

# Information for File #2014-03797-RMM

**Applicant:** Sibley County Public Works

**Corps Contact:** Ryan Malterud

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**Phone:** (651) 290-5286

**Project Location:** Sections 5 and 6, Township 113N, Range 25W, Sibley County, Minnesota

**Information Complete On:** February 3, 2016

**Posting Expires On:** February 28, 2016

**Authorization Type:** LOP-05-MN

This application is being reviewed in accordance with current practices for documenting Corps jurisdiction under Section(s) 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act.

We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are subject to Corps of Engineers jurisdiction under Section(s) 9 & 10 of the Rivers and Harbors Act of 1899 and/or Section 404 of the Clean Water Act. If an approved jurisdictional determination is completed as part of the review process for this application, a copy will be posted on the St. Paul District web page at the following link: <http://www.mvp.usace.army.mil/Missions/Regulatory.aspx>.

## Project Description (as described by the applicant)

Sibley County Public Works is experiencing maintenance issues with two 154" culverts that were installed in 1984 at the intersection of County State Aid Highway (CSAH) 6 and CSAH 5. The outlets of the two culverts are approximately 2,300 linear feet from the Minnesota River. The culverts were originally installed at the same elevation of the flood plain, and water from the culverts meandered through the floodplain to the Minnesota River for several years. Recent flooding events of the Minnesota River caused sediment to settle in the flood plain. The sediment is restricting the flow of water from the culvert outlets. Sibley County has removed sediment several times to remove the restriction of water flow and to maintain drainage between CSAH 6 and the Minnesota River. A flood event from June 2014 has left several additional feet of sediment severely restricting the flow of water.

The project involves constructing a channel that will match the outlet elevations of the two arched culverts (invert elevation 719.7). The proposed dimensions are 910 linear feet long and 70 feet wide. The channel construction will result in the removal of approximately 6,634 cubic yards of material. The excavated material will be hauled offsite to a county gravel pit.

## Aquatic Resource Impacts

The proposed project will result in 1.46 acres of wetland impact. The wetlands are located within the Minnesota River floodplain.

## **Alternatives as Described by Applicant**

### **1. Closing CSAH 6**

The closure of CSAH 6 was investigated and determined to not be practicable by the applicant. The road services approximately 800 vehicles per day and the road closure would reroute users nearly 5 miles.

### **2. Raising CSAH 6**

Raising CSAH 6 was considered to prevent future flooding issues; however, the cost and logistics of the alternative were not practicable and the impacts to aquatic resources would be significantly more as a result of raising the road and creating safe sideslopes.

### **3. On-site Configuration**

The applicant originally had the proposed channel located further away from CSAH 5 and resulted in more wetland impacts. This alternative was not considered further as it had more wetland impacts than the preferred alternative.

## **Federally Listed Threatened and Endangered Species**

According to the USFWS Midwest Region website, which was checked on February 18, 2016, the Northern long-eared bat (threatened) is found in Sibley County, Minnesota.

## **Historic Properties**

The latest version of the National Register of Historic Places has been consulted and no listed properties (known to be eligible for inclusion, or included in the Register) are located in the project area.

## **State Listed Impaired (Section 303(d)) Waters**

According to the Minnesota Pollution Control Agency's Impaired Waters Viewer, which was checked on September 9, 2015, the Minnesota River is listed as an impaired river for mercury in fish tissue, fecal coliform, and PCB in fish tissue.

## **Mitigation**

The applicant has not proposed any mitigation.

## **Drawings**

See attached MVP-2014-03797-RMM, Page 1 of 2 through Page 2 of 2.

# MINNESOTA DEPARTMENT OF TRANSPORTATION SIBLEY COUNTY, MINNESOTA CHANNEL CLEANOUT

MVP 2014-09797-RMM Page 1 of 2

CONSTRUCTION PLAN FOR CHANNEL A CLEANOUTS  
 LOCATED ON CSAH 6 FROM 50 FEET EAST OF CSAH 6 TO 910 FEET EAST OF CSAH 6

GROSS LENGTH.....758.00 FEET 0.144 MILES  
 BRIDGES-LENGTH.....0.00 FEET 0.00 MILES  
 EXCEPTIONS-LENGTH.....0.00 FEET 0.00 MILES  
 NET LENGTH.....758.00 FEET 0.144 MILES  
 REF. POINT.....TO REF. POINT.....

R26W | R25W

CHANNEL A  
STA. 23+58

CHANNEL A  
STA. 16+00



### GOVERNING SPECIFICATIONS

THE 2014 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION 'STANDARD SPECIFICATIONS FOR CONSTRUCTION', SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM AND BE INSTALLED IN ACCORDANCE TO THE 'MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES' (MUTCD), AND 'FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS'.

### INDEX

SHEET NO.	SHEET DESCRIPTION
1	TITLE SHEET
2	CHANNEL A SURVEY SHEET

THIS PLAN CONTAINS...5...SHEETS

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION, AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

SIGNATURE *T. J. M. Becker*  
 DATE DATE LIC. NO. 42764 PRINT NAME TJM BECKER

RECOMMENDED FOR APPROVAL *T. J. M. Becker* DATE  
 SIBLEY COUNTY ENGINEER 20...



PROJECT LOCATION  
 COUNTY : SIBLEY  
 DISTRICT : 7



**SibleyCounty**  
MINNESOTA

SIBLEY COUNTY PUBLIC WORKS  
 111 8TH STREET  
 P.O. BOX 857  
 GAYLORD, MN 55334  
 P (507) 237,4092  
 F (507) 237,4356  
 www.co.sibley.mn.us

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "D". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C1/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

PROJECT DATUM:  
 HORIZONTAL: SIBLEY CO. NAD 83 (1996)  
 VERTICAL: NAVD 88

PLAN REVISIONS		
DATE	SHEET NO.	APPROVED BY

SCALES

INDEX MAP 5000'  
 GENERAL LAYOUT     
 PLAN 50'  
 PROFILE 50' 5' VERT.  
           10' 10' VERT.  
 X-SECTION       VERT.

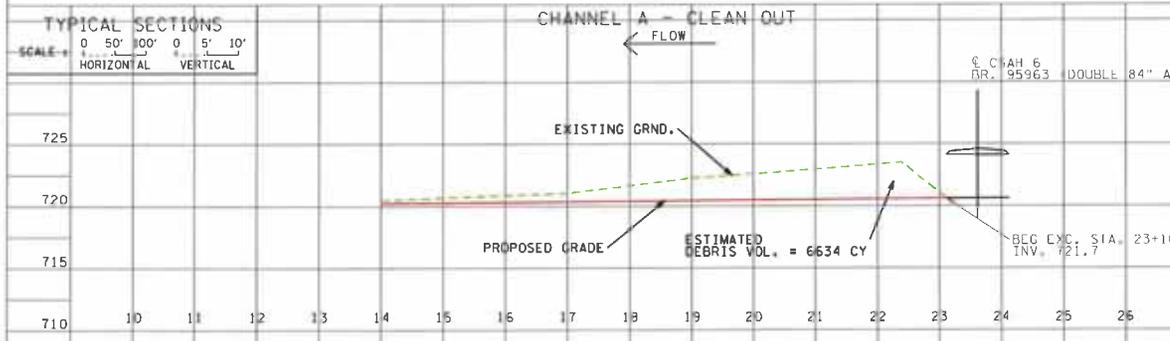
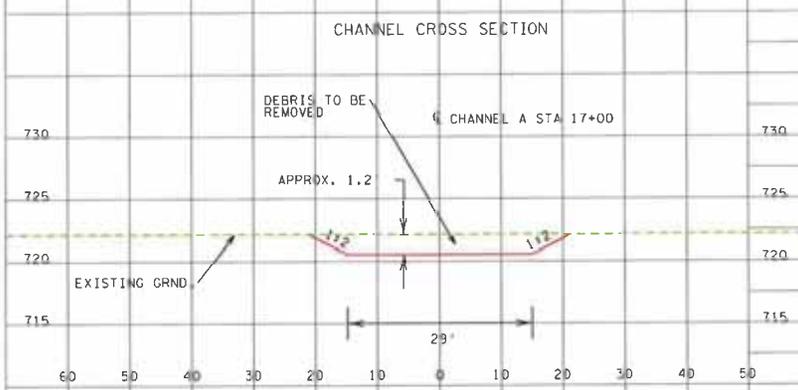
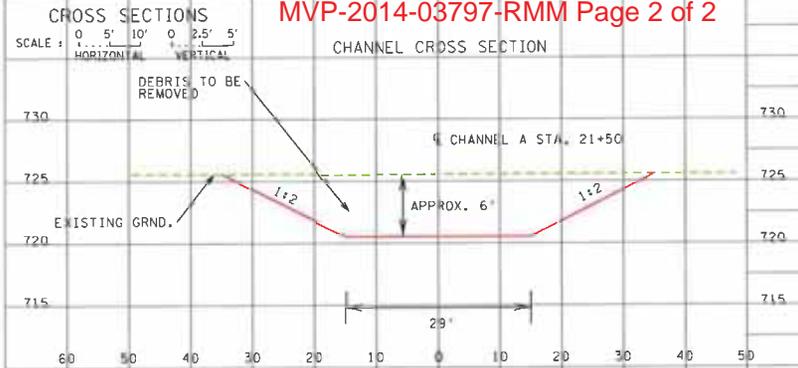
DESIGN DESIGNATION FOR: CSAH 6

FUNCTIONAL CLASSIFICATION     
 NO. OF TRAFFIC LANES     
 NO. OF PARKING LANES     
 DRIVING LANE WIDTH     
 SHOULDER WIDTH     
 ADT (CURRENT YEAR) 2015     
 ADT (FUTURE YEAR) 2035     
 PAVEMENT DESIGN     
 ESALS (20)     
 R-VALUE/SOIL FACTOR (SUBGRADE SOIL)     
 DESIGN SPEED     
 BASED ON SIGHT DISTANCE     
 HEIGHT OF EYE / HEIGHT OF OBJECT     
 DESIGN SPEED NOT ACHIEVED AT:   

THIS PLAN AND/OR SPECIFICATION WAS PREPARED SPECIFICALLY FOR THIS PROJECT, AND ANY RE-USE OF DETAILS OR SPECIFICATIONS ON OTHER PROJECTS IS NOT INTENDED OR AUTHORIZED BY THE DESIGNER. LIABILITY FOR ANY RE-USE ON OTHER PROJECTS IS THE RESPONSIBILITY OF THE PERSON, AGENCY, OR CORPORATION USING PLAN OR SPECIFICATION DATA FROM THIS PROJECT.

S.A.P.     
 COUNTY PROJ. 3075

SHEET NO. 1 OF 2 SHEETS



CHANNEL A CLEANOUT  
SHEET 1 OF 1  
EXCAVATION FROM CSAH 6 TO 900 FT WEST OF CSAH 6  
SEC 5 T 114 N R 25 W  
COUNTY: SIBLEY  
TOWNSHIP: FAXON  
BRIDGE NO. 95963

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly licensed Professional Engineer under the laws of the State of Minnesota.  
PRINT NAME: TIM BECKER  
SIGNATURE: [Signature]  
DATE: 2.3.2016 LICENSE NO. 42764

DRAWN BY: TLB  
DESIGNED BY: TLB  
CHECKED BY: TLB  
PROJECT NO.



COUNTY OF SIBLEY  
CHANNEL A EXCAVATION  
SHEET 1 OF 2

NO.	DATE	BY	CHKD	APPR