



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**

**JUNE 22, 2021
1:00 P.M.
SPECIAL SESSION**

PLEDGE OF ALLEGIANCE

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 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 a special session county board meeting pursuant to this section on June 22, 2021 at 1:00 p.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/710136045> or calling 1 877 309 2073 OR 1 646 749 3129 any time during the meeting. Access Code: 710-136-045

County Surveyors Report

1. County Ditch 1 - 20th Ave Culvert

Documents:

[Ditch1-20thAveCulvert.pdf](#)

ADJOURN

Goodhue County Land Use Management

Goodhue County Government Center | 509 West Fifth Street | Red Wing, Minnesota 55066



Building | Planning | Zoning
Telephone: 651.385.3104
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Environmental Health | Land Surveying | GIS
Telephone: 651.385.3223
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TO: Goodhue County Board of Commissioners
FROM: Lisa M. Hanni, LUM Director / County Surveyor / County Recorder
DATE: June 22, 2021 Special County Board meeting

RE: 20th Avenue Culvert replacement

Summary:

A decision must be made as to whether the culvert is replaced according to the approved engineered plans and the subsequent contractor bid, or if a change order should be made to re-use the existing railroad culvert.

Background:

Although the Board gave the authority to the engineer and myself to make certain change orders, this topic has had a lot of discussion and we felt it would be best if the Board make the decision on this item. Please see Mr. Otterness's attached memo.

Timing is critical on this decision in regards to the logistics of the new pipe and the rest of the construction project.

Recommendation:

The Board has two options:

- 1) Continue with the currently approved plans to replace the 20th Avenue culvert with the aluminized steel pipe

OR

- 2) Approve a change order to re-use the existing railroad culvert

Technical Memorandum

To: Lisa Hanni, L.S.
Goodhue County

From: Chris Otterness, P.E.
Houston Engineering, Inc.

Subject: CD 1 Repair
Quote for 20th Ave. Salvage and Reinstall

Date: June 18, 2021

Project: R006400-0004

At the preconstruction meeting on June 15, 2021, Goodhue County Commissioner Todd Greseth and the Kenyon Township Board requested DeCook Excavating to prepare a quote for a change order to the County Ditch 1 Repair Project contract to salvage and reinstall the existing 10-foot diameter corrugated steel pipe (CSP) under 20th Avenue, in lieu of replacement of the culvert with a 6-foot diameter pipe with aprons. DeCook Excavating provided the requested quote on June 17, 2021 (attached). The following is a summary of the contractual effect of the change order, if ordered:

Current contracted cost of 20 th Ave. replacement (Includes pipe, aprons, and disposal)	\$36,379.70
Alternative: Salvage and reinstall existing culvert (Includes restocking fee)	\$25,322.96
Reduction in total contract amount (if ordered)	\$11,056.74

It is important to note that DeCook Excavating's quote does not warranty the structural integrity of the current pipe if salvaged and reinstalled. The change order would exclude DeCook Excavating from liability for damages caused during the salvage and reinstall process. Inevitably, there will almost certainly be some damage to the steel surface during this process. (For this reason, corrugated metal pipes are rarely salvaged and reinstalled for publicly bid projects that are warrantied and bonded).

There are several risks associated with the salvage and reinstall options:

- The current culvert has a much shorter anticipated lifespan than replacement with a new culvert. Although the existing culvert is a heavier gauge steel and does not exhibit widespread surface rusting on its visible portions, we understand the pipe is over 25-years old and has already been salvaged and reinstalled once. Surface pitting is visible on the pipe interior, and the exterior condition of the pipe is

unknown. Exposing the pipe exterior during salvage and reinstallation process will likely accelerate deterioration of the pipe.

- It is possible that once unearthed, the pipe may be deemed unsuitable for reinstallation. If this occurs, then a change order will be required to revert to the currently contracted new pipe. Lead time on pipes of this diameter are currently about 4 weeks, during which time 20th Ave. would need to be closed. In addition to the currently contracted costs, the project would incur additional costs for restocking of pipe, salvaging costs, and traffic control.
- The current culvert does not have aprons and is shorter than the proposed 6-foot diameter replacement culvert. Because of this, the road embankment to the culvert ends is steep and susceptible to scour. Salvaging and reinstalling this culvert will not only leave this issue unresolved, but it will also make the slopes incrementally steeper. Replacing with a new pipe with aprons will decrease bank erosion and scour, thereby decreasing long-term maintenance. Reducing the steepness of the embankment will also improve the safety of this roadway and crossing.
- As noted above, DeCook Excavating cannot warranty the integrity of the reinstalled pipe. All other project components, including the currently contracted replacement culvert for 20th Ave., are subject to a 3-year warranty under the contract.

Although the salvage and reinstall option may potentially decrease the short-term cost of the project, the long-term cost to the Township and benefitting landowners will ultimately increase due to the reduced pipe life and increased maintenance costs. Because of these long-term costs and the added risks associated with the proposed contract amendment, we do not recommend proceeding with the change order to salvage and reinstall the 20th Avenue culvert.



June 17, 2021

To Whom it may Concern

Change Order

Township Road 210th Ave Road Crossing Bid to reuse and reset current pipe in road.

Current Bid of Line Item 8 removal and disposal of in place culvert is \$2,616 for 210th Ave Road Culvert.

Current Bid of Line Item 9 72" 14 GA Helical Aluminized Type 11 5x1 Corrugated Steel Pipe is \$28,763.70 for 210th Ave Road Culvert.

Current Bid of Line Item 10 72" Culvert Aprons is \$5,000 for 210th Ave Road Culvert

Change Order Substitute

Substitute Line Item 8 removal and disposal of in place culvert is \$1,133.60 (This is for the field crossing)

Substitute Line Item 9 72" 14 GA Helical Aluminized Type 11 5x1 Corrugated Steel in field crossing would be \$10,683.66

Substitute Line Item 10 72" Culvert Aprons would be \$0 (No aprons in field crossing)

Added Change Order Line Items

Item 17 Reusing and resetting of current pipe in place in Township Rd 210th Ave would be \$21,868.96 By using and resetting existing pipe there will be no warranties or liabilities on the structural integrity of the current pipe this includes any damage occurred during removal and during the resetting process. Restocking cost of the new outlet that is ordered will be \$3,454.00.

Thank you

Kyle Dessner

Project Manager
DeCook Drainage LLC