



Agenda Item No. (5)

To: Building and Operating Committee/Committee of the Whole
Meeting of May 28, 2020

From: John R. Eberle, Deputy District Engineer
Ewa Z. Bauer-Furbush, District Engineer
Denis J. Mulligan, General Manager

Subject: **APPROVE ACTIONS RELATIVE TO PROFESSIONAL SERVICES
AGREEMENT NO. 2017-B-15, GOLDEN GATE BRIDGE TOLL GANTRY
DESIGN SERVICES, WITH AECOM**

Recommendation

The Building and Operating Committee recommends that the Board of Directors approve the following actions relative to the Professional Services Agreement No. 2017-B-15, *Golden Gate Bridge Toll Gantry Design Services*:

1. Authorize execution of the Third Amendment to Professional Services Agreement (PSA) No. 2017-B-15, *Golden Gate Bridge Toll Gantry Design Services*, with AECOM, Oakland, CA, in an amount not to exceed \$149,793.11, for additional design services, for the total PSA amount of 1,229,680.04; and,
2. Establish a 10% contingency for the amendment in the amount of \$15,000;

with the understanding that sufficient funds to finance the Third Amendment to the PSA and its contingency are available in the budget for the Toll Plaza Gantry Project (Project #1820).

This matter will be presented to the Board of Directors at its May 29, 2020, meeting for appropriate action.

Summary

The technology of the existing toll collection system, which was installed on the toll booths in 2005, is out of date and has reached the end of its useful life. The Golden Gate Bridge, Highway and Transportation District (District) determined that the existing system must be replaced and made a decision to move forward with replacing the existing toll collection system with a new system.

On March 24, 2017, the Board of Directors authorized the award of a contract with Kapsch TrafficCom IVHS, Inc. (Kapsch), to provide software and hardware for the new toll collection system, to commission and initiate operations of the system, and to provide an initial five years of

maintenance, operations and repair services for the system. The limited vertical clearance and configuration of the existing toll booths structure cannot support the new toll collection technology, so a new support structure is required. The new structure must support the required configuration of new toll collection system electronic equipment, which will include cameras, motion sensors, antennas, lights and conduits. The structure must also meet the minimum highway roadway vertical clearance standards.

At its July 27, 2017, meeting, the Board of Directors, by Resolution No. 2017-067, authorized an award of Professional Service Agreement (PSA) No. 2017-B-15, Golden Gate Bridge Toll Plaza Gantry Design Services, to AECOM in an amount not to exceed \$1,039,086 and approved a contingency for the PSA in the amount of \$155,863. The scope of the services includes: (1) geotechnical investigations for the new toll gantry foundations and for the replacement of portions of the roadway structural section; (2) development of conceptual architectural and structural designs of different toll gantry structures; (3) development of detail design for the selected toll gantry, including design of gantry foundations and structure, gantry traffic protection, toll equipment connections to the gantry, toll equipment roadway pads, power and data conduits and conductors, and their connections to the gantry, gantry lighting, gantry access and maintenance platform, roadway traffic detection loops, roadway structural section and pavement reconstruction, roadway drainage modifications, and pavement delineation; and (4) preparation of construction bid documents, including plans, specifications, construction schedule and cost estimate.

The Notice to Proceed was issued August 21, 2017. On June 22, 2018, Amendment No. 1 in the amount of \$40,800.93, was issued, using a portion of the authorized PSA contingency, for additional costs associated with developing two additional architectural concepts, preparing three additional renderings and design drawings for each architectural concept, preparing materials and presentations and attending meetings with members of different architectural and other interested groups (the American Institute of Architects (AIA), SF Beautiful, and SF Heritage).

The consultant has advanced the final design to its 95% completion. While developing the design it was determined that additional work was required by AECOM to develop a toll equipment device positioning and lift system, including designing a prototype, that allowed flexibility in mounting the different devices and also allowed complete access from the gantry. In addition the consultant performed additional electrical design required for the interface between the equipment that would be provided by Kapsch and the District's electrical and communication systems, and additional coordination between the District, Kapsch and the consultant. This effort was beyond the original scope of services anticipated by AECOM and has depleted the design budget such that additional funds are necessary to finalize the design and construction documents.

Engineering staff requested, and AECOM has provided a cost proposal, in an amount of \$149,793.11, for the additional scope of design services. Engineering staff has reviewed the proposal and found it to be reasonable in terms of the consultant's budgeted labor hours to perform the additional scope of services requested by the District, and consistent with the AECOM audited labor and overhead billing rates.

The District's Disadvantaged Business Enterprise (DBE) Program Administrator has determined DBE participation for this Third Amendment is not anticipated.

Staff recommends that the Building and Operating Committee recommend that the Board of Directors authorize the execution of the Third Amendment to PSA No. 2017-B-15 with AECOM, in the not to exceed amount of \$149,793.11, to perform the additional design services as outlined in this report. The consultant will be compensated for actual time expended and expenses incurred. Staff also recommends that a contingency for this Amendment in the amount of \$15,000 be established for any additional scope of services that may develop which work progresses.

Fiscal Impact

The *Golden Gate Bridge Toll Gantry Design Services Project* (Project #1820) is included in the FY 2019/20 Bridge Division Capital Budget at a total cost of \$7,264,000. Amendment No. 1 to the PSA reduced the authorized PSA contingency from \$155,863 to \$115,062.07. It is proposed that the \$149,793.11 cost of Amendment No. 3 to PSA No. 2017-B-15 and its \$15,000 contingency, for the total amount of \$164,793.11, be financed with the remaining balance of the previously authorized PSA contingency and with the reallocation of \$49,731.04 from the Project #1820 General Project Expenditures budget.

The following is a history of PSA No. 2017-B-15.

TABLE 1a: PSA No. 2018-B-15

	DATE APPROVED	AMOUNT	SOURCE OF FUNDS
PSA No. 2018-B-15	07/27/2017	\$1,039,086.00	100 % District
1 st Amendment		\$40,800.93	100 % District
2 nd Amendment		\$0.00	
3 rd Amendment	Proposed in this report	<i>\$149,793.11</i>	100 % District
	PROPOSED TOTAL PSA AMOUNT	<i>\$1,229,680.04</i>	100 % District

The tables below provide a summary of the Project #1820 budget.

Budget Summary

<u>BUDGET ITEM</u>	<u>ORIGINAL BUDGET</u>	<u>REVISION</u>	<u>PROPOSED BUDGET</u>
District Staff Burdened Labor Costs – Design and Construction	\$848,000		\$848,000
Indirect Costs (ICAP) on District Staff Burdened Labor - Estimated	\$636,000		\$636,000
General Project Expenditures	\$50,051	(\$49,731.04)	\$319.96
Design Consultant: Original PSA Amendment No. 1 Amendment No. 2 <i>Amendment No. 3 (proposed)</i> <i>Total Proposed PSA</i>	\$1,039,086	\$40,800.93 \$0.00 \$149,793.11	 <i>\$1,229,680.04</i>
Design Consultant PSA Contingency <i>Amendment No. 1</i> <i>Amendment No. 3 (proposed)</i> <i>Proposed Revised Contingency</i>	\$155,863	(\$40,800.93) \$49,731.04 (\$149,793.11)	 <i>\$15,000.00</i>
Printing & Advertising	\$10,000		\$10,000
Permits	\$20,000		\$20,000
Prime Construction Contract	\$3,500,000		\$3,500,000
Prime Construction Contract Contingency	\$350,000		\$350,000
Construction Engineering	\$350,000		\$350,000
Construction Engineering Contingency	\$35,000		\$35,000
Materials Testing Services	\$20,000		\$20,000
CHP Services	\$250,000		\$250,000
TOTAL BUDGET	\$7,264,000	\$0.00	\$7,264,000