



**City of Missoula, Montana
City Council Committee Agenda Item**

Committee: Climate, Conservation and Parks

Item: Referral – Change Order for Northside Bridge Engineering Services

Date: September 14, 2022

Sponsor(s): David Selvage

Prepared by: David Selvage

Ward(s) Affected:

<input checked="" type="checkbox"/> Ward 1	<input type="checkbox"/> Ward 4
<input type="checkbox"/> Ward 2	<input type="checkbox"/> Ward 5
<input type="checkbox"/> Ward 3	<input type="checkbox"/> Ward 6
<input type="checkbox"/> All Wards	<input type="checkbox"/> N/A

Action Required:

Approve a contract change order with HDR Engineering, Inc., in the amount of \$170,943.12 to expand scope of engineering services for design and renovation of Northside Pedestrian Bridge and authorize the Mayor to sign.

Recommended Motion(s):

I move the City Council: Approve a contract change order with HDR Engineering, Inc., in the amount of \$170,943.12 to expand scope of engineering services for design and renovation of Northside Pedestrian Bridge and authorize the Mayor to sign.

Timeline:

Committee discussion:	9/21/2022
Council action (or sets hearing):	9/26/2022
Public Hearing (if required):	Click or tap here to enter text.
Final Consideration	Click or tap here to enter text.
Deadline:	Click or tap here to enter text.

Background and Alternatives Explored:

In fiscal year 2021, the Mayor and Council approved a capital project to renovate the Northside Pedestrian Bridge’s access ramps due to deterioration of the deck pans. The City entered into a professional services agreement with HDR Engineers in July of 2020 to provide for necessary engineering investigations and design of the deck replacement project. Project plans were finalized and set to bid in November of 2021; however, a re-inspection of the bridge by HDR revealed structural concerns from cracked masonry blocks in both access towers. The cracking had not been mentioned in prior inspections but has become quite noticeable. In the meantime, deterioration of the deck pans appears to be accelerating.

HDR has supplied a temporary shoring plan for the most concerning areas of pan deterioration. Quotes from welding and fabrication contractors are being requested to maintain safe use of the structures. The bridge is being inspected daily by staff.

HDR’s preliminary assessment indicates the masonry concerns may be related to poor drainage, use of de-icing salt and overpainting of graffiti. This change order provides for additional testing

of the masonry to check the condition and select an appropriate repair method. If the masonry is in reasonable condition and can be repaired, the work will need to be done in conjunction with replacement of the decks and pans. If the masonry is in poor condition and cannot be repaired, the question will be about replacing the entire structure.

HDR has prepared two change order proposals – one to complete investigation of masonry concerns and prepare related stamped plans and specifications. The other covers project management and inspections. The nature of the bridge repair work merits use of a qualified engineering firm for project management and inspection services.

Financial Implications:

The Northside Bridge renovation project is a funded capital project budgeted at \$890K. The masonry concerns are expected to increase the total cost of the bridge renovation project – but by how much cannot be determined at this time. The current bid environment for heavy construction and materials continues to be a challenge and as such staff anticipate there is potential need for a budget amendment to fully fund the project.

Links to external websites:

None