seattle, Minneapolis and Portland.

NBA Engineering, Inc. (NBA) is a certified DBE firm and has been in operations since 1994. The firm provides MEP services including electrical and emergency power, lighting, LEED and sustainability, HVAC (dry and wet sites), plumbing and

fire protection design. NBA developed the system-wide raceway design and construction cost estimate for BART's 8.2-mile extension to San Francisco International Airport, and provided plumbing, fire protection, electrical power, lighting distribution, fire alarm, cost estimating and construction staging services for BART's Concord, CA, maintenance shop extension. In LA, they are providing mechanical and systems design, and tunnel ventilation for two underground stations for the Purple Line Section 2, as well as MEP for train control and communications rooms at four above ground stations on the Crenshaw Line.

Pacific Railway Enterprises, Inc. (PRE) is a certified DBE and has been in operations since 1994. The firm specializes in train control and communications systems. Headquartered in Riverside, CA, PRE's staff of 30 provides comprehensive services at all project stages from design to commissioning. PRE completed the final design package for Metro's microwave radio replacement project, developed train control loop designs for the Gold, Blue and Green Lines, and developed drawings and specifications for the Gold Line UPS system upgrade.

Ramos Consulting Services, Inc. (Ramos CS) is a certified DBE firm. The firm provides project controls, third-party engineering and construction support. Ramos CS has worked on various projects in the LA region including the current Metro projects Advanced Utility Relocation for the Expo Line Phase 2 and Purple Line Section 1.