



CITY OF WAUKESHA

Administration

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Committee: Board of Public Works	Date: 6/4/2020
Common Council Item Number: ID #20-0651	6/16/2020
Submitted By: Fred Abadi, Director of Public Works	City Administrator Approval: Kevin Lahner, City Administrator KL
Finance Department Review: Diane Gard, Finance Director	City Attorney's Office Review: Brian Running, City Attorney BER
Subject: Review and act on Contract Change Order No. 1 with State Contractors, Inc., for the Barstow Street and Riverfront Street Utility and Street Improvements project.	

Details:

This Contract Change Order explains additional work to be completed by State Contractors, Inc.:

As part of the overall project work, the existing Barstow St. Bridge over the Fox River (B-67-039) was to be rehabilitated with a new concrete deck overlay, sidewalk rehabilitation, and minor substructure rehabilitation work. Immediately after the start of the rehabilitation work on the existing concrete deck, it was discovered that the overall condition of the existing bridge deck was worse than expected. The depth of the deck removal was required to be increased in order to remove all unsound concrete from the previous deck overlay in 1988. Once the additional depth was removed, more poor/failed areas of the bridge deck were discovered within the reinforced section of the deck which required increased areas of Type 1 and Type 2 preparations than originally envisioned for the scope of the rehabilitation work. Spot areas were found on the bridge deck that also required a full depth repair of the area. After the discovery of the condition of the existing bridge deck, it was also observed that multiple concrete girders showed cracking at the south end of the structure. It was recommended by the structural engineer that provided the rehabilitation plans to utilize an epoxy injection method to seal the cracks before further deterioration could occur. Overall the existing condition of the structure was worse than could be seen by routine inspections, and additional unit bid quantities, as well as, extra work items were required to be utilized to create a safe and complete rehabilitation as part of the Barstow Street and Riverfront St. project.

Additional Bridge Rehabilitation Items:

- Increase of quantity for Bid Item #94 – Preparation Decks Type 1, WisDOT 509.0351

Description: Additional areas of the bridge deck were required to be prepared for concrete replacement to a depth within the reinforced area of the bridge deck consistent with WisDOT's Type 1 definition.

107 SY @ \$230.00/SY \$ 24,610.00



2.	<u>Increase of quantity for Bid Item #95– Preparation Decks Type 2, WisDOT 509.0352</u>	
	Description: Additional areas of the bridge deck were required to be prepared for concrete replacement to a depth within the reinforced area of the bridge deck consistent with WisDOT’s Type 2 definition.	
	50.39 SY @ \$290.00/SY.....	<u>\$ 14,613.10</u>
3.	<u>Increase of quantity for Bid Item #99– Concrete Masonry Overlay Decks, WisDOT 509.2500</u>	
	Description: The increase in Type 1 and Type 2 deck preparation areas, and the additional deck surface depth removed to locate sound concrete for the overall to bond to lead to additional volume of concrete for the deck overlay.	
	16.9 CY @ \$2,000.00/CY	<u>\$ 33,800.00</u>
4.	<u>Extra No. 1 Full Depth Deck Repair</u>	
	Description: Multiple areas of the existing concrete deck had complete failure of the existing concrete and required a full depth repair of the existing deck at these locations.	
	2.2 SY @ \$1,552.50/SY.....	<u>\$ 3,415.50</u>
5.	<u>Extra No. 2 Epoxy Crack Injection</u>	
	Description: Cracking was discovered on the existing concrete girders, on the south end of the structure. The recommended rehabilitation method to prevent further deterioration was epoxy crack injection.	
	70 LF @ \$139.15/LF.....	<u>\$ 9,740.50</u>
	Subtotal	\$ 86,179.10
	Total Amount of this Change Order	\$ 86,179.10

Options & Alternatives:

There were no other feasible alternatives. The work was time sensitive and must be completed with this contract.

Financial Remarks:

Original Contract: \$7,222,222.22 (PO #200131)

Contract prior to this Change Order: \$7,222,222.22

Account 0066-68290 for Bridge Rehabilitation\$86,179.10

Contract Change Order No. 1: \$86,179.10

Total Contract Amount after Change Order No. 1 = \$7,308,401.32

Executive Recommendation:

Recommend approval of Contract Change Order No. 1 with State Contractors, Inc., for the Barstow Street and Riverfront Street Utility and Street Improvements project.