November 20, 2018

TO: Derek Case,  
MS-47354

THRU: A. Amini / K. Klingman,  
NB82-230

FROM: P. Fuller / J. Prieto  
NB82-66

SUBJECT: Contract 9160  
SR99, AWV-Replacement South Access SR99 Connections  
CHANGE ORDER #022  
SR99 Roadway Settlement Repair

Attached for your review and execution is change order No. 022 “SR99 Roadway Settlement Repair”. This change order has been processed in accordance with the attached change order checklist (Attachment A).

Description of Change
This change order will provide compensation to the Contractor for the added work to modify the SR99 roadway profile by installing tapered overlays and modifying the existing traffic barrier.

Development of the Change
The roadway was constructed as part of the AWV SR99-Holgate to King Stage 2 project about 7 years ago. Over the last year, a dip formed in the pavement as a result of the subgrade settlement. The added work of this repair was reviewed and analyzed to determine the risks that were involved in performing this work, either before the tunnel was open during the Permanent Viaduct Closure (PVC) or postponed until after the SR99 Tunnel was open.

If this work was postponed until the tunnel is open the costs and the impacts to the traveling public would increase as most of the work will require extensive lane closures for the cure time to the concrete. A decision was made to have this work performed under Contract 9160 to minimize the overall costs and impacts to the traveling public.
Approvals
- PE Approval – Patrick Fuller gave approval on 8/2/2018 (Attachment B).
- Region Approval – Ali Amiri gave approval on 9/13/2018 (Attachment B).
- AWV Program Management – Mario Mathisen gave approval on 11/20/2018 (Attachment B).

Entitlement
This work was added to Contract, as such the Contractor is entitled to additional compensation that include risk costs in the event the Prime Contractor would have to complete a subcontractor’s work, weather affecting timely completion, concrete cure time.

Price
The Contractor proposed $562,070.52 for this added work. Our estimate came to be $547,607.71 (Attachment C). We accepted their proposal.

Contract Time
Contract time is not adjusted by this change order. No changes to Contract interim milestones are made as a result of the change order.

PF:vs
Attachments
File: C9160 5(022)
### CHANGE ORDER-CHECKLIST

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>C.O. #: 22</td>
<td>C.O. Title: SR99 Roadway Settlement Repair</td>
<td></td>
</tr>
</tbody>
</table>

#### I. Executed by the State Construction Office

1. Cost or credit equal to or exceeding $500,000. *1, *3
   - [ ] Yes [X] No
   
2. Change in the contract documents beyond the scope, intent or termini of the original contract. *2
   - [ ] Yes [X] 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)
   - [ ] Yes [X] No
   
4. Change in contract time greater than 30 working days, or a change in contract time not related to any change order. *1
   - [ ] Yes [X] No

#### II. Executed at the Region (Per Delegation) value less than $500,000 and up to 30 days

5. Determination of impacts and/or overhead.
   - [ ] Yes [X] No
   
   - [ ] Yes [X] 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)
   - [ ] Yes [X] No
   
8. Structural design change in the roadway section. (Requires concurrence from designer)
   - [X] Yes [ ] No
   
9. Determination of changed condition. *(Section 1-04.7 of the Standard Specifications)*
   - [ ] Yes [X] No

10. Settlement of a claim. *(Section 1-09.11(2) of the Standard Specifications)*
    - [ ] Yes [X] 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 Specifications)*
    - [ ] Yes [X] No

12. Structural change to structures.
    - [ ] Yes [X] No

**NOTE:** PE delegated authority to execute value less than $100,000 and up to and including 10 days

#### Approvals obtained:

<table>
<thead>
<tr>
<th>Approvals obtained:</th>
<th>Project Engineer: Patrick Fuller</th>
<th>Date: 8/2/2018</th>
</tr>
</thead>
<tbody>
<tr>
<td>Region:</td>
<td>Brian Nelson/ Ali Amiri</td>
<td>Date: 5/9/2018</td>
</tr>
<tr>
<td>State Construction Office: Derek Case</td>
<td>Date: 9/13/2018</td>
<td></td>
</tr>
<tr>
<td>Other (Local Agency, FHWA, Surety, etc.):</td>
<td>Date:</td>
<td></td>
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</table>

#### To be completed by the Project Engineer:

- CO Reason(s) (See "2008 Codes & Definitions" on State Construction Office web page): AI & 18 UC - RS
- Change Order Prepared By: Vinod Sangani
- Date: 11/20/2018
- Is this project under full FHWA stewardship oversight (Project Of Division Interest)? *1 [ ] Yes [X] No

#### To be completed by the Region:

- Is the change eligible for Federal participation where applicable? [ ] Yes [X] No
- Change Order Reviewed By: [Signature]
- Date: 11/23/18

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*1 Change (Cost or Credit) greater than $200,000 or greater than 30 days on Projects Of Division Interest (PIDI) 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.
NWR Change Order Checklist (Rev. July 2010)

<table>
<thead>
<tr>
<th>Cont. No. :</th>
<th>9160</th>
<th>Cont. Title:</th>
<th>SR99, AWV-Replacement South Access - SR99 Connections</th>
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<tr>
<td>C.O. No.:</td>
<td>22</td>
<td>C.O. Title:</td>
<td>SR99 Roadway Settlement Repair</td>
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**Clearances:**

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<thead>
<tr>
<th>Category</th>
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<tr>
<td>Funding</td>
<td>Mario Mathisen</td>
<td>11/20/2018</td>
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<tr>
<td>Is Sales Tax Included?</td>
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<td>Design/Technical Lead</td>
<td>Eric Schultz</td>
<td>7/30/2018</td>
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<td>Maintenance</td>
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<td>Agreements?</td>
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<td>Local Agency Coordination?</td>
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<tr>
<td>Other? AWV Prog. Admin.</td>
<td>Brian Nielsen</td>
<td>5/9/2018</td>
</tr>
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</table>

Checklist Prepared by (Project Field Office): Vinod Sangani Date: 11/20/2018

Change Order Reviewed by (Project Field Office): Dave Clarke Date: 11/20/2018
WASHINGTON STATE
DEPARTMENT OF TRANSPORTATION
CHANGE ORDER

DATE: 11/15/18

CONTRACT NO: 009160
CONTRACT TITLE: SR 99, ALASKAN WAY VIADUCT - REPLACEMENT SOUTH A/C
CHANGE ORDER NO: 22 SR99 ROADWAY SETTLEMENT REPAIR

FEDERAL AID NO:

PRIME CONTRACTOR: Scarcella Bros., Inc.
P O BOX 68697
SEATTLE WA 98168-0697

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

ENDORSED BY:

Mick T Bold
CONTRACTOR

SURETY CONSENT:

ATTORNEY IN FACT

DATE

ORIGINAL CONTRACT AMOUNT: 22,583,904.00
CURRENT CONTRACT AMOUNT: 22,191,012.88
ESTIMATED NET CHANGE THIS ORDER: 562,070.52
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 22,753,083.40
Approval Required: ( ) Region ( ) Olympia Service Center ( ) Local Agency

( ) APPROVAL RECOMMENDED ( ) EXECUTED

EXECUTED:

DATE

PROJECT ENGINEER

State Construction Engineer

DATE

REGIONAL ADMIN:

DATE

OTHER APPROVAL WHEN REQUIRED

SIGNATURE

REPRESENTING

CG02v04 (revised Feb 2005)
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 OF WORK
This change order revises the roadway profiles by overlaying the existing pavement to address settlement of Northbound and Southbound SR99 mainline and modifies the existing barrier as follows:

1. Adds planing Bituminous Pavement from S-SB 156+80 to S-SB 157+73 and S-NB 156+50 to S-NB 157+39.
2. Adds HMA Overlay from S-SB 156+80 to S-SB158+56.56 and S-NB 156+50 to S-NB 158+32.58.
3. Performs rotary milling the existing concrete slab from S-SB 158+56.56 to S-SB 158+76 and S-NB 158+32.58 to S-NB 158+49.
4. Adds a concrete overlay to the existing concrete slab from S-SB 158+76 to S-SB 158+81.55 and S-NB 158+49 to S-NB158+57.58 including installation of the steel reinforcement.
5. Modifies the barrier at the following locations:
   - S-SB 157+36.59 (39.36' LT) to S-SB 158+81.56 (34.72' LT)
   - S-SB 157+36.43 (27.29' RT) to S-SB 158+81.56 (21.01' RT)
   - S-NB 157+13.39 (16.95' LT) to S-NB 158+57.58 (16.51' LT)
   - S-NB 157+12.55 (35.83' RT) to S-NB 158+57.58 (34.86' RT)
6. Implements the traffic control as shown in the plans. Adds temporary barrier and temporary striping to shift traffic in order to maintain access.

New plan sheets included in this change order are SP11, RS019, RS020, FP024, BPI1, COD1, and BMD1. Traffic control plan sheets TCI18, TCI19, TCI20, TCI21, TCI22, TCI23, TCI24 and TCI25.

MATERIALS
Section 6-02.2 of the 2016 Standard Specifications is supplemented with the following: "Epoxy bonding agent for steel reinforcing bar dowels shall be either Type I or Type IV, as specified in Section 9-26.1. The grade and class of epoxy bonding agent shall be as recommended by the resin manufacturer and approved by the Engineer."

CONSTRUCTION REQUIREMENTS
The Class 4000D concrete shall conform to Section 6-02.3(2)A1 of the 2016 Standard Specifications.

Section 6-02.3(24)C is supplemented with the following:

Drilling Holes for, and Setting, Steel Reinforcing Bar Dowels Where called for in the Plans, holes shall be drilled into existing concrete to the size and dimension shown in the Plans. The Contractor may use any method for drilling holes provided the method selected does not damage the concrete and the steel reinforcing bar that is to remain. Core drilling will
be required when specifically noted in the Plans.

The Contractor shall exercise care in locating and drilling the holes to avoid damage to existing steel reinforcing bars and concrete. Location of the holes may be shifted slightly with the approval of the Engineer in order to avoid damaging the existing steel reinforcing bars. All damage caused by the Contractor's operations shall be repaired by the Contractor at no cost to the Contracting Agency and the repair shall be as approved by the Engineer.

MEASUREMENT

PAYMENT
This change order revises quantity for the following items from this contract in accordance with Section 1-04.6:

1) Bid Item 96, "HMA CL. IN. PG 64-22", increased by 566 Tons, totaling $55,600.
2) Bid Item 161, "Temporary Barrier", increased by 1,992 LF, totaling $64,740.
3) Bid Item 187, "Temporary Pavement Marking-Long Duration", increased by 11,000 LF, totaling $5,500.

This change order creates a new lump sum item, "CO022, SR 99 Settlement Repair", in the amount of $435,230.52. This item will provide full payment for all labor, equipment, and materials required for the work as shown in the Plans. This amount will also be full payment for additional survey, signing, all preparation work, sawcutting, joint preparation for vertical face, cement concrete pavement rotomilling, planing bituminous pavement, disposal costs, HMA overlay, all additional mobilizations, concrete overlay at approach slabs, barrier modifications, temporary HMA maintain access, premium time, additional supervision, risk for concrete temperature and subcontractor performance, small tools including all incidentals required to complete the work shown in the Plans.

CONTRACT TIME
No working days are added to the Contract time as a result of this change order. No changes to Contract interim milestones are made as a result of this change order.
<table>
<thead>
<tr>
<th>ITEM NO</th>
<th>GROUP NO</th>
<th>STD ITEM</th>
<th>ITEM DESCRIPTION</th>
<th>UNIT MEASURE</th>
<th>UNIT PRICE</th>
<th>EST QTY CHANGE</th>
<th>EST AMT CHANGE</th>
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<tr>
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<td>01</td>
<td>5767</td>
<td>SMA CL. 1/2 IN. PG 64-22</td>
<td>TON</td>
<td>100.00</td>
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<td>56,600.00</td>
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<td>6896</td>
<td>TEMPORARY PAVEMENT MARKING-LONG DURATION</td>
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<td>11,000.00</td>
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<td>C0022, SR 99 SETTLEMENT REPAIR</td>
<td>L.S.</td>
<td>0.00</td>
<td>0.00</td>
<td>435,230.52</td>
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</table>

562,070.52
SOUTH APPROACH TRAFFIC CONTROL - ALTERNATIVE 2 STAGE 1

GENERAL NOTES
1. SEE SHEET 1001 FOR LEGEND
2. SEE SHEET 1001 FOR TEMPORARY TRAFFIC CONTROL DEVICE PLACEMENT REQUIREMENTS
3. NO FLAGGERS OR SPOTTERS ON THIS SHEET

FILE NAME: p:\wsp\proj\0109\10914\South Approach\99\app\99\app99\app99.dgn

DATE: 03/18/20
PLOTTED BY: J. WILKERSON
CHECKED BY: J. WILKERSON
PROJECT: 17A805
LOCATION: SOUTH ACCESS - SR 99 CONNECTIONS

SR 99
ALASKAN WAY VIADUCT - REPLACEMENT
TRAFFIC CONTROL PLAN
SOUTH APPROACH TRAFFIC CONTROL - ALTERNATIVE 2 STAGE 2