



Agenda Item No. (4)

To: Building and Operating Committee/Committee of the Whole Meeting of February 23, 2023

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. 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 the following actions relative to Professional Services Agreement (PSA) No. 2011-B-2, *Golden Gate Bridge Physical Suicide Deterrent System*, with HNTB Corporation, as follows:

1. Contingent upon the award of construction Contract No. 2022-B-084 for the Suicide Deterrent System Rescue Net, authorize execution of the First Addendum to the Sixth Amendment to PSA No. 2011-B-2, in an amount not-to-exceed \$66,000, for engineering support services during construction of the rescue net; and,
2. Establish a 10% contingency for the First Addendum to the sixth Amendment to PSA No. 2011-B-2 in the amount of \$6,600.

These actions are conditioned upon award of construction Contract No. 2022-B-084, *Suicide Deterrent System Rescue Net*, and approval of the revised FY 22/23 Bridge Division Capital Budget for Project #2321, *Suicide Deterrent System Rescue Training Net*, (presented in a separate staff report) to provide sufficient funds to finance these costs.

This matter will be presented to the Board of Directors at its February 24, 2023, meeting for appropriate action.

### **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 Corporation, to design and prepare construction bid documents for the *Golden Gate Bridge Physical Suicide Deterrent System Project*. By Resolution No. 2014-082, the Board of Directors authorized execution of the Sixth Amendment to

PSA No. 2011-B-2 with HNTB Corporation to design the rescue training net to be installed on the training tower at the Southern Marin Fire Department facility in Mill Valley, California.

Consistent with established engineering practice, and as referenced in the PSA with HNTB Corporation, the administration and management of the Suicide Deterrent System Rescue Net 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; and (4) preparing plans and specifications for construction contract change orders, if necessary, to cover changes to the structural and other construction details. HNTB Corporation, 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 \$66,000 for engineering support services during the construction period. Staff has determined that this not-to-exceed price is reasonable based on the scope of work, with historic costs for engineering support services provided by consultants to other similar projects, and that the costs are consistent with HNTB's cost for its design services. HNTB 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 Building and Operating Committee recommend that the Board of Directors authorize the execution of the First Addendum to the Sixth Amendment to PSA No. 2011-B-2 as presented in this report, conditioned upon the award of the construction Contract No. 2022-B-084 for the Suicide Deterrent System Rescue Net Project and approval of the budget increase for Project #2321 by the Board of Directors.

Staff also recommends that a contingency for this PSA addendum in the amount of \$6,600, or 10% of the addendum amount, be established to provide a budget for any additional or changed scope that may develop while work progresses. A 10% contingency is recommended due to the uncertainty involved with making modifications to an existing building structure.

### **Fiscal Impact**

Project #2321, *Suicide Deterrent System Rescue Training Net*, is included in the FY 2022/23 Bridge Division Capital Budget in the amount of \$824,000 and is 100% District funded.

At today's Building and Operating Committee meeting, in a separate report, staff presents a recommendation for an increase of \$101,169 in the FY 2022/23 Bridge Division Capital Budget for Project #2321, *Suicide Deterrent System Rescue Training Net*, for a total project budget of \$925,169, which includes sufficient funds to finance the First Addendum amount of \$66,000 and the \$6,600 addendum contingency amount as recommended in this report.

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

| <b>ACTION</b>  | <b>AMOUNT</b> | <b>FINANCING SOURCE</b>  |
|--|---------------|--|
| Award PSA No. 2011-B-2, Physical Suicide Deterrent System; Resolution No. 2011-059   | \$3,990,000   | 100% District<br>(part of the Physical Suicide Deterrent System design budget)                               |
| First Amendment, no cost time extension  | 0             |  |
| Second Amendment, design of electrical power system for battery charging stations for the maintenance travelers, Resolution No. 2013-098 | 127,257       | 100% District<br>(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<br>(part of the Physical Suicide Deterrent System design budget)                               |
| Fifth Amendment - Value Engineering Study, Resolution No. 2014-082   | 75,227        | 100% District<br>(part of the Physical Suicide Deterrent System design budget)                               |
| Sixth Amendment- Design of Training Rescue Net, Resolution No. 2014-082  | 65,492        | 100% District<br>(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<br>(part of the Physical Suicide Deterrent System design budget)                               |
| Tenth Amendment - no cost time extension   | 0             |  |
| Eleventh Amendment - no cost time extension  | 0             |  |
| Twelfth Amendment, engineering support services during the Suicide Deterrent Project construction, Resolution No. 2016-089               | 6,000,000     | 65% Federal/4% State/<br>31% District<br>(part of the Physical Suicide Deterrent System construction budget) |
| Thirteenth Amendment - no cost time extension  | 0             |  |
| First Addendum to the Twelfth Amendment, engineering support services during the Suicide Deterrent Project construction                  | 600,000       | 65% Federal/4% State/<br>31% District<br>(part of the Physical Suicide Deterrent System construction budget) |

|   |                            |               |
|---|----------------------------|---------------|
| <i>Proposed First Addendum to the Sixth Amendment, engineering support services during the Suicide Deterrent System Rescue Net Project construction</i> | <i>66,000</i>              | 100% District |
| <b><i>PROPOSED TOTAL PSA AMOUNT</i></b>   | <b><i>\$11,319,601</i></b> |               |