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|--|---|---------------------------------------|
| Contract Number<br>8662  | Contract Title<br>I-90/Two Way Transit/HOV Operations | Federal Aid Number<br>TIGER-2014(088) |
| Change Order Number<br>89                                      | Change Description<br>Temp Paint in Lieu of Tape      | Date<br>May 15, 2017                  |
| Region<br>Northwest Region                                     | Project Engineer<br>Aleta Borschowa                   | Phone Number<br>206-768-5601          |
| Prime Contractor / Design-Builder<br>IMCO General Construction |   |                                       |

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

Change proposed by Contractor / Design-Builder

Evolution & Description Of Change

The Special Provisions specify the material to be used for both Short Duration and Long Duration temporary pavement marking as 3M tape. At a March 15th meeting, the pavement marking Subcontractor, Specialty Pavement Markings, proposed an alternative plan to temporary pavement marking which is to remove existing plastic markings by grinding, then replace these, in the existing configuration, with temporary paint markings for the fog lines and temporary tape for the lane lines. These temporary paint lines will later be hydroblasted, and the tape removed, and the permanent pavement markings installed in their new configuration.

Per Aleta:

The original quantities of temporary pavement markings assumed that the Contractor would elect to shift traffic lanes multiple times to perform various items of work. The contractor did not implement all of the shifts that the design team envisioned. We are therefore able to reduce quantities. MMA shall be placed on dry pavement. Removal of existing striping is to be done via hydro-blasting, which leaves a wet surface. In addition, due to the sheer number of lanes across I-90, the amount of time it takes to remove old and then place permanent striping is longer than allowed closure hours. For these reasons, the contractor shall add an intermediate step to the process. During first closures in each area, after existing striping is removed, the contractor shall place Temporary Pavement Marking – Short Term paint in the new lane configuration. Then during a second closure, he shall to return to place MMA.

Though negotiations the Contractor agreed that the Temporary Pavement Marking – Short Duration paint placed during the first of this two-step process shall be paid at a price of \$0.17 per lineal Foot

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|-------------------------|---|---------------------------|
| Contract Number<br>8662 | Contract Title<br>I-90/Two Way Transit/HOV Operations | Change Order Number<br>89 |
|-------------------------|---|---------------------------|

**Basis of Cost & Justification:**

WSDOT calculated a credit to the State of \$877,408.00 net for this change order. This includes the payment of \$0.15 per linear foot to SPM with a markup to the Prime for a total of \$0.17 per linear foot for the temporary paint. Unit Bid Analysis was used to justify the price of \$0.17/LF. Short Duration marking is zeroed out as that item was not used on this Project. The 120,000 feet of marking by temp paint was deleted from Long Duration marking.

The contractor agreed to this cost but has not signed the change order. After many months of waiting for the contractor to sign the decision was made by the PE (Aleta Borschowa) to unilateral this change order.

**Contract Time:**

No working days are added to contract time as a result of this change.

This change does not affect the critical path.

**Prior Approvals:**

|                      |         |
|----------------------|---------|
| Aleta Borschowa      | 4/7/17  |
| Bob Dyer, HQ         | 6/20/17 |
| Messay Sheferaw, NWR | 6/20/17 |

**List Attachments:**

Signed Change Order    Quantity calc.s  
 Checklist  
 Email approvals  
 UBA Estimate

**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  
 Original of Change Records & Change Order w/Backup - State Construction Office

**WASHINGTON STATE  
DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 10/31/17  
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CONTRACT NO: 008662 FEDERAL AID NO: TIGER-2014 (088)  
CONTRACT TITLE: I-90, TWO-WAY TRANSIT & HOV OPERATIONS STAGE 3  
CHANGE ORDER NO: 89 TEMP PAINT IN LIEU OF TAPE

PRIME CONTRACTOR: 911066865 IMCO GENERAL CONSTRUCTION, INC.  
2116 BUCHANAN LOOP  
FERNDALE WA 98248-9801

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

Change proposed by Contractor

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|--|---|
| <p><b>ENDORSED BY:</b></p><br><br><p>_____<br/>CONTRACTOR</p><br><br><p>_____<br/>DATE</p> | <p><b>SURETY CONSENT:</b></p><br><br><p>_____<br/>ATTORNEY IN FACT</p><br><br><p>_____<br/>DATE</p> |
|--|---|

ORIGINAL CONTRACT AMOUNT: 120,105,661.15  
CURRENT CONTRACT AMOUNT: 126,873,547.81  
ESTIMATED NET CHANGE THIS ORDER: -877,408.00  
ESTIMATED CONTRACT TOTAL AFTER CHANGE: 125,996,139.81

Approval Required:  Region  Olympia Service Center  Local Agency

|   |   |
|---|---|
| <p><input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED</p> <p><i>James L. Shaver For ALSTA BERSENHAWA</i><br/>PROJECT ENGINEER</p> <p><u>10/31/17</u><br/>DATE</p> | <p>EXECUTED:</p> <p><i>Robert Am...</i><br/>STATE CONSTRUCTION ENGINEER</p> <p><u>November 2, 2017</u><br/>DATE</p> |
| <p><input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED</p> <p>REGIONAL ADMIN:</p> <p><i>Murray Siferian</i><br/>BY:</p> <p><u>Oct 31 / 2017</u><br/>DATE</p>       | <p>OTHER APPROVAL WHEN REQUIRED</p> <p>_____<br/>SIGNATURE</p> <p>_____<br/>DATE</p> <p>_____<br/>REPRESENTING</p>  |

**WASHINGTON STATE  
DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 04/14/17  
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CONTRACT NO: 008662 FEDERAL AID NO: TIGER-2014(088)  
 CONTRACT TITLE: I-90, TWO-WAY TRANSIT & HOV OPERATIONS STAGE 3  
 CHANGE ORDER NO: 89 TEMP PAINT IN LIEU OF TAPE



PRIME CONTRACTOR: [REDACTED] IMCO GENERAL CONSTRUCTION, INC.  
 2116 BUCHANAN LOOP  
 FERNDALE WA 98248-9801

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

|  |   |
|--|---|
| ENDORSED BY:<br><br><hr/> CONTRACTOR<br><br><hr/> DATE | SURETY CONSENT:<br><br><hr/> ATTORNEY IN FACT<br><br><hr/> DATE |
|--|---|

ORIGINAL CONTRACT AMOUNT: 120,105,661.15  
 CURRENT CONTRACT AMOUNT: 125,924,216.55  
 ESTIMATED NET CHANGE THIS ORDER: -877,408.00  
 ESTIMATED CONTRACT TOTAL AFTER CHANGE: 125,046,808.55

Approval Required:  Region  Olympia Service Center  Local Agency

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|--|--|
| <input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> EXECUTED<br><div style="text-align: center; font-size: 1.2em; margin-top: 10px;"> <br/>                 PROJECT ENGINEER             </div> <div style="text-align: center; margin-top: 10px;">                 DATE <u>2/2/17</u> </div> | EXECUTED:<br><br><hr/> STATE CONSTRUCTION ENGINEER<br><br><hr/> DATE   |
| <input checked="" type="checkbox"/> APPROVAL RECOMMENDED <b>FHWA</b> <input type="checkbox"/> EXECUTED<br>REGIONAL ADMIN:<br><br>BY: <b>Approved</b><br><b>FOR DIVISION ADMINISTRATOR</b><br><br>DATE <b>BY Lindsey Handl</b> DATE <b>10/12/17</b>   | OTHER APPROVAL WHEN REQUIRED<br><br><div style="text-align: center; font-size: 1.2em; margin-top: 10px;"> <br/>                 SIGNATURE             </div> <div style="text-align: center; margin-top: 10px;">                 DATE <u>9-18-17</u> </div> <hr/> <b>SOUND TRANSIT</b><br>REPRESENTING |

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DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER**

DATE: 04/14/17  
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CONTRACT NO: 008662

CHANGE ORDER NO: 89

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 THE WORK**

The pavement marking Subcontractor is allowed to remove existing pavement markings and replace them using temporary pavement marking paint for edge lines and temporary pavement marking tape for lane lines.

**MATERIALS REQUIREMENTS**

Temporary pavement marking paint, meeting the requirements of Section 8-23.3(2)A, shall be used for temporary edge lines only. Removed lane lines shall be replaced with temporary pavement marking tape as specified in the Contract Provisions for Temporary Pavement Markings.

**CONSTRUCTION REQUIREMENTS**

For each direction of I-90, EB and WB the Contractor shall:

remove edge lines and lane lines down to the pavement surface. The Contractor shall, during the same shift as removals, replace the edge lines with temporary pavement marking paint and the lane lines with temporary pavement marking tape.

When installing permanent markings, the Contractor shall then remove the temporary pavement marking paint by hydro-blasting, and the temporary pavement marking tape by hand removal and install the new permanent pavement markings in their new, permanent configuration.

Temporary pavement marking paint shall be applied in accordance with Section 8-23.3.

Temporary pavement marking tape shall be applied in accordance with Section 8-23.3(2)C.

Removal of pavement markings shall be in accordance with the contract for the material specified.

**MEASUREMENT**

The total Proposal quantity of Bid Item 131, Temporary Pavement Marking-Short Duration, is deleted.

The Proposal quantity of Bid Item 132, Temporary Pavement Marking-Long Duration, is decreased by 120,000 linear feet.

The new Item "CO 89 Temp Paint" shall be measured by the linear foot in

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DEPARTMENT OF TRANSPORTATION  
CHANGE ORDER

DATE: 04/14/17  
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CHANGE ORDER NO: 89

accordance with Section 8-23.4.

**PAYMENT**

Payment for the new Item, "CO 89 Temp Paint", in the amount of \$0.17 per linear foot, shall be for construction, maintaining, and removal of temporary pavement marking paint. This amount includes all markups.

**CONTRACT TIME**

No working days are added to contract time by this change order.

**EXCEPTIONS AND DISCLAIMERS**

By signing this change order, the Contractor agrees that no future claims for time or payment will be made for any temporary pavement marking issue including, but not limited to, additional days of contract time, price adjustment for overruns, and equitable adjustments for underruns.

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CHANGE ORDER**

DATE: 04/14/17  
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| CONTRACT NO: 008662 |          |          |   | CHANGE ORDER NO: 89 |            |                |                |
|---------------------|----------|----------|---|---------------------|------------|----------------|----------------|
| ITEM NO             | GROUP NO | STD ITEM | ITEM DESCRIPTION                          | UNIT MEASURE        | UNIT PRICE | EST QTY CHANGE | EST AMT CHANGE |
| 0131                | 01       | 6895     | TEMPORARY PAVEMENT MARKING-SHORT DURATION | L.F.                | 2.30       | -107,000.00    | -246,100.00    |
| 0131                | 02       | 6895     | TEMPORARY PAVEMENT MARKING-SHORT DURATION | L.F.                | 2.30       | -85,404.00     | -196,429.20    |
| 0131                | 03       | 6895     | TEMPORARY PAVEMENT MARKING-SHORT DURATION | L.F.                | 2.30       | -25,534.00     | -58,728.20     |
| 0131                | 04       | 6895     | TEMPORARY PAVEMENT MARKING-SHORT DURATION | L.F.                | 2.30       | -52,502.00     | -120,754.60    |
| 0132                | 01       | 6896     | TEMPORARY PAVEMENT MARKING-LONG DURATION  | L.F.                | 2.30       | -48,000.00     | -110,400.00    |
| 0132                | 03       | 6896     | TEMPORARY PAVEMENT MARKING-LONG DURATION  | L.F.                | 2.30       | -10,800.00     | -24,840.00     |
| 0132                | 04       | 6896     | TEMPORARY PAVEMENT MARKING-LONG DURATION  | L.F.                | 2.30       | -22,800.00     | -52,440.00     |
| 0132                | 02       | 6896     | TEMPORARY PAVEMENT MARKING-LONG DURATION  | L.F.                | 2.30       | -38,400.00     | -88,320.00     |
| 1085                | 01       |          | CO 89 TEMP PAINT                          | L.F.                | 0.17       | 32,400.00      | 5,508.00       |
| 1085                | 02       |          | CO 89 TEMP PAINT                          | L.F.                | 0.17       | 14,400.00      | 2,448.00       |
| 1085                | 04       |          | CO 89 TEMP PAINT                          | L.F.                | 0.17       | 48,000.00      | 8,160.00       |
| 1085                | 05       |          | CO 89 TEMP PAINT                          | L.F.                | 0.17       | 6,000.00       | 1,020.00       |
| 1085                | 03       |          | CO 89 TEMP PAINT                          | L.F.                | 0.17       | 20,400.00      | 3,468.00       |

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-877,408.00  
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