



Agenda Item No. (6)

To: Building and Operating Committee/Committee of the Whole
Meeting of December 15, 2016

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, PSA NO. 2011-B-2, DESIGN SERVICES FOR THE GOLDEN GATE BRIDGE PHYSICAL SUICIDE DETERRENT SYSTEM, WITH HNTB CORPORATION**

Recommendation

The Building and Operating Committee recommends that the Board of Directors approve actions relative to Professional Services Agreement (PSA) No. 2011-B-2, *Design Services for the Golden Gate Bridge Physical Suicide Deterrent System*, with HNTB Corporation, as follows:

1. Authorize the General Manager to execute the Twelfth Amendment to PSA No. 2011-B-2, in an amount not to exceed \$6,000,000, for engineering support services during construction of the Golden Gate Bridge Physical Suicide Deterrent System Project (Project #1526), subject to the Golden Gate Bridge, Highway and Transportation District receiving approval from the Federal Highway Administration and the California Department of Transportation; and,
2. Authorize a contingency fund, in the amount of \$600,000, for this amendment.

These actions are conditioned upon award of construction Contract 2016-B-1, *Golden Gate Bridge Physical Suicide Deterrent System and Wind Retrofit* and approval of the revised FY 16/17 Bridge Division Capital Budget for the Golden Gate Bridge Physical Suicide Deterrent System Project to provide sufficient funds to finance this cost.

This matter will be presented to the Board of Directors for an appropriate action at the December 16, 2016, meeting.

Summary

By Resolution No. 2011-059, the Board of Directors authorized execution of a Professional

Services Agreement (PSA), PSA No. 2011-B-2, with HNTB Engineering, Inc., to design and prepare construction bid documents for the *Golden Gate Bridge Physical Suicide Deterrent System Project*.

Consistent with established engineering practice, and as referenced in the PSA with HNTB Corporation, the administration and management of the Physical Suicide Deterrent Project construction will require that the design consultant provide engineering support services during construction of the Project. Such services will consist of: (1) reviewing and recommending approval of Contractor's technical submittals, working drawings, and requests for substitutions; (2) preparing written responses to Contractor's requests for information regarding the design; (3) providing recommendations for the resolution of different site condition issues during construction; (4) attending mock-up installation of the suicide deterrent net system and shop and field testing of the new Suspension Bridge access travelers and, if necessary, (5) preparing plans and specifications for construction contract change orders covering changes to the structural and other construction details. HNTB, as the consultant responsible for the design, is uniquely qualified and capable to perform the design engineering support services during construction.

Engineering staff has negotiated with HNTB Corporation a not-to-exceed price of \$6,000,000 to be paid for these services. Staff has determined that this not to-exceed price is reasonable based on the scope of work and cost data for engineering support services provided by consultants for other similar Golden Gate Bridge, Highway and Transportation District (District) projects. The consultant will be compensated for actual time expended and expenses incurred plus a fixed fee, up to the authorized not to exceed amount. Staff recommends that the Board authorize the General Manager to execute the Twelfth Amendment to PSA No. 2011-B-2 as presented in this report, conditioned upon, the award of the construction contract for the Physical Suicide Deterrent Project.

Staff also recommends that the Board authorize a contingency for this PSA amendment in the amount of \$600,000 to provide a budget for any additional or changed scope that may develop while work progresses.

Fiscal Impact

At today's meeting, in a separate report to the Building and Operating Committee, staff presents a recommendation for the increase in the FY 16/17 Bridge Division Capital Budget for the Physical Suicide Deterrent System Project, which includes sufficient funds to finance the \$6,000,000 PSA amendment amount and the \$600,000 amendment contingency amount as recommended in this report.

The history of PSA No. 2011-B-2 is as follows:

ACTION	AMOUNT	FINANCING SOURCE
Award PSA No. 2011-B-2, Physical Suicide Deterrent System; Resolution No. 2011-059	\$3,990,000	100% District (part of the Physical Suicide Deterrent System design budget)
First Amendment, no cost time extension	0	
Second Amendment, Resolution No. 2013-098; design of electrical power system for battery charging stations for the maintenance travelers	127,257	100% District (part of the Physical Suicide Deterrent System design budget)
Third Amendment, no cost time extension	0	
Fourth Amendment- Coordination of Contract Bid Documents, Resolution No. 2014-042	72,743	100% District (part of the Physical Suicide Deterrent System design budget)
Fifth Amendment - Value Engineering Study, Resolution No. 2014-082	75,227	100% District (part of the Physical Suicide Deterrent System design budget)
Sixth Amendment- Design of Training Rescue Net, Resolution No. 2014-082	65,492	100% District (part of the Physical Suicide Deterrent System design budget)
Seventh Amendment- no cost time extension	0	
Eighth Amendment- no cost time extension	0	
Ninth Amendment – Construction support services during advertisement for bids, Resolution No. 2015-070	322,882	100% District (part of the Physical Suicide Deterrent System design budget)
Tenth Amendment- no cost time extension	0	
Eleventh Amendment- no cost time extension	0	
Proposed Twelfth Amendment, engineering support services during the Suicide Deterrent Project construction	6,000,000	65% Federal/4% State/ 31% District (part of the Physical Suicide Deterrent System design budget)
PROPOSED TOTAL PSA AMOUNT	\$10,653,601	