

**GOLDEN GATE BRIDGE, HIGHWAY AND TRANSPORTATION DISTRICT**

**RESOLUTION NO. 2013-088**

**APPROVE ACTIONS RELATIVE TO  
REQUEST FOR QUALIFICATIONS/REQUEST FOR PROPOSALS NO. 2013-B-8,  
GOLDEN GATE BRIDGE MAIN CABLE ACCESS SYSTEM DESIGN SERVICES**

September 20, 2013

**WHEREAS**, the Golden Gate Bridge, Highway and Transportation District (District) maintains the Golden Gate Suspension Bridge (GGSB), which is a three-span bridge with a 4,200-foot long center span and two 1,125-foot long side spans; and,

**WHEREAS**, the GGSB consists of: two steel towers founded on reinforced concrete bases and standing 746 feet above the Mean Lower Low Water Level; two parallel main suspension cables, which are secured to the tops of the towers and anchored into anchor blocks at each end of the GGSB; and, a roadway deck supported by steel trusses suspended from the main cables by a system of suspender ropes; and,

**WHEREAS**, the suspender ropes, which are spaced at 50 feet on center, are mounted to the main cables with cable bands; and,

**WHEREAS**, each main cable is 6,800 feet long and its exterior diameter is 36-3/8 inches, and the incline angle of the main cables varies from 0 to 20.5 degrees at the main suspension span and from 19 to 30.5 degrees at the side spans; and,

**WHEREAS**, installation of an access system to the upper, steeper portions of the GGSB main cables is required for District personnel to perform repairs on the suspender rope cable bands and main cable wire wrapping, to remove the deteriorated paint from the cable surfaces and to place a new paint system over the cables; and,

**WHEREAS**, an access system engineered specifically for the GGSB main cables is necessary to accommodate their distinct details, varying incline angles, exposure to strong winds and location at the edge of the sidewalks that are open to the public; and,

**WHEREAS**, the Main Cable Access System Design Services Project (Project) involves retaining a qualified professional engineering firm to evaluate three types of suspension cable access systems, such as portable vertical hoisting platforms, permanent travelers and a temporary suspended catwalk, and their effectiveness in providing safe, reliable, efficient and cost effective means of access to perform maintenance repairs on the inclined upper portions of the cables; and,

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**WHEREAS**, the access evaluation report prepared by the consultant will provide a basis for the District to select the preferred system, and the consultant will then prepare a detail design of the chosen system and produce plans and technical specifications for a construction contract to furnish and install the access system; and,

**WHEREAS**, on May 14, 2013, the District advertised a Request for Qualifications/Request for Proposals No. 2013-B-8, *Golden Gate Bridge Main Cable Access System Design Services* (RFQ/RFP) to civil engineering consultants to provide professional services for the design of a main cable access system, and three proposals were received by the due date of July 23, 2013, as follows: NCM Engineering Corporation (NCM), Gold River, CA; Safway Services, LLC (Safway), Milpitas, CA; and, Tractel, Inc., Toronto, ON Canada; and,

**WHEREAS**, the District's Selection Committee (Committee) evaluated and ranked the proposals in accordance with the selection criteria specified in the RFQ/RFP, and one proposal was rejected due to not having met the minimum qualifications; and,

**WHEREAS**, the two remaining firms, NCM and Safway, were invited to interviews on August 7, 2013, at which time the Committee evaluated and ranked each oral interview presentation; and,

**WHEREAS**, the Committee determined that NCM is the best qualified consultant to perform these services, and staff negotiated the final contract terms and in an amount not to exceed \$799,756.00, for NCM's services; and,

**WHEREAS**, staff has determined that the negotiated cost is fair, reasonable and commensurate with the scope of services; and,

**WHEREAS**, the Disadvantaged Business Enterprise (DBE) Program Analyst has determined that NCM has complied with the DBE requirements applicable to the contract, no contract-specific DBE goal was established for this contract and a 16.9% DBE participation is anticipated during the performance of this contract; and,

**WHEREAS**, this Project is included in the FY 13/14 Bridge Division Capital Budget, at a total cost of \$4,180,000.00, and is 100% financed by the District; and,

**WHEREAS**, to date, \$547,876.00 has been spent on the first phase of the Project to furnish and install scaffolding on the bridge sidewalks to perform the maintenance repairs on the 800-foot long low portions of the cables at the center span; and,

**WHEREAS**, the budget balance of \$3,632,124.00 is available to finance the second phase of the Project involving design and construction of an access system to the upper portions of the main cables; and,

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**WHEREAS**, the Building and Operating Committee, at its meeting of September 19, 2013, has so recommended; now, therefore, be it

**RESOLVED** that the Board of Directors (Board) of the Golden Gate Bridge, Highway and Transportation District hereby authorizes the execution of a Professional Services Agreement, PSA No. 2013-B-8, *Golden Gate Bridge Main Cable Access System Design Services*, with NCM Engineering Corporation, Gold River, CA, in an amount not to exceed \$799,756.00; and, be it further

**RESOLVED** that the Board hereby authorizes a Contingency Fund, in the amount of \$79,976.00, for any additional or changed scope of work that may develop while work proceeds; and, be it further

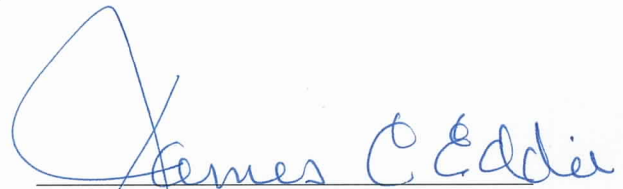
**RESOLVED** that requisite funds are available in the FY 13/14 Bridge Division Capital Budget.

**ADOPTED** this 20<sup>th</sup> day of September 2013, by the following vote of the Board of Directors:

**AYES (15):** Directors Arnold, Belforte, Breed, Campos, Cochran, Fredericks, Moylan, Rabbitt, Reilly, Sobel, Theriault, Wiener and Yee; Second Vice President Stroeh; First Vice President Grosboll

**NOES (0):** None

**ABSENT (4):** Directors Pahre, Sears and Snyder; President Eddie



**James C. Eddie**  
**President, Board of Directors**

**ATTEST:**



**Janet S. Tarantino**  
**Secretary of the District**