



GOODHUE COUNTY MINNESOTA

TO EFFECTIVELY PROMOTE THE SAFETY, HEALTH, AND WELL-BEING OF OUR RESIDENTS

BOARD OF COMMISSIONERS AGENDA

COUNTY BOARD ROOM
GOVERNMENT CENTER, RED WING

MARCH 23, 2022
9:00 A.M.
EMERGENCY MEETING

VIRTUAL MEETING NOTICE

Due to concerns surrounding the spread of COVID-19, it has been determined that in-person meetings or meetings conducted under Minn. Stat. 13D.02 a are not practical or prudent. Therefore, meetings that are governed by the Open Meeting Law will temporarily be conducted by telephone or other electronic means pursuant to Minn. Stat. 13D.021.

The Goodhue County Board of Commissioners will be conducting an emergency county board meeting to discuss the need for emergency repairs without bids of county bridge L0463 located on County Road 11, Roscoe Township, on March 23, 2022 at 9:00 a.m. in the County Board Room. The County Administrator and/or County Attorney will be present at the meeting location. All County Commissioners attending will appear by telephone or other electronic means. The public may monitor the meeting from a remote site by logging into <https://global.gotomeeting.com/join/542215653> or calling 1 866 899 4679 OR 1 571 317 3116 any time during the meeting. Access Code: 542-215-653

Public Works Director's Report

1. Emergency Repair of Bridge #L0463.

Documents:

[Emergency Action to Repair Br L0463.pdf](#)

2. Bridge L0463 Slide Show

Documents:

[L0463 Slide Show.pdf](#)



Greg Isakson, P.E.
Public Works Director/County Engineer
Goodhue County Public Works Department

2140 Pioneer Road
Red Wing, MN 55066
Office (651) 385-3025

TO: Honorable County Commissioners
Scott Arneson, County Administrator

FROM: Greg Isakson, Public Works Director

RE: 23 Mar 22 Emergency County Board Meeting
Emergency Repairs to Br. L0463

Date: 22 Mar 22

Summary

It is requested that the County Board declare an emergency situation for the repair of Bridge L0463, authorize temporary emergency work to Bridge L0463, and allow Public Works to order the pipe and aprons for a replacement bridge.

Background

Bridge L0463 is a very old poured in place concrete culvert located on CSAH 11 just east of Branch Trail in Roscoe Township. County staff noted in past inspections that the concrete curbs were deteriorating and the metal guard rails attached to those curbs were beginning to lean out due to the deterioration of those curbs. Last fall we installed portable jersey barricades inside these metal guard rails since they were not providing protection for the traveling public.

This spring it was noted that the jersey barricades were also beginning to lean out, indicating that edges of the pavement were beginning to sluff off due the continued deterioration of the concrete curbs. This past weekend, the south curb failed and the metal guard rails ended up in the water. County staff mobilized on Sunday and moved the jersey barricades towards the middle of the bridge, thus reducing the travel width down to about 16 feet and resulting in a 'stop and take turns' traffic condition. This temporary traffic control is not appropriate for a highway with a traffic volume over 800 vehicles per day.

Last year, staff began the bridge replacement process by having a hydraulic analysis performed to determine the size of the replacement structure. Therefore, the appropriate pipe and aprons can be ordered.

Alternatives

- A. Close the bridge and detour traffic to CSAH 27. The current 'stop and take turns' traffic control in place today is not appropriate for the traffic volume. Without taking emergency actions, the bridge will be closed for approximately one year. CSAH 11 is a major collector

with average traffic of over 800 vehicles per day, including trucks from a nearby pit. The detour (from the west side of the bridge) would be west to CSAH 27 for approximately 8 miles to CSAH 62 (Main St. in Pine Island), north to CSAH 11, and approximately 4 miles back to the bridge. As happens often, local traffic will use and put additional stress on Roscoe Township roads.

As an alternative to a year long detour, the County Board can consider MS 375.22:

MS 375.22 REPAIRS WITHOUT BIDS IN EMERGENCY

*Subdivions 1. **Procurement.** In case of an emergency arising from breakage, damage, or decay in county property that cannot be allowed to wait for the time required to advertise for bids, repairs may be made without advertising for bids if the work is authorized by a majority of the board of county commissioners, and the action is ratified and recorded in the official proceedings of the board at its next meeting.*

- B. Hire a contractor to make a temporary emergency repair to the structure to allow the resumption of two-lane traffic; utilize the normal procurement process to hire a contractor to purchase the materials and install the new pipe and aprons.

Staff has contacted ICON contractors, who have installed many bridges and culverts in Goodhue County. They are working on the TH 52 Regrading project, have equipment and crew in the County, and are readily available to do this work. The County could hire ICON to replace the decayed bridge rails so the road can be reopened to two lane traffic. After a short detour during their work, no other detours would be required until the new pipe and aprons are manufactured and delivered. Staff is working out the details of the temporary repair as of this writing, but do not have an estimated cost for this work. It is anticipated that this work will be less than \$100,000.

If the County uses normal procurement procedures to purchase the pipe and aprons, they will not be ordered this week, and they will not be delivered until next spring. Under this option, the full replacement project would be pushed back to next spring (at the earliest). That would require the temporary emergency repairs completed this spring will need to be in-place until that project is completed. Since this will be a temporary repair, their use should be limited as much as possible. Also, the remainder of this old culvert, which has proven that its concrete has decayed, would also stay in-service until next spring.

- C. Hire ICON as mentioned above to make a temporary emergency repair to the structure, allowing the resumption of two-lane traffic; and authorize Public Works to order the pipe and aprons yet this week so they can be delivered and installed yet this fall.

Staff has requested quotes from the three concrete pipe manufacturers who produce MnDOT certified pipe. Two of these manufacturers replied with a quote and indicated that as of now, they can deliver the pipe and aprons yet this fall.

- Forterra quoted \$280,240.00 for the pipe and aprons with delivery in the first week of October.
- Hancock quoted \$300,056.80 for the pipe and aprons with delivery in mid to late October.

The final step of this process will be to hire a contractor to install these 'County Furnished' materials, and complete all the other aspects of a typical bridge replacement project. Assuming the pipe and aprons will not be delivered until September at the soonest, there is plenty of time to prepare the contract documents, advertise and award this installation contract per normal County contracting procedures.

Recommendations

A year would be a long time to detour a major collector with an average of 800 vehicles per day. Also, this will put a lot of additional trips on the local township road system.

Putting off the replacement of this deteriorated concrete bridge until next spring will require that the temporary emergency repairs completed this spring will need to be in-place and used longer than is necessary. Also, the remainder of this old culvert, which has proven that its concrete has decayed, would also stay in-service for an additional six months or so.

Therefore, Staff is recommending that the County Board declare an emergency situation to repair this bridge as soon as possible and, under the authority granted in MS 375.22, authorize Public Works to hire a contractor to complete the temporary emergency repair and to order the pipe and aprons from Forterra based on their low quote of \$280,240.00.

CSAH 11: Bridge L0463

Goodhue County





















