



Public Works Agenda Item

Meeting Date: September 10, 2019

Agenda Item: 5d. Starin Road box culvert

Staff Contact (name, email, phone): Brad Marquardt, bmarquardt@whitewater-wi.gov, 262-473-0139

BACKGROUND

(Enter the who, what when, where, why)

The box culvert under Starin Road from Park Street east to the outfall was installed approximately 25 years ago. Since that time Starin Road has settled over the top of the box culvert. This stretch of Starin Road has been repaved once already and still has continuing settling. The settling is a result of the concrete joints not being sealed at the time of the installation. When the box culvert surcharges, it pushes water out of the joints into the surrounding soil. When the water reenters the box culvert it brings with it sediment from the surrounding soil. The resulting voids creates the surface settling.

To solve this situation we would like to pump grout from the inside of the pipe through the joints effectively sealing the joints on the outside. Grout would also be pumped from the inside through the pipe to fill voids in the surrounding material around the pipe.

PREVIOUS ACTIONS – COMMITTEE RECOMMENDATIONS

(Dates, committees, action taken)

N/A

FINANCIAL IMPACT

(If none, state N/A)

This item was not budgeted for in 2019. However, there is cash available in the stormwater utility account to cover the estimated \$130,000 project.

STAFF RECOMMENDATION

Staff is looking for approval from the committee to proceed with getting quotes for the work since the project was not identified in the 2019 budget. If authorized, quotes will be brought back to the Committee at the October meeting for approval.

ATTACHMENT(S) INCLUDED

(If none, state N/A)

1. N/A