



BRIEFING: August 9, 2016, BOARD MEETING AGENDA ITEM #4

TO: Chairman Richard and Board Members

FROM: Scott Jarvis, Chief Engineer

DATE: August 9, 2016

RE: Consider Awarding the Contract for Geotechnical Site Investigation Services in the Silicon Valley to Central Valley Line

Summary of Action Requested

Staff is recommending that the Board approve the award of a contract for Geotechnical Site Investigation Services in the Silicon Valley to Central Valley Line for a term of three years and a not-to-exceed contract amount of \$28,000,000 to Kleinfelder, Inc.

Background

The 2016 Business Plan identifies the Silicon Valley to Central Valley Line as the first operating section of the high-speed rail system. As outlined in the 2016 Business Plan, staff anticipates that there will be three to five significant design-build construction contracts requiring geotechnical subsurface investigations in the Silicon Valley to Central Valley Line, specifically in the Northern California region from San Jose to Gilroy, through the Pacheco Pass into the San Joaquin Valley to Madera.

At the June 14, 2016 Board meeting the Board approved issuance of a Request for Qualifications (RFQ) for Geotechnical Site Investigation Services. As explained in the supporting documents for that action, there are two fundamental levels of geotechnical investigations associated with the development of the high-speed rail system. The first level is work that is conducted to support environmental clearance. The second level is performed in order to prepare for design and construction of the segments. The Authority's environmental and engineering consultant for this region, HNTB, is completing the level of investigation necessary for environmental clearance. The additional geotechnical investigation provided for in the RFQ will assist the Authority's preparation for design and construction in Northern California and, importantly, inform and support the procurement of the upcoming major construction packages in this region.

Prior Related Board Action

Pursuant to Board Resolution #HSRA 16-17, approved by the Authority Board on June 14, 2016, the Authority issued a RFQ on June 16, 2016 seeking Statements of Qualifications (SOQs) from qualified firms (Offerors) for Geotechnical Site Investigation services in the Silicon Valley to

Central Valley Line. The Authority Board approved contract compensation not-to-exceed \$28,000,000.

Discussion

RFQ Process

The RFQ was issued on June 16, 2016, and has been managed directly by Authority staff with support from the RDP consistent with the State's competitive Architectural & Engineering procurement process, including Government Code, Sections 4525-4529.5. The SOQs were due on July 18, 2016 and reviewed and analyzed by qualified senior Authority staff. The staff comprising the Evaluation Selection Committee was made under the direction of the Chief Financial Officer, pursuant to Authority Board policy PROC-FIN-001.

A total of five Offerors submitted SOQs as follows: (1) Amec Foster Wheeler; (2) ARUP; (3) ENGEO Mott McDonald; (4) Kleinfelder, Inc.; and (5) Shannon & Wilson, Inc.

SOQ Evaluation Process

The SOQs were reviewed and evaluated by the Evaluation Selection Committee (ESC) in accordance with the RFQ's evaluation criteria and the Authority's administrative regulations, policies, and procedures. The ESC scored the five SOQs pursuant to the criteria from the RFQ, which included criteria within these areas:

- PAST PERFORMANCE AND EXPERIENCE (Section 5.4.1)
 - Has the Offeror successfully delivered on past projects of similar scope and complexity?
- ORGANIZATION AND KEY PERSONNEL (Section 5.4.2)
 - Does the proposed project organization present a clear and logical framework?
 - Does the management approach reflect an integrated team, responsive to the RFQ requirements?
 - Does it demonstrate a high level of commitment and resource availability?
 - Does it address the full expanse of potential tasks in the scope?
- KEY PERSONNEL AND ROLES (Section 5.4.2.1)
 - Are the personal qualifications and professional skills of the project manager, senior professionals and Key Personnel nominees appropriate for the roles assigned?
 - Is their past experience applicable and indicative of success on this project?
 - Does the project manager have sufficient authority within their organization to effectively lead and manage the project?
- UNDERSTANDING OF PROJECT REQUIREMENTS (Section 5.4.3)
 - Has the Offeror demonstrated a thorough knowledge of the project?
 - Is there sufficient evidence of analysis to lend credibility to the commitments made?

- Has the Offeror given clear evidence through narratives and examples of prior work that it has the capability to carry out the Geotechnical Site Investigation services for a project of this complexity and magnitude with innovation and autonomy?
- SMALL BUSINESS PARTICIPATION (Section 5.4.4)
 - Does the approach to Small Business utilization demonstrate the Offeror's responsiveness in meeting the Authority's Small Business goal objectives?

Based on the evaluation and analysis of the SOQs relative to these stated criteria, which comprised 60% of the final score, the five Offeror teams were scored as follows: (1) Amec Foster Wheeler - 49.80; (2) ARUP - 51.06; (3) ENGEO Mott McDonald - 54.54; (4) Kleinfelder, Inc. - 56.28; and (5) Shannon & Wilson, Inc. - 56.04.

In accordance with the Authority's Board policy for Contract Award Procedures for Request for Qualifications approved March 2, 2007 (RFQ Board Policy), three of the five Offeror teams were then invited to participate in oral discussions on July 28, 2016, in order to further the evaluation process and serve as the basis for ranking the Offerors. The teams participating in the discussions were the three highest scoring teams: (1) ENGEO Mott McDonald; (2) Kleinfelder, Inc.; and (3) Shannon & Wilson, Inc.

The oral discussions comprised 40% of the final score, and consisted primarily of a presentation by each Offeror team followed by asking the same questions to each team and evaluating their answers. Each Offeror team was scored against the criteria provided in the RFQ, which included:

- PRESENTATION
 - Quality and appropriateness of the presentation
 - Logic of the chosen speakers relative to project challenges
 - Project Manager control over the team
- PROJECT MANAGER PARTICIPATION
 - Clear and responsive answers to questions
 - Understanding of Geotechnical Site Investigation services challenges and requirements
 - Perceived level of involvement with SOQ structure, content and presentation plan
- KEY STAFF PARTICIPATION
 - Clear and responsive answers to questions
 - Understanding of assignment challenges and requirements
 - Perceived level of involvement with SOQs preparation
 - Demonstration of an integrated team displaying awareness and understanding of the project.
- UNDERSTANDING OF PROJECT
 - Does Offeror convey an understanding of the critical project success factors?
 - Is the Offeror able to provide evidence of successful small business utilization for this project?
 - Is the Offeror able to provide evidence of prior project experience, including lessons learned or challenges, with projects of this magnitude and complexity?

After the evaluation process was completed, the final score and rankings of the three teams were as follows:

OFFERORS	SOQ Score (max 60 points)	Discussion Score (max 40 points)	Final Score (max 100 points)	Rank
Kleinfelder, Inc.	56.28	38.4	94.68	1
ENGEO Mott McDonald	54.54	37.6	92.14	2
Shannon & Wilson, Inc.	56.04	33.2	89.24	3

The Notice of Proposed Award (Notice) was posted on Friday, July 29, 2016 and Offerors have five business days after the Notice was posted to file a protest. No protests have been submitted.

Negotiation Process and Contract

As outlined in the RFQ, Notice was provided to all Offeror teams of the final scoring and ranking and negotiations have subsequently commenced with Kleinfelder, Inc. as the top-ranked Offeror. Should staff receive Authority Board approval, and in accordance with the RFQ Board Policy, once all the terms and conditions are accepted by the Offeror and reviewed by legal counsel and the Chief Executive Officer (CEO), the Authority will enter into a contract with Kleinfelder, Inc.

Small Business

The contract issued for Geotechnical Site Investigation services will include the Authority Board-adopted 30 percent Small and Disadvantaged Business (SB) participation goal. In its SOQ, Kleinfelder, Inc. stated that it has established processes and procedures to maximize small business participation and is committed to meet the Authority's SB goal of 30%. The company also stated that over the past five years, Kleinfelder, Inc. has committed 78% of total subcontracted dollars to SB concerns totaling \$20 million.

The SBs identified in Kleinfelder, Inc.'s SOQ were as follows: All Well Abandonment (SB), Bedrock Engineering, Inc. (SB), Cadre Design Group, Inc. (DBE), Cal Engineering And Geology, Inc. (SB), California Push Technologies, Inc. (SB), Chaudhary & Associates, Inc. (SB/DBE), Construction Area Signs, Inc. (SB/DBE), Cooper Testing Labs (SB), Dillard Environmental Services (SB/DBE), Geotech Utility Locating, LLC (SB), GEOVision, Inc. (SB), Kellie Avila Construction Services, Inc. (SB/DBE), Middle Earth Geo Testing, Inc. (SB), Moore Twining Associates (DVBE), Taber Drilling (SB), TECHNICON Engineering Services, Inc. (SB), Torrent Laboratory (SB/DBE), and Woodward Drilling Company (SB/DBE).

About Kleinfelder, Inc.

The company founded by Jim Kleinfelder in the 1960s and has grown and evolved into an international firm with vast experience in numerous areas. Kleinfelder, Inc. has proven Geotechnical and Geologic Engineering experience, including Earthquake and Seismic Design, Engineering Geology, Foundation Design, Geotechnical Engineering, Retaining Walls, Rock

Engineering, Trenchless Technology and Tunnel Engineering. The firm's diverse staff includes civil, materials, and earthquake engineers, as well as engineering geologists, geophysicists, and earth and computer scientists. Kleinfelder, Inc. has experience on projects involving light and passenger rail, which makes them highly qualified for this work.

Based upon the results of the RFQ evaluation criteria, Authority staff and CEO recommend that the Board approve awarding the Geotechnical Site Investigation services to Kleinfelder, Inc.

Legal Approval

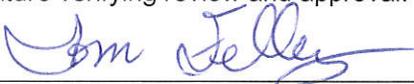
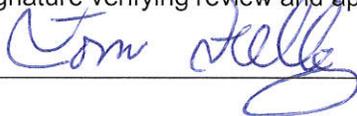
The Authority's Chief Counsel has reviewed and approved the requested contract and affirms the Authority's ability to enter this contract under California Public Utilities Code section 185036, Government Code section 4525, et seq., and the Authority's A&E regulations and policies.

Budget Implications

As provided in the June 14, 2016 Board briefing, the funds associated with the RFQ and resulting contract include state and federal funds and are provided for in the project budget as a component of the Project Development tasks for the Silicon Valley to Central Valley Line. This request is consistent with the cost projections contained in the Authority's 2016 Business Plan.

Recommendations

It is recommended that the Authority Board adopt a Resolution approving the award of the Contract for Geotechnical Site Investigation Services in the Silicon Valley to Central Valley Line for a term of three years and a not-to-exceed contract amount of \$28,000,000 to Kleinfelder, Inc.

APPROVED BY	
Reviewer Name and Title: Russell Fong, CFO	Signature verifying review and approval: 
Reviewer Name and Title: Tom Fellenz, Chief Counsel	Signature verifying review and approval: 
Reviewer Name and Title: Scott Jarvis, Chief Engineer	Signature verifying review and approval: 

for

Attachments

- Draft Resolution #HSRA 16-24
- Board Resolution #HSRA 16-17, approved on June 14, 2016