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Change Record

Contract Number 009133	Contract Title I-5 Steilacoom-DuPont Rd to Thorne Lane - Corridor	Federal Aid Number
Change Order Number 19	Change Description Roadway Configuration	Date Dec 12, 2019
Region Olympic Region	Project Engineer Brian Whitehouse P.E.	Phone Number 360-412-3421
Prime Contractor / Design-Builder Atkinson		

- 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

This change order originally began as 4 separate changes and it was ultimately combined into a single change order as an effort to progress the project forward.

Change #1, formerly known as Change Order #19

This owner directed change extends the added southbound lane from the planned drop at the 41st Division Drive Bridge (MP 121.08) through the interchange to the southern project limit (MP 120.01). This change was identified by Owen Kikuta (WSDOT Parametrix Consultant) during the preliminary design for the next project phase of the JBLM corridor. During the preliminary design effort for the stage 3 project, Parametrix performed a traffic analysis to evaluate the stage 3 MOT concept with the current project's final lane configuration. This analysis determined that extending the southbound 4th lane through the 41st Division interchange provides significant congestion relief once opened and streamlines MOT requirements for the stage 3 project. Olympic Region Traffic Office determined these operational benefits to be significant and requested that the change be incorporated into the current project. Chapters 2.11.3 of the RFP will need to be updated to reflect these changes. In addition to the traffic modeling, Flint Jackson supplied approval for the additional illumination & ITS required for the lane extension. Traffic revisions including permanent signing, striping, and barrier work was approved by Susan Hill & Glenn Frlis. New drainage additions in multiple areas were included in the design and were verified by Owen Kikuta.

Change #2, formerly known as Change Order #20

This owner directed change modifies Chapters 2.13.4.6 & 2.19.1 of the RFP to provide for the design and construction of five additional cantilever sign foundations in the I-5 median between 41st Division (MP 120.04) to Gravelly Lake Drive (MP 124.13) to accommodate future HOV signing. The current project provides for the construction of an additional general purpose lane in each direction through the project limits. WSDOT management is currently evaluating the conversion of the new lanes to HOV through the JBLM corridor. Based on the likelihood of this conversion being implemented, Olympic Region construction directed this change in May 2019 to ensure that a subsequent contract would not be required to construct the foundations. Construction of the foundations on the current project eliminates rework and throw away costs associated with replacing brand new median barrier with barrier top foundations and eliminates the traffic impacts required to construct the foundations at a later date under another contract.

Change #3

This Design-Builder initiated change (DBIC) involves a temporary revision to the add lane at the Thorne Lane northbound on-ramp. Currently, the Thorne northbound on-ramp enters northbound I-5 as an add lane, but this change would allow the Design-Builder to revise the northbound Thorne on-ramp to a merge condition for a two-week period. This temporary revision would allow the Design-Builder to complete the northbound outside widening near the Gravelly Lake exit. The project office evaluated available options to complete the widening and determined that the best alternative to accommodate all modes of transportation for the land-locked Tillicum neighborhood was to temporarily convert the Thorne Ramp to a merge condition. RFP Chapter 2.22.4.4.2.1 will be modified to reflect the changes. **Change #4, formally known as Change Order #27**

This Design-Builder initiated change (DBIC) revises the limits for proposed Noise Wall #6. The Design-Builder's approved ATC#1 significantly altered the interchange geometry at the location of this noise wall. In approving ATC#1, the Design-Builder was required to perform a new noise analysis for this wall. The results of this analysis determined that the length of wall should be shortened by 300', which meets WSDOT reasonableness standards. RFP Chapter 2.11.3.10 will be modified to reflect the change.

The Project Office reached a negotiated agreement for total compensation to the Design-Builder in the amount of \$1.5 million dollars to incorporate these changes. This change grants a 4 week extension to the "Traffic in Final Configuration" milestone, but does not revise the overall duration of the Project. Region Approval was granted for the combined package on 10/8/2019, followed by HQ Approval on 10/15/2019 and lastly by the PE on 10/17/2019.

Distribution By:

Project Office

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

Region

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Basis of Cost & Justification:

The Engineer's estimates of \$1,500,283.92 for the four combined issues were calculated using the force account method for the products to be installed including quotes from material suppliers such as storm drainage, luminaire poles, sign structures etcetera, labor costs from the contractors certified payroll amounts and blue book rental rates for the equipment. Typical rates for the scoping, surveying and design were included along with the usual overhead and profit. The agreement of \$1,500,000 is reasonable when compared to the Engineer's estimate.

The Project Engineer determined in accordance with Section 1-04.4 that an equitable adjustment was warranted for added work.

Contract Time:

Contract time for Physical Completion of the Project will not be adjusted for work in this Change Order. 28 Calendar Days will be added to the 815 Calendar Day duration for Milestone A - Final Configuration Open to Traffic completion deadline, as shown on Form D - Contract Time/Milestone Completion Deadlines within the Proposal.

Prior Approvals:

State Construction Office Approval from Marco Foster - 10/15/2019
 Region Approval from Dave Ziegler - 10/17/2019
 Project Engineer approval from Brian Whitehouse - 10/17/2019

List Attachments:

(A) Checklist (B) Engineer's Estimate (C) Approvals

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Region

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DEPARTMENT OF TRANSPORTATION
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CONTRACT NO: 009133 FEDERAL AID NO:
CONTRACT TITLE: I-5, STEELACOOM-DUPONT RD TO THORNE LANE CORRIDOR
CHANGE ORDER NO: 19 ROADWAY CONFIGURATION

PRIME CONTRACTOR: SW0252050 GUY F. ATKINSON CONSTRUCTION, LLC.
707 SOUTH GRADY WAY SUITE 500
RENTON WA 98057-3224


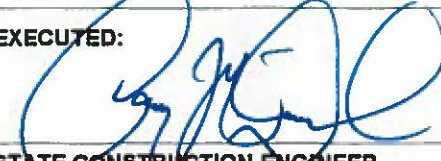
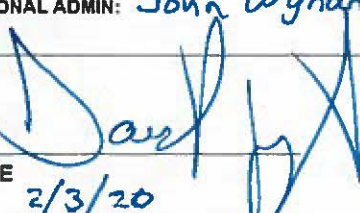
Ordered by Engineer under the terms of Section 1-04.4 of the Standard Specifications

Change proposed by Contractor

ENDORSED BY:  _____ CONTRACTOR 12/06/19 _____ DATE	SURETY CONSENT: _____ ATTORNEY IN FACT _____ DATE
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ORIGINAL CONTRACT AMOUNT: 180,895,595.00
 CURRENT CONTRACT AMOUNT: 180,686,677.93
 ESTIMATED NET CHANGE THIS ORDER: 1,500,000.00
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 182,186,677.93

Approval Required: Region Olympia Service Center Local Agency

<input checked="" type="checkbox"/> APPROVAL RECOMMENDED  PROJECT ENGINEER 1/27/2020 DATE	<input type="checkbox"/> EXECUTED EXECUTED:  STATE CONSTRUCTION ENGINEER 2/4/2020 DATE
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED For REGIONAL ADMIN: John Wynands  BY: DATE 2/3/20	<input type="checkbox"/> EXECUTED OTHER APPROVAL WHEN REQUIRED SIGNATURE _____ DATE _____ REPRESENTING _____

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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 revises the construction limits for Noise Wall 6, extends the construction limits for the I-5 southbound fourth through lane, adds median cantilever sign foundations for HOV signing through the Project limits and adds a short duration closure of the northbound auxiliary lane between Thorne Lane and Gravelly Lake Drive.

Construction Requirements

- Section 2.11.3, Design Requirements, on page 2.11-3, after line 25, insert:
"The fourth southbound through lane of I-5 shall extend through the southbound on-ramp at Exit 120 Main Gate interchange, terminating at the southern Project limits."

- Section 2.11.3.1, Roadside Barrier Selection, on page 2.11-3, line 35, insert:
"Median barrier for HOV sign foundations shall be constructed in accordance with Std. Plan C-85.18-01."

- Section 2.11.3.10, Noise Walls/Security Walls, on page 2.11-7, line 2, "363+00" is deleted and replaced with "366+00"

- Section 2.13.4.6, Sign Structures, CCTV Camera Structures, Toll Gantries, and Overhead Lighting Structures, on page 2.13-11, insert the following after line 42:
"Median foundations for HOV signing shall be designed to accommodate T-shaped cantilever arms for HOV signing on the northbound and southbound directions of traffic. Requirements for cantilever arm lengths and maximum signing size shall be provided by WSDOT."

- Section 2.19.1, on page 2.19-1, lines 21 and 22 are revised to read:
"The Design-Builder shall be responsible for providing all new signing required for changes made to the roadway geometry or lane configuration. In addition, the Design-Builder shall construct five median cantilever sign foundations for the HOV Sign Structures at the following approximate locations:

I-5 northbound at STA SR5 270+70, SR5 361+75, and SR5 410+60.
I-5 southbound at STA SR5 204+62, and SR5 299+75.

- Section 2.22.4.4.2.1, Design Criteria, on page 2.22-31, after line 8, insert:
"N Thorne Lane to I-5 Northbound On-Ramp
The Design-Builder will be allowed one (1) closure of the northbound add lane between the Thorne northbound on-ramp and the Gravelly northbound off-ramp, resulting in a temporary merge configuration for the

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Thorne northbound on-ramp, as shown in the RFC Plans. This closure will be permitted one (1) time only and shall not exceed a two week duration."

Measurement

No specific measurement will apply to the lump sum item for the Work included in this Change Order.

Payment

"CO#-019 Roadway Configuration" lump sum.

Payment under the item "CO#-019 Roadway Configuration" will be full payment to the Design-Builder for Work described herein.

Contract Time

Contract time for Physical Completion of the Project will not be adjusted for Work in this Change Order. 28 Calendar Days will be added to the 815 Calendar Day duration for Milestone A - Final Configuration Open to Traffic completion deadline, as shown on Form D - Contract Time/Milestone Completion Deadlines within the Proposal.

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ITEM NO	GROUP NO	STD ITEM	ITEM DESCRIPTION	UNIT MEASURE	UNIT PRICE	EST QTY CHANGE	EST AMT CHANGE
1015	01		CO#-019 ROADWAY CONFIGURATION	L.S.	0.00	0.00	1,200,000.00
1015	02		CO#-019 ROADWAY CONFIGURATION	L.S.	0.00	0.00	300,000.00

1,500,000.00
