

Office of the City Engineer

John C. Rooney, P.E.

Assistant Commissioner of Public Works/
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April 21, 2014

Legistar Item: 14-10060

To: Jim Kaplan, Chairman
Public Works and Services Committee

From: John Rooney *JCR*
Assistant Commissioner of Public Works/City Engineer

Re: State/Municipal Agreement for the West 6th Street Bridge Project,
State Project ID: 2703-00-02 (Design)

We have received a State/Municipal Agreement for the West 6th Street Bridge Project, State Project ID: 2703-00-02 (Design).

The West 6th Street Bridge (P-51-0709) is classified as structurally deficient with a sufficiency rating of 24.6. It is on the 2013 NBI list and has NBI ratings of 5 for the bridge deck and 3 for the superstructure and structural evaluation. The bridge measures 161 ft. long and 46 ft. wide with two spans. The bridge, built in 1929, is a potentially historic concrete spandrel arch bridge which passes over the Root River and South Horlick Drive.

Due to its age and condition, the bridge has reached the end of its useful life and requires replacement. Concrete spalling, which has exposed reinforcing material, is observed in multiple locations; spandrel bent columns, piers, and abutments. Pier settling has been observed in previous inspections. Sidewalk and bicycle/pedestrian facilities are present as part of the regional system.

The proposed work is to replace the bridge with a new bridge on the existing alignment. The new bridge dimensions will be 161 ft. long and 46 ft. wide with two spans. Approach work will include 100 ft. of 46 ft. wide concrete pavement and concrete shoulders on both the east and west approaches. Five foot wide sidewalks will be constructed on both sides of the bridge. Additional work will include lighting and bridge rail improvements. An exception to standards may be required for vertical clearance over South Horlick Drive.

The estimated cost of the engineering design and review for this project is \$491,660.00, with the City's share being \$98,332.00, or 20%, and the State's share being \$393,328.00, or 80%. Funding for the City share will be provided for in the 2015-2024 Capital Improvement Program budget.

If the Committee agrees, the appropriate action would be to approve the agreement and authorize the City Engineer to enter into the agreement.

JCR:njp

Cc: Joy Hansche
File