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APR 10 2019

Change Record

Contract Number 009151	Contract Title I-90, Floating Bridges Replace Anchor Cables	Federal Aid Number NHPP-0901(497)
Change Order Number 21	Change Description L1-S L2-N Added Excavation	Date Mar 27, 2019
Region Northwest Region	Project Engineer Edward W. Kane, P.E. <i>E.K.</i>	Phone Number 425-225-8725

Prime Contractor / Design-Builder
American Bridge Company

- Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications or the
 Change proposed by Contractor / Design-

Evolution & Description Of Change

Attached for review and further processing is PE recommended Change Order No. 21. This change order provides for added Work required to excavate the eyebar connections at Anchor Cables 90/25S-L1-S and 90/25N-L2-N. The Contract provides for the replacement of 32 anchor cables on the I-90 Floating Bridges and specifies that the cable-to-eybar connections at Anchor Cables 90/25S-L1-S and 90/25N-L2-N were buried in up to eight feet of lakebed sediment, possibly with occasional ballast rock. Plan Sheet B5A shows the cables being buried by mud or riprap. These cables had deteriorated to Condition 4, so replacement could not be delayed to a future contract.

After an underwater inspection, the Contractor notified WSDOT that the cable anchors of L1-S and L2-N were located 61 and 91 feet, respectively, from the locations defined on Plan Sheet B5A and that they may be buried in 10 and 20 feet of sediment or more, respectively. WSDOT directed the Contractor to proceed with and track the necessary Work to excavate the cables.

After jetting approximately two feet of sediment at the L2-N anchor, the Contractor claimed a Differing Site Condition (DSC) due to a debris field of 3 to 6-inch diameter stone material covering Cable L2-N where it entered the lakebed; this material did not fit the Standard Specifications' definition of ballast or riprap. As a result, the Contractor had to propose an alternate working method for excavating at L2-N. After spending 4 additional days removing more than 11 feet of sediment at L1-S, the excavation was too deep for dive crews to safely replace the cable, so the Contractor had to propose an alternate working method for excavating at L1-S.

On September 11, 2018, WSDOT agreed with the Contractor's claim of a DSC and directed the Contractor to proceed with and track the required Work to excavate L1-S and L2-N pending approval of Submittal No. 98, "Supplemental Excavation Plan". Excavation at L1-S and L2-N began on September 19, 2018 and took 16 days, finishing on October 4, 2018.

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Smoking Area

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Project Office

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Region

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Contract Number 009151	Contract Title I-90, Floating Bridges Replace Anchor Cables	Change Order Number 21
<p>Basis of Cost & Justification:</p> <p>New item "CO#21 L1-S L2-N Added Excavation" will be paid at the agreed lump sum amount of \$1,628,240.00. This shall be full pay for all labor, equipment, materials and associated costs necessary to perform the Work. Please see the attached estimate for the basis and justification of costs.</p> <p>The net amount for this change order is \$1,628,240.00.</p>		
<p>Contract Time:</p> <p>This Work took 12 additional working days. Since the Contractor's baseline schedule initially indicated early completion, previous change orders have already granted enough working days for the Contractor to finish the project on schedule. As a result, it is mutually agreed that no working days will be added as a result of this change order.</p>		
<p>Prior Approvals:</p> <p>Kevin Waligorski, Assistant State Construction Engineer, gave his approval on February 28, 2019. Cathy Arnold, NWR Engineering Manager, gave her approval on March 20, 2019. Dave Lindberg, Project Engineer, gave his approval on September 11, 2018.</p>		
<p>List Attachments:</p> <ul style="list-style-type: none"> Checklist Estimate Approvals 		

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**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**


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CONTRACT NO: 009151 FEDERAL AID NO: NHPP-0901(497)
 CONTRACT TITLE: I-90, FLOATING BRIDGES REPLACE ANCHOR CABLES
 CHANGE ORDER NO: 21 L1-S L2-N ADDED EXCAVATION

PRIME CONTRACTOR: SW0230778 AMERICAN BRIDGE COMPANY
 1390 WILLOW PASS RD
 SUITE 330
 CONCORD CA 94520-5250

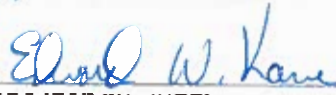
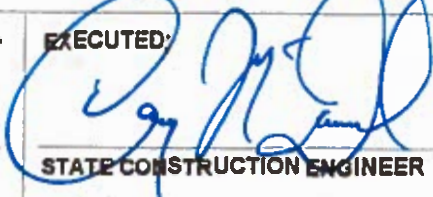
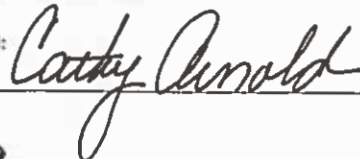
Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications

Change proposed by Contractor

ENDORSED BY:  _____ Brian A. Petersen CONTRACTOR _____ 21 MARCH 19 _____ DATE	SURETY CONSENT: _____ ATTORNEY IN FACT _____ DATE
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ORIGINAL CONTRACT AMOUNT: 5,755,000.00
 CURRENT CONTRACT AMOUNT: 9,283,360.51
 ESTIMATED NET CHANGE THIS ORDER: 1,628,240.00
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 10,911,600.51

Approval Required: Region Olympia Service Center Local Agency

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  _____ PROJECT ENGINEER _____ 3/27/2019 _____ DATE	<input type="checkbox"/> EXECUTED  _____ STATE CONSTRUCTION ENGINEER _____ April 16, 2019 _____ DATE	
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED REGIONAL ADMIN:  _____ BY: _____ 4-8-19 _____ DATE	<input type="checkbox"/> EXECUTED OTHER APPROVAL WHEN REQUIRED _____ SIGNATURE _____ DATE _____ REPRESENTING	

**WASHINGTON STATE
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CHANGE ORDER**

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CONTRACT NO: 009151

CHANGE ORDER NO: 21

All work, materials, and measurements to be in accordance with the provisions of the Standard Specifications and Special Provisions for the type of construction involved.

This contract is revised as follows:

DESCRIPTION

This change order provides for added Work required to excavate the eyebar connections of Anchor Cables 90/25S-L1-S and 90/25N-L2-N.

CONSTRUCTION REQUIREMENTS

Work to excavate the eyebar connections of Anchor Cables 90/25S-L1-S and 90/25N-L2-N shall be performed in accordance with the Supplemental Excavation Plan on Pages 4 through 9 of this change order.

MEASUREMENT AND PAYMENT

New item "CO#21 L1-S L2-N Added Excavation" will be paid at the agreed lump sum amount of \$1,628,240.00. This shall be full pay for all labor, equipment, material and associated costs necessary to perform the Work.

CONTRACT TIME

No additional working days were required for this Work. As a result, it is mutually agreed that an extension of time will not be granted as a result of this change order, and a written time impact analysis is not required.

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

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CONTRACT NO: 009151	CHANGE ORDER NO: 21
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ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
1023	01		L1-S L2-N ADDED EXCAVATION	L.S.	0.00	0.00	814,120.00
1023	03		L1-S L2-N ADDED EXCAVATION	L.S.	0.00	0.00	814,120.00

1,628,240.00
