



City of Racine, Wisconsin
AGENDA BRIEFING MEMORADUM

AGENDA DATE:	January 4 , 2018 - Redevelopment Authority January 17, 2018 – Common Council January 22, 2018 – Finance and Personnel Committee February 6, 2018 – Common Council
SUBJECT:	Item # 1271-17 -- Harborside Sewerage Force Main and Lift Station
PREPARED BY:	Keith Haas, General Manager, Racine Wastewater Utility Amy Connolly, Director of City Development
SUMMARY:	<p>The Racine Wastewater Utility seeks tax increment funding through TID 14 to design and install a sewage lift station and force main to support the redevelopment of the Walker/Harborside site. The force main project on Hamilton should be installed BEFORE the Hwy 32 WISDOT reconstruction project in Spring 2018. Additionally, more force main infrastructure and a sewage lift station needs to be designed in coordination with future development proposals.</p>
PROJECT BACKGROUND & ANALYSIS:	<p>The Racine Wastewater Utility recognized capacity issues in the sewage interceptor system in the past 30 years at the intersection of Michigan Boulevard and Dodge Street. When the sanitary sewer system is overwhelmed there is a tendency for sewage to spill out of a manhole lid at the Chartroom restaurant parking lot on occasion. This situation was model studied in the late 1990's and early 2000.</p> <p>Currently, there is no sewage capacity in Michigan Boulevard for a development on the Harborside site or surrounding neighborhood, which is currently a desirable redevelopment site. In 2007, during the Pointe Blue Project investigation, the Racine Wastewater Utility commissioned the design and analysis of the sizing of a new sewage lift station for a neighborhood development on the current Harborside site. The sewage will need to be pumped about 1000 feet west of the intersection of Hamilton and Michigan Boulevard to a location in the interceptor system where sewage capacity exists. This location is a manhole at the intersection of Wisconsin and Hamilton. The sewage would also need to enter this manhole with an outside drop. An outside drop requires excavation around the outside of the manhole and the installation of a vertical pipe on the outside of the manhole and then it makes an entry into the manhole near the bottom of the manhole.</p> <p>The State Department of Transportation (DOT) will be rebuilding Douglas Avenue and Hamilton Street (west of Main) in 2018. Assuming that a redevelopment of the Harborside site may be moving forward in the next 5 years, it is very important that a section of force main (270 feet) be installed between Main Street and Wisconsin Avenue on Hamilton as well as the outside drop in the manhole at Wisconsin and Hamilton prior to May 2018. The Wastewater Commission had historically included a TID funded sewage lift station for Harborside in its capital budget for several years in anticipation of a future development here. It last appeared in the Commission's 2016 Five-Year CIP for an anticipated start in 2017.</p>

City Engineer John Rooney can confirm the need to expedite the installation of this force main. The remainder of the force main in Hamilton may be installed when and if a developer moves forward with a project on the Harborside site.

The Wastewater Utility would facilitate the design drawings and expedited bidding for this work.

The force main work could likely be installed in a two-week time period weather permitting. The City purchasing agent could solicit bids for this small project as well. The Utility could also entertain proposals for the work from contractors already under contract that are familiar with this type of work. The Wastewater Utility has requested a ballpark price estimate from a contractor familiar with this type of work that is also familiar with working on Hamilton Street last year for the Water Utility. The price estimate is in the neighborhood of \$100,000.

The Wastewater Commission and Utility will need direction on whether the City desires to move forward with this project ahead of the State Highway 32 work in 2018. Mr. Rooney has stated that the schedule calls for the contractor for the DOT to start at Hamilton and Main in Spring of 2018. Due to the time limitations on this project, staff suggests that public bidding be waived as it is in the best interest of the public and Highway 32 construction project.

RECOMMENDED ACTION:

Force Main: Direct Wastewater utility staff to begin design drawings, expedited bidding, and installation of the force main work in Hamilton Street, ahead of the DOT project this spring, using TID 14 Funding (estimate: \$100,000). Direct Wastewater utility staff to finalize force main planning and drawings for the remainder of Hamilton Street to support the redevelopment of the Harborside site.

Lift Station: Direct Wastewater utility staff to begin the remaining wastewater and lift station design for a future Harborside redevelopment, once a developer comes forward, using TID14 funding for this work.

FISCAL NOTE:

Force Main: The Wastewater Utility has requested a price estimate from a contractor familiar with force main work. The price estimate is in the neighborhood of \$100,000 for drawings and installation of this small area on Hamilton between Main and Wisconsin. Funding would come from TID14. We expect to have cost estimates for additional force main planning and drawings within the week.

Lift Station: The 2016 Wastewater CIP showed a cost of \$1.2 million of TID funding in 2017 for the proposed future Lift Station. The cost will be refined upon final design of the lift station. If and when a developer comes forward the lift station design would be finalized.

