



DEC 19 2016

Memorandum

DATE: December 8, 2016

TO: Derek Case *DC*
Assistant Construction Engineer
Headquarters, Mail Stop 47354

THRU: Julie Meredith *JM* / Dave Becher *DPB*
Program Administrator, SR 520 Program, Mail Stop NB82-99

FROM: Stephen Strand *SS*
Project Engineer, West Approach Bridge North Project
Mail Stop TB-93, (206) 770-3518

PROJECT: C-8625 SR 520 West Approach Bridge North Project

SUBJECT: CO # 135 – Interim Pay – Inland Casing Ext

Requested Action:

- Review Review and Region Execution Review and HQ Execution

Change Approval

Project Engineer Change Approval:	Stephen Strand	11/2/2016
Region Change Approval:	Dave Becher	11/2/2016
HQ Construction Change Approval:	Derek Case	11/8/2016
FHWA Change Approval:	Anthony Sarhan	11/10/2016
Program Funding Concurrence:	Janet Buoy	11/22/2016

Description of the Change

The Contract Plans establish the elevations for the permanent shaft casings that are to be installed for the West Approach Bridge North substructure. During construction, there were repeated instances where the installed casings began to sink further into the shaft excavation once the shaft excavation activity advanced beyond the casing tip elevation. This was not expected by either the Engineer of Record (EOR) or the WSDOT geotechnical engineering group, nor had such behavior been previously experienced on a WSDOT contract. After consultation with the EOR, HQ Geotech, HQ Construction and 520 Program, WSDOT determined that the best solution was to extend the permanent shaft casings. This additional casing depth provided greater penetration into the dense underlying soils and ensured stability of the casings during shaft excavation. WSDOT directed the Contractor to extend the permanent shaft casings for Piers 2-3, 6-8, 13 and began negotiations for the changed work. This Contractor requested change order provides an interim estimated payment for work performed to extend the casings and ensure prompt payment to subcontractor(s) performing a portion of this work. The full scope for extending the permanent inland shaft

casings will be detailed under a separate change order and will allow adjustments of costs for this Work. (CO#101 Inland Casing Extension – Still under negotiation)

Evolution of the Change

Between April and June of 2016, WSDOT SLs #0355, 0358, 0363, 0364, and 0387 provided direction to extend inland permanent shaft casings in order to prevent a reoccurrence of casing movement during excavation and avoid delays to the schedule and cost impacts associated with resources standing by.

By November 2016, the Prime Contractor, Flatiron, was providing information from their casing installation subcontractors, Pacific Pile & Marine (PPM) of costs incurred performing the completed casing extension work. They requested payment for this work as soon as possible. Change Order negotiations had already begun but execution of the full change order would take time and could adversely impact the Contractor's ability to make prompt payment to their subcontractor(s). This interim payment change order was then initiated to establish a means of payment for the work performed to date.

Change approvals were received as noted above.

Payment

In accordance with Standard Specifications 1-04.4, the Contractor is entitled to compensation for the additional cost of the labor, material and equipment as a result of changes to the Work. The amount of this change order, \$1,000,000, is an estimated interim payment for costs to extend the permanent marine shaft casings and will be adjusted once actual costs are agreed to under Change Order 101. See Attachment B for the engineer's estimate.

Time

Contract time is not affected by this change order.

DBE Statement

This change order adds casing to the drilled shafts already being placed by non-DBE subcontractors.

Attachments

- CCIS Change Order Document (3 pages)
- Change Order Checklist (2 pages)
- Change Approval Emails (Attachment A)
- Engineer's Estimate (Attachment B)

File: CO Files: CO 135; ProjectWise: 16.05.135

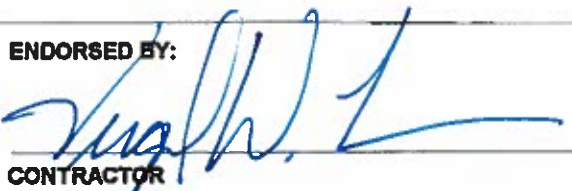
**WASHINGTON STATE
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CONTRACT NO: 008625 FEDERAL AID NO: BR-NHPP-0520 (053)
 CONTRACT TITLE: SR 520, MONTLAKE TO EVERGREEN PT. BRIDGE WEST APPR
 CHANGE ORDER NO: 135 INTERIM PAY-INLAND CASING EXT


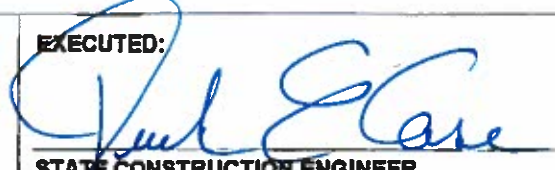
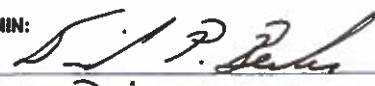
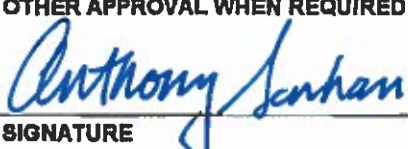
PRIME CONTRACTOR: SW0178155 FLATIRON WEST, INC
 18702 NORTH CREEK PARKWAY #202
 BOTHELL WA 98011-8019

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

ENDORSED BY:  CONTRACTOR 11/29/2016 DATE	SURETY CONSENT: ATTORNEY IN FACT DATE
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ORIGINAL CONTRACT AMOUNT: 199,537,370.50
 CURRENT CONTRACT AMOUNT: 205,510,942.00
 ESTIMATED NET CHANGE THIS ORDER: 1,000,000.00
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 206,510,942.00

Approval Required: Region Olympia Service Center Local Agency

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  PROJECT ENGINEER 11/30/16 DATE	<input type="checkbox"/> EXECUTED  STATE CONSTRUCTION ENGINEER 12/19/16 DATE
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED REGIONAL ADMIN:  BY: SR 520 Director of Construction December 12, 2016 DATE	<input type="checkbox"/> EXECUTED OTHER APPROVAL WHEN REQUIRED  SIGNATURE FHWA REPRESENTING 12/19/16 DATE

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CONTRACT NO: 008625

CHANGE ORDER NO: 135

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 an interim estimated payment for work performed to extend the permanent shaft casings for Piers 2-3, 6-8, and 13 to ensure the casings advance adequately into dense soil.

This change order is not considered final compensation for this issue, and therefore does not resolve or assign responsibility for any cost and/or time impacts associated with extending these casings, but instead provides an estimated payment for the Work that shall be adjusted once actual impacts and entitlement are agreed to.

Construction Criteria:

WSDOT Serial Letters (SL) 0355, 0358, 0363, 0364, and 0387 directed the Contractor to add casing to extend the tip elevation of permanent shaft casings for Piers 2-3, 6-8 and 13.

Full details of these modifications shall be detailed in a separate change order once impacts and entitlement are agreed to.

Measurement and Payment:

The new pay item, "OO#135 Interim Pay Inland Casing Ext", in the Lump Sum amount of \$1,000,000, shall be interim payment for additional costs, for the work detailed above, realized by the Contractor and its subcontractors, consultants, and suppliers and shall be adjusted once actual costs and apportionment are agreed to.

Time:

Contract time is not affected by this change order.

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CONTRACT NO: 008625	CHANGE ORDER NO: 135
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ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
1073	01		CO#135 INTERIM PAY-INLAND CASING EYT	L.S.	1,000,000.00	1.00	1,000,000.00

1,000,000.00

CHANGE ORDER-CHECKLIST

Cont. #: 8625 Cont. Title: SR 520 West Approach Bridge North (WARN)		If yes, State Construction Office Approval Required.	
C.O. #: 135 C.O. Title: Interim Pay - Inland Casing Ext.			
I. Executed by the State Construction Office	1. Cost or credit equal to or exceeding \$200,000.*1	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	X
	2. Change in the contract documents beyond the scope, intent or termini of the original contract.*2	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	3. Any proposed revision or deletion of work that affects the condition of award requirements. (Must be coded "CO" in CCIS)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	4. Change in contract time greater than 30 working days, or a change in contract time not related to any change order.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
II. Executed by the Region	5. Cost or credit greater than \$100,000 but less than \$200,000. *1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	6. Change in contract time greater than 10 and less than or equal to 30 working days (must be related to changes implemented by change order).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
III. Executed by the Project Engineer	7. Determination of impacts and/or overhead.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	8. Specification change involving Headquarters generated specification. (Includes Region generated specification requiring State Construction Office Approval)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	9. Specification change involving Region generated specifications.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	10. Material or product substitution.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	11. Structural design change in the roadway section (Requires State Materials Lab approval)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	12. Determination of changed condition. (Section 1-04.7 of the Standard Specifications)	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	13. Settlement of a claim. (Section 1-09.11(2) of the Standard Specifications)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
	14. Repair of damage regarding "acts of God" or "acts of the public enemy or of government authorities". (Section 1-07.13 of the Standard Specification)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X
15. Structural change to structures. (See BTA authority as shown in the Construction Manual)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	X	

Approvals obtained: Project Engineer (Required): Stephen Strand Date: 11/2/2016
 Region (Required if yes marked): Dave Becher/Julie Meredith Date: 11/2/2016
 State Construction Office: Derek Case Date: 11/8/2016
 State Materials Lab: N/A Date: _____
 Other (Local Agency, FHWA, Surety, etc.): Anthony Sarhan Date: 11/10/2016

To be completed by the Project Engineer :

CO Reason(s) (See "2008 Codes and Definitions" on HQ Construction SharePoint): AL04, UC, AW, DS

Change Order Prepared By: Brian Grieve Date: 11/2/2016

Has change been entered as lesson learned? Yes No Has design documentation been updated? Yes No

Is this project under full FHWA stewardship oversight? *1 Yes No

To be completed by the Region :

Is the change eligible for Federal participation where applicable? Yes No

Change Order Reviewed by: Jon Danks Date: 11-30-2016

*1 Change (Cost or Credit) greater than \$200,000 or greater than 30 days on Full Federal Stewardship Oversight projects requires FHWA approval (see Construction Manual - Chapter 1-2.4C(3), Chapter 1-3.4, and <http://www.wsdot.wa.gov/biz/construction/Stewardship/Stewardship.xls>)
 *2 Per RCW 47.28.050, any change beyond \$7,500 that is beyond the original scope shall go through the competitive bidding process.

This form represents the minimum information required by the State Construction Office. If you wish to supplement this information, you may do so on a separate sheet of paper.

CHANGE ORDER-CHECKLIST

SR 520 Corridor Program: Change Order Page 2 - Checklist Supplement

Cont. #:

C.O. #:

To be completed by the Project Engineer:

Does this change order require coordination with other SR 520 Projects / Program Areas? Yes No

Coordination has taken place with:

Contract Project (Identify your project):

Pontoon	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
Pontoon Mitigation	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
Pontoon Moorage	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
Eastside HOV	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
Evans Creek	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
FB&L	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
WCB	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>
WABN	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Name: <input type="text" value="N/A"/>	Date: <input type="text"/>

Identified risk has been entered into the SR 520 Risk Management Database: Yes No N/A

Risk ID Number (if pending, identify as Pending):

Project Risk ID No.:	<input type="text" value="WN.CNS.900.01"/>
Project Risk ID No.:	<input type="text" value="N/A"/>
Project Risk ID No.:	<input type="text" value="N/A"/>

To be coordinated with Program Finance, Budget and Controls Group:

Program Funding Concurrence? Yes No Funding Concurrence Obtained on: Date:

Is Sales Tax Included in CO Cost? Yes No Is sales tax deferred? Yes No

Max Payment Curve Changes discussed with: Date:

Third Party Agreements discussed with: Date:

Coordination with Others:

Design / Technical Lead: Name: Date:

Maintenance: Name: Date:

Environmental Commitments: Name: Date: