

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

**RESOLUTION NO. 2013-081**

**APPROVE CHANGE ORDERS TO CONTRACT NO. 2006-B-1,  
GOLDEN GATE BRIDGE SEISMIC RETROFIT PHASE IIIA,  
NORTH ANCHORAGE HOUSING/NORTH PYLON,  
FOR SLOPE PROTECTION AND IMPROVED ACCESS**

August 9, 2013

**WHEREAS**, the Board of Directors (Board) of the Golden Gate Bridge, Highway and Transportation District (District), by Resolution No. 2008-023 at its meeting of March 28, 2008, authorized the award of Contract No. 2006-B-1, *Golden Gate Bridge Seismic Retrofit Phase IIIA, North Anchorage Housing/North Pylon* (Contract No. 2006-B-1) to Shimmick Construction Company, Inc./Obayashi Corporation, JV, which included removing lead contaminated loose material overlying the rock surfaces inside the North Anchorage Housing (Housing) and expanding and strengthening the existing Housing foundations at selected locations; and,

**WHEREAS**, the ground inside the Housing slopes abruptly in the west/east direction with an elevation difference of 60 feet, and also drops off steeply in the south/north direction between Bents 4 and 5, Bents 5 and 6, and Bent 6 and the west anchor block; and,

**WHEREAS**, the final configuration and condition of the slopes could not be determined until after removal of the overlying loose material and rock excavations around the existing footings to provide space for enlargement of the foundations had been completed and as such, this work has significantly changed the rock slope configuration and uncovered fractured rock surfaces; and,

**WHEREAS**, because access inside the Housing was very difficult before the Phase IIIA project (Project), during design of the Project, staff and the design consultant investigated measures to improve personnel and equipment access to various locations in the Housing, some of which were included in the original scope of Contract 2006-B-1; however, because the final after-retrofit topography of the Housing could not be determined in advance, additional necessary elements of the access system can only now be fully defined; and,

**WHEREAS**, staff proposes improvements that will further enhance the structural integrity of the Housing structure, as well as provide necessary access for the District forces to inspect and maintain the structure; and,

**WHEREAS**, staff proposes that the necessary work be implemented under three change orders (COs) to Contract 2006-B-1, with each respective cost including all labor, materials, equipment and time extension overhead costs, as follows:

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<b>CO No.</b>	<b>Description of Work</b>	<b>Cost</b>
<b>101</b>	Constructing rock slope protection, consisting of installing 380 drill and grout rock dowels and placing 2,900 square feet of 6-inch thick layer of shotcrete, on the east facing slopes between the Pylon N1 and Bent 5	\$425,000.00
<b>102</b>	Constructing (1) a steel tie, consisting of steel brackets and high strength rods, connecting the column 6C footing to the previously installed foundation pile; and (2) 5,200 square feet of concrete slabs and curbs, reinforced with 12,500 pounds of reinforcing steel bars, at the flat areas along Bents 4, 5 and 6 and in front of the west and east anchor blocks	\$300,000.00
<b>103</b>	Furnishing and installing ladders and stairs connecting the west wall entry door and the new flat concrete areas; caged access ladders with intermediate platforms to the tops of the anchor blocks; and safety railing along the edges of the flat concrete areas and rock slopes	\$225,000.00
<b>Total Cost:</b>		<b>\$950,000.00</b>

and,

**WHEREAS**, staff has negotiated a contract time extension of 57 days to complete the work by December 31, 2013, from the presently approved completion date of November 4, 2013, as well as a reduced contract time extension compensation rate of \$3,600.00/day, from the original rate of \$12,000.00/day, which is included in the CO prices above; and,

**WHEREAS**, District Engineer finds the additional cost to be fair and reasonable; and,

**WHEREAS**, the District has received the concurrence of Federal Highway Administration and the California Department of Transportation, the oversight agencies for this Project, with the proposed work as measures necessary to protect the federal investment in improvements to the Housing, and with the costs of these COs to be paid with federal funds in the contract contingency; and,

**WHEREAS**, the Project is included in the FY 13/14 Bridge Division Capital Budget at a total cost of \$119,231,219.00, and is financed with \$112,447,958.00 (94%) federal grant funds and \$6,783,261.00 (6%) District funds; and,

**WHEREAS**, in March 2008, the Board awarded Contract 2006-B-1, in the amount of \$82,320,672.00, and approved the contract contingency, in the amount of \$8,232,067.00, which leaves a present balance of \$3,303,622.62; therefore, there is requisite contingency available to finance the cost of the three COs, in the total amount of \$950,000.00; and,

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**WHEREAS**, the Building and Operating Committee/Committee of the Whole, at its meeting of August 9, 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 execution of Change Orders (CO) to Contract No. 2006-B-1, *Golden Gate Bridge Seismic Retrofit Phase IIIA, North Anchorage Housing/North Pylon*, with Shimmick Construction Company, Inc./Obayashi Corporation, JV, as follows:

1. CO No. 101, in the amount of \$425,000.00, for constructing rock slope protection inside the North Anchorage Housing;
  2. CO No. 102, in the amount of \$300,000.00, for constructing reinforced concrete slabs and curbs and a tie at the column 6C footing inside the North Anchorage Housing; and,
  3. CO No. 103, in the amount of \$225,000.00, for furnishing and installing new steel access stairs, ladders, and handrails inside the North Anchorage Housing;
- and, be it further

**RESOLVED** that requisite funds are available in the FY 12/13 Bridge Division Capital Budget.

**ADOPTED** this 9<sup>th</sup> day of August 2013, by the following vote of the Board of Directors:

**AYES (15):** Directors Arnold, Belforte, Breed, Cochran, Fredericks, Moylan, Pahre, Rabbitt, Reilly, Sears, Snyder, Sobel and Theriault; Second Vice President Stroeh; President Eddie

**NOES (0):** None

**ABSENT (4):** Directors Campos, Wiener and Yee; First Vice President Grosboll



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

**ATTEST:**



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