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10th Street Bridge over Otter Creek.

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Presentation to City Council

Iowa DOT Coordination

- The \$1.5 million awarded as urban bridge funding can be used for construction costs.
- Project will need to follow federal requirements and be bid through the Iowa Department of Transportation (Iowa DOT).



Background

The existing bridge is 24 feet wide and 150 feet long. The existing bridge has 1.8' of backwater. The proposed bridge can only cause 1' of backwater in order to obtain the Iowa Department of Natural Resources (Iowa DNR) floodplain permit that is needed. The existing bridge causes more than 1' of backwater, which is why the proposed bridge needs to be longer than the existing.

Design Elements

- The attached plans show the proposed bridge and amount of roadway reconstruction. The proposed bridge is 239' long, 32' wide with an 8' sidewalk which sets up the structure to be in accordance with the trail plan. Proposing a metal railing similar to the railing on the North Frederick Bridge.
- Decide color of metal railing (green is similar to the North Frederick Bridge)
- Traffic will be detoured during construction.

Estimate of Probable Construction Cost

Please be aware that construction costs are subject to factors such as supply and demand, inflation and availability of labor which are beyond the control of the Engineer. The Engineer cannot, therefore, guarantee the accuracy of estimates of construction costs.

- New bridge, roadway and grading (2025 construction): \$2,500,000

Decisions Needed

- Acceptance of design as proposed to allow Iowa DNR permit submittal
- Color of railing

Project Schedule & tasks

- Iowa DNR Permit submittal (June 2024)

PROJECT UPDATE

- Iowa DNR permit review (approximately 3 months)
- Environmental Clearance needs to be obtained from the Iowa DOT before final plans can be submitted.
- Temporary construction easements acquired from property owners (prior to 1/21/2025)
- Utility coordination: ongoing
- Geotechnical investigation: prior to June 1, 2024
- Preliminary Plan submittal to Iowa DOT: June 2024
- Submit plans to Iowa DOT for review: December 3, 2024
- Public Hearing on Plans and Specifications: TBD council meeting
- Final Plan submittal to Iowa DOT for bidding: January 21, 2025
- Bid Letting through Iowa DOT: April 18, 2025
- Construction 2025 or 2026