




Mark Byrne  
Interim DPW Commissioner

Ting Chang, P.E.  
City Engineer

## MEMORANDUM

**TO:** Thomas A. Golden, Jr., City Manager 

**FROM:** Ting Chang, City Engineer

**CC:** Mark Byrne, Interim DPW Commissioner

**DATE:** September 27, 2022

**SUBJECT: MOTION RESPONSE: August 9, 2022 Motion was made by Councilor Gitschier** – Request City Manager Updated The City Council On The Maintenance Plan For the Aiken Street Bridge

*Aiken Street Bridge was built in 1883 as open grid bridge, in 1998 the bridge deck was filled with concrete topped with 3/8" of epoxy-urethane wearing course. The epoxy-urethane wearing course started peeling a year after the installation. Multiple attempts to repair the wearing course in the past such as mirco-surfacing was tried on the bridge deck without great success.*

*The latest bridge inspection report provided by MassDOT indicate the bridge deck is rated 7 in good conditions with an exception of the wearing surface is rate 4 in poor conditions. Superstructure is rated 5 in fair conditions and substructure is rated 6 in satisfactory conditions.*

*There's no maintenance plan in place for the bridge, Engineering Department recommends hiring an on-call bridge/structural consultant to assist with bridge maintenance plan, provide recommendation for any necessary repair for bridge within the city. Consultant will also assist with any structural issue related to culvert or ramps. With an on-call consultant on board, city will be able to response and address an emergency situation in more rapid manner. Engineering department requesting a \$200,000 annual fund to allocate for this on call service.*

*In coordinate with Wastewater Department, they will start cleaning the trench drain along the edge of the bridge deck on Saturday, 10/24/2022 with vaccum truck.*