



CITY OF MANITOWOC

WISCONSIN, USA

www.manitowoc.org

MEMO

TO: Public Infrastructure Committee
FROM: Greg Minikel, PE, Engineering Division Manager
DATE: March 31, 2023
RE: CTH R at Conroe St. – Quote to Repair 36 inch Culvert Crossing

Members of the Public Infrastructure Committee:

The existing 36-inch storm culvert pipe (corrugated metal pipe) crossing N. Rapids Rd. at Conroe St. is in poor condition and significant portions of the pipe are rusted out at the water line and bottom of the pipe. This was previously brought to our attention by former County Highway Commission Mark Holsen in 2018. The City received quotes to reline the pipe at that time, but we were unable to fund the project in 2018.

The current County Highway Commissioner, Greg Grotegut, has brought this concern to light again and he has received a quote from Subsurface, Inc. out of Minnesota for relining the culvert pipe at a total cost of \$62,856 and he is willing to split the cost with the City 50/50. The City's share would be \$31,428. This culvert does serve City land as well as some existing City storm sewer along the curblin on N. Rapids Rd.

If the culvert fails it could cause undermining and failure of the pavement. Once that happens, relining is no longer an option and it must be dug up to repair. This would mean lane closures or possibly a complete closure of N. Rapids Rd. in order to repair the pipe. The cost for this repair work would likely surpass the proposed cost to reline the entire pipe.

We are recommending the PI Committee approve this request and recommend having CAWG and the Finance Committee approve the request as well and find the funding to fix this problem before it becomes a true emergency.