

August 31, 2022

Mr. Derek Thiel
Township Manager/DPS Director
9601 Groh Road
Grosse Ile, Michigan 48138

**Re: Bridge Work Recommendations
Grosse Ile Parkway over Trenton Channel**

Dear Mr. Thiel:

Below is a list of work recommendations that should be performed on the Grosse Ile Bridge over the Trenton Channel. The work recommendations are listed in order of importance, and are based on our judgement and experience, on the most current Bridge Safety Inspection Report dated 6/30/2022 and on other available inspection documents for this bridge.

- Clean the steel superstructure on the approach spans and the moveable span. Perform a detailed inspection to determine the extent of the steel superstructure repairs.
- Perform a detailed mechanical and electrical inspection of the moveable span to determine the extent of repair work.
- Repair approach span girders, lateral bracing, and stringer and floor beam connections.
- Repair the moveable span floor system, steel grid deck, and truss members.
- Paint the approach span and moveable span steel superstructure members.
- Repair or replace the corroded members at the approach span bearings.
- Repair, upgrade, or replace the moveable span operating machinery, electrical equipment, and other components as required.
- Repair spalls, delamination, and cracking at all piers.

Please call if you have any questions.

Sincerely,



Cliff Elling, PE
Structural Engineer



Christopher M. Zangara, P.E.
Vice President / Sr. Associate