



Joseph P. Bort MetroCenter
101 Eighth Street
Oakland, CA 94607-4700
TEL 510.817.5700
TDD/TTY 510.817.5769
FAX 510.817.7848
E-MAIL info@mtc.ca.gov
WEB www.mtc.ca.gov

Memorandum

TO: BATA Oversight Committee

DATE: April 3, 2019

FR: Executive Director

W. I. 1251

RE: Toll Bridge Metering Light Projects:

- i. Contract Amendment – San Francisco-Oakland Bay Bridge: Ghiradelli Associates, Inc. (\$150,000)
- ii. Contract – San Francisco-Oakland Bay Bridge: WSP, Inc. (\$350,000)
- iii. Contract – Dumbarton and San Mateo-Hayward Bridges: Kimley-Horn and Associates, Inc. (\$750,000)

This item would authorize the Executive Director or designee to negotiate and enter into a contract amendment with Ghiradelli Associates, Inc. (Ghiradelli) (\$150,000) and a contract with WSP, Inc. (WSP) (\$350,000) to support the San Francisco-Oakland Bay Bridge (SFOBB) Metering Lights Project, and a contract with Kimley-Horn and Associates, Inc. (Kimley-Horn) (\$750,000) to support the Dumbarton and San Mateo-Hayward Bridge Metering Lights Project.

Background

BATA and California Department of Transportation (Caltrans) District 4 are working jointly to upgrade the metering lights at the SFOBB and to activate existing metering lights at the Dumbarton and San Mateo-Hayward bridges. The projects will modernize both system hardware and software metering components and provide several redundant layers to increase system reliability and performance during periods of congestion on the bridges, and improve person throughput by providing more reliable and faster travel times for buses, vanpools and carpools. In addition to being a traffic management tool, the new Metering Lights system will have the functionality to hold back traffic lanes, thus, allowing CHP and Caltrans to respond to incidents.

San Francisco-Oakland Bay Bridge Metering Lights

The SFOBB toll plaza is the convergence of 20 traffic lanes coming from Interstates 80, 580 and 880. The existing metering system was developed in 1974 by Caltrans to smooth the transition of the 20 approach lanes to the five lanes on the bridge. The system uses embedded loop detectors and off-pavement sensors to measure traffic flow and determine signal timing and last received minor improvements in 1980. BATA initiated and is delivering the project utilizing a number of consultants and contracts. The civil construction contract is scheduled to be advertised this spring. Construction is expected to be completed by the end of the year to be followed by testing of the new system in parallel with the old system to help ensure a smooth transition and activation in 2020. Staff is requesting two consultant support contracts for this project, as follows:

i. Contract Amendment – San Francisco-Oakland Bay Bridge: Ghiradelli (\$150,000)

Staff is requesting that the Committee authorize a contract amendment with Ghirardelli in an amount not to exceed \$150,000 for additional project controls, monitoring, and scheduling analysis services. Ghiradelli was originally selected as part of a competitively selective consultant bench to provide on-call construction management services in December 2013. Ghiradelli provided project scheduling support to coordinate

project delivery. BATA will require continuing project controls and scheduling support through the construction and testing phase of the project. Budgeted toll bridge rehabilitation funds will be utilized for the work.

ii. Contract – San Francisco-Oakland Bay Bridge: WSP (\$350,000)

Staff is requesting that the Committee authorize a contract with WSP in an amount not to exceed \$350,000 to provide construction management and resident engineering services. WSP was originally selected as part of a competitively selective consultant bench to provide on-call construction management services in December 2017. WSP will support BATA during construction of the civil package of the metering lights project, including new cabinets, connections, and improved detection and signals. Budgeted toll bridge rehabilitation funds will be utilized for the work.

Dumbarton and San Mateo-Hayward Bridges Metering Lights

The Dumbarton and San Mateo-Hayward bridges have existing metering light systems that were installed during prior bridge and toll plaza construction but never activated. BATA's objective, in conjunction with Caltrans, is to activate the metering lights with modern in-lane equipment and systems and use them as a traffic and incident management tool. The goal for the project is to have the metering lights ready for activation by early 2020 to coincide with opening of the new express lanes on I-880 and Dumbarton Forward projects.

Staff is requesting that the Committee authorize a contract with Kimley-Horn in an amount not to exceed \$750,000 to provide design services to activate the metering lights on the Dumbarton and San Mateo-Hayward bridges. Kimley-Horn was originally selected as part of competitively selective consultant bench to provide on-call design services in December 2017. Under a separate contract, Kimley-Horn is providing design support on the SFOBB metering light projects. Staff recommends Kimley-Horn to provide the same services for the Dumbarton and San Mateo-Hayward bridges, including the Concept of Operations, System Engineering Management Plans and System Requirements, and environmental documentation to satisfy NEPA/CEQA requirements. Budgeted toll bridge rehabilitation funds will be utilized for the work. Additional system integration and construction contracts will be needed in the future with other contractors to complete buildout of the Project.

Attachment A includes a summary of each firm's project team's small business and disadvantaged business enterprise status.

Recommendation

Staff recommends that the Committee authorize the Executive Director or designee to negotiate and enter into a contract amendment with Ghiradelli in an amount not to exceed \$150,000, a contract with WSP, Inc. in an amount not to exceed \$350,000 and a contract with Kimley-Horn and Associates, Inc. in an amount not to exceed \$750,000 for project support services for the toll bridge metering light projects.



Therese W. McMillan

SH: sb

Attachments

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**Attachment A - Small Business and Disadvantaged Business Enterprise Status
Ghiradelli Associates, Inc.**

	Firm Name	Role on Project	DBE* Firm			SBE** Firm		
			Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	Ghirardelli Associates, Inc.		Yes	12487		Yes	32611	
Subcontractor	Acumen Building Enterprise, Inc.		Yes	26422		Yes	19078	
Subcontractor	Chaudhary & Associates, Inc.		Yes	3110		Yes	14927	
Subcontractor	Dabri, Inc.		Yes	32110		Yes	2014093	
Subcontractor	EPC Consultants, Inc.				No	Yes	20799	
Subcontractor	Gates + Associates				No	Yes	26893	
Subcontractor	HDR Corporation - Construction				No			No
Subcontractor	Inspection Services, Inc.		Yes	32109		Yes	9586	
Subcontractor	S&C Engineers, Inc.				No			No
Subcontractor	Towill, Inc				No			No

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

**Denotes certification by the State of California.

**Attachment A - Small Business and Disadvantaged Business Enterprise Status
WSP, Inc.**

	Firm Name	Role on Project	DBE* Firm			SBE** Firm		
			Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	WSP, Inc.				X			X
Subcontractor	Applied Materials & Engineering		X	38639				X
Subcontractor	Parikh Consultants		X	20259				X
Subcontractor	Transamerican Engineers & Associates, Inc.		X	39472				X
Subcontractor	Gray-Bowen-Scott				X	X	17562	
Subcontractor	Circlepoint				X	X	40528	
Subcontractor	Garcia & Associates, Inc.				X			X
Subcontractor	Kleinfelder, Inc.				X			X
*Denotes certification by the California Unified Certification Program (CUCP).								
**Denotes certification by the State of California.								

**Attachment A - Small Business and Disadvantaged Business Enterprise Status
Kimley-Horn Associates, Inc.**

	Firm Name	Role on Project	DBE* Firm			SBE** Firm		
			Yes	If Yes, List #	No	Yes	If Yes, List #	No
Prime Contractor	Kimley-Horn and Associates, Inc.	Installation/Maintenance of Tolling System			X			X
Subcontractor	WSP	Design Services			X			X
Subcontractor	HDR	Materials Inspection			X			X
Subcontractor	Baseline Environmental Consulting	Natural and Cultural Resources Studies				X	1732669	
	Garcia and Associates	Environmental Technical studies			X			X
*Denotes certification by the California Unified Certification Program (CUCP).								
**Denotes certification by the State of California.								

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract Amendment

Work Item No.: 1251

Vendor: Ghirardelli Associates, Inc.
Oakland, CA

Work Project Title: On-Call Project Construction Management Services:
SFOBB Metering Lights System Upgrade Project

Purpose of Project: To provide staffing to perform project management and
project controls services for the SFOBB Metering Lights
System Upgrade project.

Brief Scope of Work: Provide additional project management and project
controls services for the SFOBB Metering Lights System
Upgrade project.

Project Cost Not to Exceed: This Amendment: \$150,000
Total contract amount prior to this amendment: \$200,000
Maximum contract amount after this amendment: \$350,000

Funding Source: Toll Bridge Rehabilitation Program Budget

Fiscal Impact: Funds are included in the FY 2018-19 Toll Bridge
Rehabilitation Program Budget

Motion by Committee: That the Executive Director or designee is authorized to
negotiate and enter into a contract amendment with
Ghirardelli Associates, Inc. to perform project
management and project controls and construction
support services for SFOBB Metering Lights System
Upgrade project as described above and in the Executive
Director's memorandum dated April 3, 2019, and the
Chief Financial Officer is directed to set aside funds in
the amount of \$150,000 for such contract amendment.

BATA Oversight
Committee:

Amy Worth, Chair

Approved: Date: April 10, 2019

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract

Work Item No.: 1251

Vendor: WSP, Inc.
Antioch, CA

Work Project Title: On-Call Project Construction Management Services:
SFOBB Metering Lights System Upgrade Project

Purpose of Project: To provide staffing to perform construction management services for the SFOBB Metering Lights System Upgrade project.

Brief Scope of Work: Provide resident engineering services and construction oversight of the SFOBB Metering Lights System Upgrade project.

Project Cost Not to Exceed: \$350,000

Funding Source: Toll Bridge Rehabilitation Program Budget.

Fiscal Impact: Funds are included in the FY 2018-19 Toll Bridge Rehabilitation Program Budget

Motion by Committee: That the Executive Director or designee is authorized to negotiate and enter into a contract with WSP, Inc. to perform construction support services for the SFOBB Metering Lights System Upgrade project as described above and in the Executive Director's memorandum dated April 3, 2019, and the Chief Financial Officer is directed to set aside funds in the amount of \$350,000 for such contract.

BATA Oversight Committee:

Amy Worth, Chair

Approved: Date: April 10, 2019

REQUEST FOR COMMITTEE APPROVAL
Summary of Proposed Contract

Work Item No.:	1251
Vendor:	Kimley-Horn and Associates, Inc. Oakland, CA
Work Project Title:	Dumbarton and San Mateo-Hayward Metering Light Upgrade
Purpose of Project:	Design Services
Brief Scope of Work:	Upgrade the metering system at the Dumbarton Bridge and San Mateo-Hayward Bridge.
Project Cost Not to Exceed:	\$750,000
Funding Source:	Toll Bridge Rehabilitation Program Funds
Fiscal Impact:	Funds are included in the FY 2018-19 Toll Bridge Rehabilitation Program Budget
Motion by Committee:	That the Executive Director or designee is authorized to negotiate and enter into a contract with Kimley-Horn and Associates, Inc. to provide design services as described above and in the Executive Director's memorandum dated April 3, 2019, and the Chief Financial Officer is authorized to set aside funds in the amount of \$750,000 for such contract.
BATA Oversight Committee:	
	<hr/> Amy Worth, Chair
Approved:	April 10, 2019