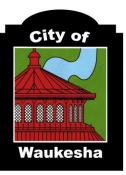
CITY OF WAUKESHA



Committee :	Date:
Board of Public Works	6/4/2020
Common Council Item Number: ID #20-0702	6/16/2020
Submitted By:	City Administrator Approval:
Fred Abadi, Director of Public Works	Kevin Lahner, City Administrator KL
Finance Department Review:	City Attorney's Office Review:
Diane Gard, Finance Director	Brian Running, City Attorney BER

Subject:

Review and Act on Amending the 2020 CIP Budget for Contract Change Order No. 1 with State Contractors, Inc., for the Barstow Street and Riverfront Street Utility and Street Improvements project in the amount of \$90,000.00.

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, 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:

1.	Increase of quantity for Bid Item #94 – Preparation Decks Type 1, WisDOT	
	<u>509.0351</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 1 definition.	
	107 SY @ \$230.00/SY	<u>\$ 24,610.00</u>



2. Increase of quantity for Bid Item #95– Preparation Decks Type 2, WisDOT			
509.0352			
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>		
 Increase of quantity for Bid Item #99– Concrete Masonry Overlay Decks, WisDOT 509.2500 			
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>		
 Extra No. 1 Full Depth Deck Repair 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>		
 <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. To LF @ \$139.15/LF. 	\$ 9.740.50		
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

Contract Change Order No. 1: \$86,179.10 Total Contract Amount after Change Order No. 1 = \$7,308,401.32

Amendment No. 1 includes \$86,179.10 Change Order No. 1 and, \$3,820.90 for Engineering Inspections Services

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.