

**Bay Area Toll Authority
Oversight Committee**

May 11, 2022

Agenda Item 4c - 22-0662

**Contract – On- Call Asset Management Services: Benicia-Martinez and Carquinez Toll
Bridges Asset Management Support: HDR Engineering, Inc. (\$960,000)**

Subject:

A request for Committee approval to enter into a contract with HDR Engineering, Inc. in an amount not to exceed \$960,000 to provide asset management plans support services on the Benicia-Martinez and Carquinez bridges respectively.

Background:

On January 6, 2021, BATA issued a Request for Qualifications (RFQ) to select a panel of pre-qualified consulting firms to provide on-call asset management program support for the seven state-owned toll bridges (“Bridges”). In response to the RFQ, the Committee authorized a bench of six consultants to provide BATA with Asset Management Support.

On March 9, 2022, BATA issued an RFQ to the consultant bench of Asset Management Support for Benicia-Martinez and Carquinez Bridges. BATA seeks a team of subject matter experts to assist BATA and Caltrans staff with asset management. Efforts will include Life Cycle Cost Analysis, quantifying risks to inform BATA’s financial decision making, compiling a state of the bridges for Benicia-Martinez and Carquinez Bridges and specialty studies to estimate remaining life of the bridges. Studies include analysis of structural steel painting, mechanical and electrical maintenance strategies, and items of importance with long span bridges. BATA intends to issue subsequent RFQs for the other BATA bridges at a later time.

Procurement Process

In response to the RFQ, staff received Statements of Qualifications (SOQs) from three consulting firms on the bench. An evaluation panel consisting of BATA and Caltrans staff reviewed the SOQs and scored them based on weighted evaluation criteria including: the firm’s and key staff’s knowledge, expertise, and experience; approach to completing the project; resource availability of key staff and the team’s personnel; presentation, as evidenced in the written proposal; and interviews. The three firms in order, starting with the strongest, were HDR Engineering, Inc., WSP USA Inc., and Michael Baker International. Their scores were as follows:

Consultants	Overall Scoring
HDR Engineering, Inc.	89
WSP USA Inc.	84
Michael Baker International	78

After a thorough review of the SOQs and the interviews and while all three firms were qualified, HDR Engineering, Inc. was determined to be the most qualified firm, with a diverse team that brings in-depth practical experience and technical knowledge related to asset management and bridge analysis. Attachment A includes a summary of the selected firm and its project team’s small business and disadvantaged business enterprise status.

Recommendation:

Staff recommends that this Committee authorize the Executive Director or her designee to negotiate and enter a contract for toll bridge asset management services on the Benicia-Martinez and Carquinez bridges, in an amount not to exceed \$960,000, with HDR Engineering, Inc; or should the Executive Director or her designee fail to reach an agreement with this top ranked firm, then with WSP USA Inc.

Attachments:

- Attachment A: HDR Small Business and Disadvantaged Business Enterprise Status and Request for Committee Approval – Summary of Proposed Contract
- Attachment B WSP: Small Business and Disadvantaged Business Enterprise Status



Therese W. McMillan

Attachment A - HDR

Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE * Yes	If DBE Yes, List #	DBE No	SBE* * Yes	If SBE Yes, List #	SBE No
Prime Contractor	HDR Engineering, Inc.	Asset management support services			X			X
Subcontractor	Zoon Engineering	Mechanical, Electrical and Plumbing (MEP) assessment			X	X	58549	
Subcontractor	SEM, Inc	Heavy Electrical Infrastructure project management			X	X	1748098	
	Alta Vista Solutions	Materials engineering, inspection, and quality management			X			X
	Spy Pond Partners, LLC	asset management services in particular, to transportation agencies.			X			X
	Paul D. Thompson	Life cycle cost analysis			X			X

*Denotes certification by the California Unified Certification Program (CUCP).

**Denotes certification by the State of California.

Attachment B - WSP

Disadvantaged Business Enterprise and Small Business Enterprise Status

	Firm Name	Role on Project	DBE * Yes	If DBE Yes, List #	DBE No	SBE* * Yes	If SBE Yes, List #	SBE No
Prime Contractor	WSP USA, Inc.	Asset Management Support Services			X			X
Subcontractor	Bridge Diagnostic Inc.	Nondestructive testing			X			X
Subcontractor	Acumen	Program Management, Mechanical/ Electrical and Cost Estimation	X	26422				X
	KTA-Tator, Inc	Steel protective coatings			X			X
	Mott MacDonald	Asset management and Service Life Estimation			X			X
	Protection Engineering Consultants	Bridge Security			X			X
	Vector Corrosion Services	Corrosion and Cathodic Protection			X			X

Firm Name	Role on Project	DBE * Yes	If DBE Yes, List #	DBE No	SBE* * Yes	If SBE Yes, List #	SBE No
SEM Incorporated	Electrical Systems Evaluation			X	X	1748098	
Zoon Engineering	Mechanical/Electrical assessment			X	X	58549	
Kelly McNutt Consulting (KMC)	Constructability/Cost Estimation			X			X

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Request for Committee Approval

Summary of Proposed Contract

Work Item No.: 1251

Vendor: HDR Engineering, Inc. (San Francisco, CA); or WSP USA Inc. (San Francisco, CA)

Work Project Title: Asset Management Support for Benicia-Martinez and Carquinez bridges

Purpose of Project: To provide Asset Management Program Support for Benicia-Martinez and Carquinez bridges

Brief Scope of Work: Support asset management plans, perform specialty bridge studies, and advise on long span bridge asset management

Project Cost Not to Exceed: \$960,000

Funding Source: Toll Bridge Rehabilitation Program Funds

Fiscal Impact: Funds are included in the FY 2021-22 Toll Bridge Rehabilitation Program Budget

Motion by Committee: That the Executive Director or her designee is authorized to negotiate and enter into a contract with HDR Engineering, Inc., or with WSP USA Inc. should the Executive Director or his designee fail to enter into a contract with HDR Engineering Inc., to provide Asset Management Program Support for the Benicia-Martinez and Carquinez bridges as described above and in the BATA Oversight Committee Summary Sheet dated May 11, 2022, and that the Chief Financial Officer is directed to set aside \$960,000 for such contract.

BATA Oversight Committee:

Amy Rein Worth, Chair

Approval Date: Date: May 11, 2022