



## Staff Report – Consent Agenda

September 6, 2022 Council Regular Meeting

\$363,003.42 Selby Bridge Company NE 3<sup>rd</sup> Avenue Bridge Seismic Retrofit Change Order No. 1 (Submitted by James Carothers, Engineering Manager)

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|--------------|---------------------------|
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**BACKGROUND:** Additional work has been added to the scope of the NE 3<sup>rd</sup> Avenue Bridge Seismic Retrofit project.

**SUMMARY:** Construction work beyond the contracted scope has been performed by the contractor, Selby Bridge Company (SBC), and exceeded the awarded bid price by 20 percent. This additional work was necessary to construct the project per the approved plans and was largely due to unforeseen geological conditions and significant differences between the existing conditions depicted in the contract documents and those discovered during construction. Washington State Department of Transportation (WSDOT), by way of a Federal Highway Administration (FHWA) Bridge Grant, has funded 100-percent of the project construction costs to date and has agreed to fund 100-percent of the additional construction changes with the exception of three non-grant eligible item in the amount of \$16,589.37. See items 6, 10 and 22 in the Revised Work Items Table.

The additional work consists of thirty items which have been combined into a single construction change order for simplicity. Cost of this construction change order was calculated by the design and construction management consultant, Harper Houf Peterson Righellis, Inc. (HHPR), and was reviewed by City Staff and WSDOT.

Over half of the total change order cost is due to unforeseen conditions encountered while stabilizing the soil that supports the bridge. These costs were not accounted for in the bid price because the subsurface soil conditions encountered during construction differed significantly from what was observed in preliminary geotechnical investigations.

The following table describes the work and lists the cost of each item.

### Revised Work Items

| Item No. | Description of Work   | Cost         |
|----------|---|--------------|
| 1        | Additional Temporary Project Sign                                     | \$1,350.00   |
| 2        | Lead Based Paint Removal  | \$39,500.00  |
| 3        | Revise Erosion Control Measures                                       | \$4,750.00   |
| 4        | Replace Guardrail Posts   | \$4,000.00   |
| 5        | Replace Washougal River Signs   | \$775.00     |
| 6        | Install New Water Service (Not eligible for WSDOT reimbursement)      | \$9,634.78   |
| 7        | Add Fittings to Bridge Supported Piping                               | \$4,943.50   |
| 8        | Asphalt Pavement Cost Adjustment                                      | \$3,492.08   |
| 9        | Revise Pavement Striping  | \$3,360.00   |
| 10       | Steel Cost Adjustment (Not eligible for WSDOT reimbursement)          | \$2,848.34   |
| 11       | Repair Bridge Deck Expansion Joint                                    | \$1,700.00   |
| 12       | Excavate and Remove Buried Concrete                                   | \$13,823.84  |
| 13       | Modify Steel Bearing Plates to Avoid Rivets                           | \$5,279.83   |
| 14       | Additional Concrete Forming   | \$660.38     |
| 15       | Bend Existing Girder to Allow Welding                                 | \$272.09     |
| 16       | Level Bottom of Concrete Piers  | \$902.61     |
| 17       | Move Restrainer Bracket Due to Conflict with Waterline                | \$1,122.69   |
| 18       | Modify Restrainer Bracket Bolts                                       | \$2,388.05   |
| 19       | Additional Steel Fabrication Costs                                    | \$10,382.33  |
| 20       | Additional Concrete Drilling  | \$9,129.39   |
| 21       | Weld Flanges on Waterline   | \$1,488.85   |
| 22       | Replace Water Valve (Not eligible for WSDOT reimbursement)            | \$4,106.25   |
| 23       | Rebar Modification  | \$874.25     |
| 24       | Additional Concrete Pedestal Blocks                                   | \$2,916.34   |
| 25       | Move Restrainer Bracket Due to Conflict with Sidewalk Support Bracket | \$1,141.06   |
| 26       | Waterproofing at Bearing Pads   | \$2,965.34   |
| 27       | Additional Drilling Due to Unforeseen Geological Conditions           | \$189,691.74 |
| 28       | Cutting and Painting Relocated Restrainer Bracket                     | \$578.76     |
| 29       | Additional Excavation Shoring   | \$9,111.20   |
| 30       | Additional Overhead Costs Due to Schedule Extension                   | \$29,814.72  |

**CHANGE ORDER 1 TOTAL: \$363,003.42**

## **EQUITY CONSIDERATIONS:**

What are the desired results and outcomes for this agenda item?

Formal change order approval from Council on the September 6 Consent Agenda.

What's the data? What does the data tell us?

Not applicable

How have communities been engaged? Are there opportunities to expand engagement?

Not applicable

Who will benefit from, or be burdened by this agenda item?

This item is paid by federal grant funding

What are the strategies to mitigate any unintended consequences?

Daily inspections of construction activities and regular coordination between the contractor, City, and WSDOT.

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact.

No

Will this agenda item improve ADA accessibilities for people with disabilities?

No

What potential hurdles exist in implementing this proposal (include both operational and political)?

None

How will you ensure accountabilities, communicate, and evaluate results?

Daily inspections of construction activities and regular coordination between the contractor, City, and WSDOT.

How does this item support a comprehensive plan goal, policy or other adopted resolution?

This project maintains the transportation system at a level that preserves user safety... and the overall integrity of the system, in accordance with Policy T-1.4 of the 2035 Comprehensive Plan.

**BUDGET IMPACT**

Federal grant funding covers \$346,414.05 of the work with the remaining \$16,589.37 being paid by the street and water funds. This project will be addressed in the Fall Omnibus.

**RECOMMENDATION:**

Staff recommends approval of this change order item on the September 6, 2022 Consent Agenda.