



Agenda Item No. 4

To: Building and Operating Committee/Committee of the Whole
Meeting of August 21, 2025

From: John R. Eberle, 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 Professional Services Agreement (PSA) No. 2017-B-15, *Golden Gate Bridge Toll Gantry Design Services*:

1. Authorize execution of the Tenth Amendment to PSA No. 2017-B-15, *Golden Gate Bridge Toll Gantry Design Services*, with AECOM, Oakland, CA, in an amount not-to-exceed \$782,652.99, for additional design services, for the total PSA amount of \$2,303,361.64; and,
2. Establish a 10% contingency for the amendment in the amount of \$78,265;

with the understanding that sufficient funds are available in the Fiscal Year 2025/2026 Bridge Division Capital Budget for Project #1820, *Toll Plaza Gantry-Construction*, to finance these actions.

This matter will be presented to the Board of Directors at its August 22, 2025, meeting for appropriate action.

Summary

The Golden Gate Bridge, Highway and Transportation District (District) has been collecting tolls using an all-electronic tolling (AET) system since March 27, 2013. The existing AET equipment is outdated and is not able to efficiently process tolling information and comply with California tolling state standards and technological improvements.

In March 2017, the Board of Directors authorized the award of a contract with an AET system developer to provide software and hardware for a toll collection system mounted on a new toll gantry, to commission and initiate operations of the system, and to prepare a toll equipment installation plan for inclusion into the new toll gantry construction documents. The limited vertical

clearance and configuration of the existing toll booths structure cannot support the new toll collection technology, so a new support structure, referred to as the toll gantry, is required. The toll gantry must support the required configuration of the AET equipment, which will include cameras, motion sensors, antennas, lights, and conduits with electrical and communication wiring. The toll gantry must also meet the minimum highway roadway vertical clearance standards.

In July 2017, by Resolution No. 2017-067, the Board of Directors authorized award of PSA No. 2017-B-15, *Golden Gate Bridge Toll Plaza Gantry Design Services*, to AECOM, of Oakland, CA, to design the new toll gantry. The scope of services consisted of, in general, the following:

- Performing geotechnical investigations for the new toll gantry foundations and for the possible replacement of portions of the roadway structural section;
- Development of conceptual architectural and structural designs of different toll gantry structures;
- Development of the detailed 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, potential roadway traffic detection loop systems, roadway structural section and pavement reconstruction, roadway drainage modifications, and pavement delineation; and,
- Preparation of construction bid documents, including plans, specifications, construction schedule, and cost estimate.

In April 2018, the Board of Directors approved the architectural design concept for the Golden Gate Bridge Toll Gantry Project, which allowed the final design of the toll gantry to proceed.

As the design of the gantry was progressing, the AET system developer requested that the gantry design accommodate additional requirements related to the installation of their equipment, which was beyond AECOM's original scope of services. On May 29, 2020, by Resolution No. 2020-029, the Board of Directors authorized execution of the Third Amendment to PSA No. 2017-B-15 with AECOM to perform the additional design services.

In February 2021, when the gantry design was approximately 95% complete, the AET system developer informed the District that their previous AET system design did not provide full traffic coverage and required placement of additional devices on the gantry. This change required further modifications to the toll gantry design services, including developing revised equipment mounting configuration layout, revised gantry framing details, and additional electrical and communication wiring details to accommodate the additional equipment. These modifications were beyond AECOM's scope of services, and on April 28, 2023, by Resolution No. 2023-030, the Board of Directors authorized execution of the Seventh Amendment to PSA No. 2017-B-15 with AECOM to perform the additional services.

In 2022, the District terminated its contract with its AET system developer and determined that it would contract with a new AET system developer. Engineering and Tolls and Revenue staff determined that the toll gantry should be modified again to eliminate the specific toll equipment mounting and wiring requirements from the previous AET system developer and instead provide a more generic AET equipment mounting design onto which the new AET system developer may

attach their system equipment. Staff also determined that the overall length of the gantry could be reduced from approximately 134-feet long to approximately 110-feet long and still accommodate the anticipated traffic volumes. The modifications include:

- Reducing the gantry length from approximately 134-feet to approximately 110-feet;
- Revising the civil and structural plans to address the revised gantry length and removal of the previous AET system equipment mounts;
- Revising the electrical plans to address the removal of the previous AET system equipment;
- Modifying the pavement delineation to address the reduced gantry opening;
- Modifying the southbound Toll Plaza bus stop area to provide additional width;
- Preparing a Transportation Management Plan addressing lane configurations and traffic control during construction; and,
- Finalizing and providing a complete Final Plans, Specifications and Estimate (PS&E) package.

AECOM has completed the draft 100% toll gantry design details, and the modifications noted above will require additional services beyond the current scope of services and remaining budget. Engineering staff requested, and AECOM provided, a cost proposal for the additional scope of design services associated with the modifications to the toll gantry design. After performing an analysis of and reviewing the cost proposal, staff negotiated a total not-to-exceed amount of \$782,652.99 for the services. Engineering staff determined that this not-to-exceed amount is fair and reasonable based on AECOM's budgeted labor hours to perform the additional scope of services requested by the District and consistent with AECOM's audited labor and overhead billing rates.

AECOM will self-perform most of the scope of services associated with this Amendment. The District's Manager, SBE Compliance Programs has determined that 7.12% Disadvantaged Business Enterprise (DBE) participation is associated with the work under the Tenth Amendment.

Staff recommends that the Building and Operating Committee recommend that the Board of Directors authorize execution of the Tenth Amendment to PSA No. 2017-B-15, *Golden Gate Bridge Toll Gantry Design Services*, with AECOM, in the not-to-exceed amount of \$782,652.99, to compensate AECOM to perform the design services associated with the modifications to the gantry design as outlined in this report. AECOM will be compensated for actual time expended and expenses incurred, plus a fixed fee within the authorized not-to-exceed amount. Staff also recommends that a contingency for this Amendment in the amount of \$78,265 be established for any additional scope of services that may develop as work progresses.

Fiscal Impact

Project #1820, *Golden Gate Bridge Toll Plaza Gantry-Construction*, is included in the FY 2025/2026 Bridge Division Capital Budget in the amount of \$10,264,000 and is 100% District funded. There are sufficient funds in the Project #1820 budget to finance the proposed \$782,652.99 cost of the Tenth Amendment to PSA No. 2017-B-15, and the \$78,265 Amendment contingency, for a total amount of \$860,917.99, by reallocating this amount from the Prime Construction Contract budget. See Table 1 for the proposed Project #1820 Budget. See Table 2 for the history of PSA No. 2017-B-15.

Table 1: Project Budget - #1820, Toll Plaza Gantry - Construction

DESCRIPTION	CURRENT PROJECT BUDGET	PROPOSED ADJUSTEMENT	TOTAL PROPOSED PROJECT BUDGET
District Staff Burdened Labor Costs – Design and Construction	\$848,000		\$848,000
Indirect Costs (ICAP) on District Staff Burdened Labor - Estimated	\$536,000		\$536,000
General Project Expenditures	\$44,487.79		\$44,487.79
PS&E Contract (AECOM)	\$1,039,086	\$782,652.99	\$1,821,738.99
PS&E Contract Contingency	\$511,426.21	\$78,265	\$589,691.21
Printing & Advertising	\$10,000		\$10,000
Permits and Fees	\$20,000		\$20,000
Prime Construction Contract	\$6,000,000	(860,917.99)	\$5,139,082.01
Prime Construction Contract Contingency	\$600,000		\$600,000
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	\$10,264,000	\$0.00	\$10,264,000

Table 2: PSA No. 2017-B-15

ACTION	AMOUNT
Award PSA No. 2017-B-015, Golden Gate Bridge Toll Gantry Design Services Project Resolution No. 2017-067	\$1,038,452.44
First Amendment – additional design services	\$40,800.93 (from contingency)
Second Amendment – time only	\$0
Third Amendment – additional design services Resolution No. 2020-029	\$149,793.11
Fourth Amendment – time only	\$0
Fifth Amendment – time only	\$0
Sixth Amendment – time only	\$0
Seventh Amendment – additional design services Resolution No. 2023-030	\$291,662.17
Eighth Amendment – time only	\$0
Ninth Amendment – time only	\$0
Proposed Tenth Amendment, additional design services	\$782,652.99
PROPOSED TOTAL PSA AMOUNT	\$2,303,361.64