

**Office of the City Engineer**

**John C. Rooney, P.E.**

Assistant Commissioner of Public Works/  
City Engineer



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Legistar Item: 13-8991

To: Alderman Q.A. Shakoor, Chairman  
Finance and Personnel Committee

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

Re: W. 6<sup>th</sup> Street Bridge – WisDOT 2013-2018 Local Bridge Program Application

We are requesting authorization to apply for the WisDOT 2013-2018 Local Bridge Program Application for the W. 6<sup>th</sup> Street Bridge.

The existing W. 6<sup>th</sup> Street Bridge is structurally deficient. The spandrel bent columns are in poor condition, with severe concrete spalling and deterioration in several locations. Steel reinforcement of the columns is exposed with significant section loss. There is extensive spalling of concrete at the pier and abutment walls. Settlement of the pier is observed in previous inspections. The structure is 84 years old and has reached the end of its useful life.

In addition, the bridge is functionally obsolete because of substandard vertical and horizontal clearance for Horlick Drive below the bridge. Bridge replacement is required to address these clearance issues on Horlick Drive and bring them to current standards. The vertical profile and horizontal alignment of Horlick Drive may be adjusted near the bridge to meet clearance requirements, if feasible.

The estimated cost of this bridge design and replacement is \$4,651,860 with the WisDOT share of \$3,797,128 and the City share of \$854,732. Funding will be provided for in the 2014-2023 CIP.

If the Committee agrees, the appropriate action would be to authorize the City Engineer to sign and submit the application.