



Contract Number 008670	Contract Title I-5 Portland Avenue to Port of Tacoma Road-Northbound HOV	Federal Aid Number None
Change Order Number 303	Change Description Further Deck Prep - Pay Item 2	Date Oct 30, 2018
Region Olympic Region	Project Engineer Chuck Meade <i>CM</i>	Phone Number 360-412-3420
Prime Contractor / Design-Builder Hamilton Construction Co.		

- 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

Bridges 5-452E, 5-452W and 5-453 are shown in the Plans, BP1 (729) to BAY6A (743A), to have the expansion joint headers repaired and some of the the existing concrete overlay scarified and replaced. The Provisions include up to 200 SF of further deck preparation within the payment for "Scarifying Conc. Surface" which is only on bridge 5-453. The existing condition of the expansion joint headers was worse than what was anticipated in the Plans for the further deck preparation. The quantity is beyond what could be considered incidental to other items except for the portion included in the scarifying item.

The standard specification for further deck preparation can have either a cubic foot measurement or force account. The Proposal doesn't include the item "Further Deck Preparation". Change order 223 added the force account version of this item to compensate the Contractor for work in the areas outside of that which receives scarifying. When the Contractor began the Work, it became apparent that the force account work could not easily be separated from the lump sum work. Also, the subcontractor performing the work was traveling from Oregon which further complicated the force account method. The Contractor and the Engineer agreed to track the volume of the repairs by the quantity of repair materials used. That quantity was used to extrapolate a final price. The designer's estimate for the work included 200 square feet of surface area at 0.15 deep that likely required further deck prep. The final volume was 365 cubic feet which equates to approximately 2400 square feet at the design estimate average depth. This is twelve times the anticipated amount of work.

Most of the work to repair the bridge decks was done concurrently with other work on the project but there were a few nights that were not. Accordingly, the additional time for the TCS has been included because the bid item TCS is a lump sum item for the project.

Distribution: Copy of Change Record & Change Order w/Backup - Project Engineer
Copy of ONLY Change Order - Prime Contractor / Design-Builder
Copy of Change Record & Change Order w/Backup - Region Construction Office
Electronic Copy & Original of Change Record & Change Order w/Backup - State Construction Office

Change Record

Contract Number 008670	Contract Title I-5 Portland Avenue to Port of Tacoma Road-Northbound HOV	Change Order Number 303
Basis of Cost & Justification: The Project Engineer adopted the Contractor's methodology and calculation of the costs for the increased quantity of further deck preparation and TCS (attachment C). The new price is an extrapolation based on the bid prices. The Project Engineer determined, in accordance with Section 1-04.4, that an equitable adjustment is warranted for the increase in quantity of further deck preparation as there wasn't a provision for it.		
Contract Time: Contract time is not affected by this change to increase the quantity of further deck preparation as it did not impact the critical path of the Contractor's progress schedule.		
Prior Approvals: Brenden Clarke, Project Engineer, approved the change and directed the Contractor to proceed with the Work on May 8, 2017 (attachment D). Chuck Meade, Project Engineer, approved the scope change, and Dave Ziegler, ARCE, provided perspective on September 10, 2018 (attachment E).		
List Attachments: (A) Checklist (B) Change Order 303 (C) Cost Summary (D) Approval & Approval to Proceed (E) Approval & Perspective		

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Copy of ONLY Change Order - Prime Contractor / Design-Builder
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Cont. #: 008670..... Cont. Title: I-5 Portland Avenue to Port of Tacoma Road - NB HOV.....		If yes, State Construction Office Approval Required.
C.O. #: 303..... C.O. Title: Further Deck Prep - Pay Item 2.....		
I. Executed by the State Construction Office		
1. Cost or credit equal to or exceeding \$500,000. *1, *3		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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
3. Any proposed revision or deletion of work that affects the condition of award requirements. (Must be coded "CO" in CCIS, Includes changes to goal or commitment)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
4. Change in contract time greater than 30 working days, or a change in contract time not related to any change order. *1		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
II. Executed at the Region (Per Delegation)		
5. Determination of impacts and/or overhead.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
6. Change to Contract Provisions or Standard Plans.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Material or product substitution. (Excludes materials associated with Std. Specification Sections 6-07, 8-01, 8-02, 8-12, 8-18 & 8-20)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8. Structural design change in the roadway section. (Requires concurrence from designer)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
9. Determination of changed condition. (Section 1-04.7 of the Standard Specifications)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
10. Settlement of a claim. (Section 1-09.11(2) of the Standard Specifications)		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
11. 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
12. Structural change to structures.		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Approvals obtained:

Project Engineer: Brendan Clarke..... Date: 5/8/2017.....

Region: Date:

State Construction Office: Date:

Other (Local Agency, FHWA, Surety, etc.): Date:

To be completed by the Project Engineer :

CO Reason(s) (See "2008 Codes & Definitions" on State Construction Office web page): Al 18 PI AW.....

Change Order Prepared By: Daniel Jones..... Date: 10/22/2018.....

Is this project under full FHWA stewardship oversight (Project Of Division Interest)? *1 Yes No

To be completed by the Region :

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

Change Order Reviewed By: PJM CLAYTON..... Date: 11/5/18.....

*1 Change (Cost or Credit) greater than \$200,000 or greater than 30 days on Projects Of Division Interest (PODI) requires FHWA approval. (see Construction Manual - Chapter 1-00.10, Chapter SS1-04.4, and State Construction Office web page)

*2 Per RCW 47.28.050, any change beyond \$7,500 that is beyond the original scope shall go through the competitive bidding process.

*3 Engineering error changes over \$500,000 requires reporting (See reporting instructions & template on State Construction Office web page)

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.

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

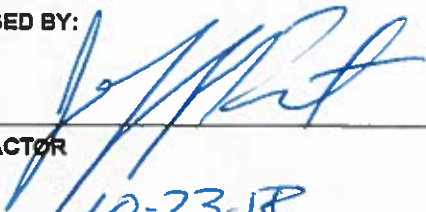
DATE: 10/22/18
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CONTRACT NO: 008670 FEDERAL AID NO:
CONTRACT TITLE: I-5, PORTLAND AVENUE TO PORT OF TACOMA ROAD - NORTH
CHANGE ORDER NO: 303 FURTHER DECK PREP - PAY ITEM 2

PRIME CONTRACTOR: SW0017141 HAMILTON CONSTRUCTION CO.
PO BOX 659
SPRINGFIELD OR 97477-0121


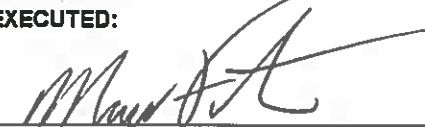
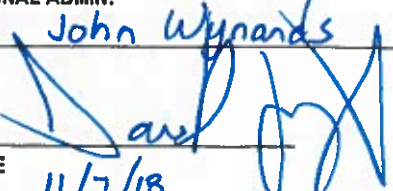
Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications

Change proposed by Contractor

ENDORSED BY:  CONTRACTOR DATE: 10-23-18	SURETY CONSENT: ATTORNEY IN FACT DATE:
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ORIGINAL CONTRACT AMOUNT: 134,709,929.50
 CURRENT CONTRACT AMOUNT: 143,190,929.15
 ESTIMATED NET CHANGE THIS ORDER: 618,400.59
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 143,809,329.74

Approval Required: Region Olympia Service Center Local Agency

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED  PROJECT ENGINEER DATE: 10/30/18	EXECUTED:  STATE CONSTRUCTION ENGINEER DATE: 11/13/18
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED REGIONAL ADMIN: For John Wynands BY:  DATE: 11/7/18	OTHER APPROVAL WHEN REQUIRED SIGNATURE _____ DATE _____ REPRESENTING _____

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 10/22/18

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CHANGE ORDER NO: 303

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 Work consists of preparing and repairing bridge deck surfaces designated and marked for further deck preparation, and placing, finishing, and curing modified concrete on bridges 5-452E, 5-452W, and 5-453.

Materials

Repair concrete used in areas of further deck preparation shall meet the requirements of the Provisions and Section 6-09.2.

Construction Requirements

Further deck preparation and repair shall be done in accordance with Section 6-09.3.

Measurement

No specific unit of measure will apply to the lump sum item for preparing and repairing the deck of bridges 5-452E, 5-452W, and 5-453.

No specific unit of measure will apply to the lump sum item for additional TCS time for traffic control performed during the work in this change order.

Payment

Contract item "CO-223, F/A Bridge Deck Repair" is deleted.

"CO-303, Bridge Deck Repair", lump sum.

Payment under the item "CO-303, Bridge Deck Repair" shall be full pay for performing the Work as specified, including removing and disposing of the concrete within the repair area, and furnishing, placing, finishing, and curing the repaired concrete on bridges 5-452E, 5-452W, and 5-453 excluding the work incidental to "Scarifying Conc. Surface".

"CO-303, Additional TCS", lump sum.

Payment under the item "CO-303, Additional TCS" shall be full pay for performing TCS duties during the work described herein.

Contract Time

Contract time for physical completion of the project is not adjusted for the Work in this change order.

**WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER**

DATE: 10/22/18
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ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
0547	01	7715	CO-223, F/A BRIDGE DECK REPAIR	EST.	30,000.00	0.00	-30,000.00
1169	01		CO-303, BRIDGE DECK REPAIR	L.S.	0.00	0.00	641,010.32
1172	01		CO-303, ADDITIONAL TCS	L.S.	0.00	0.00	7,390.27

618,400.59
