

# Information for File # 2015-00673-LSP

**Applicant:** Becker County Highway Department

**Corps Contact:** Lawrence Puchalski

**Address:** 4111 Technology Drive, Suite 295, Bemidji, Minnesota 56601

**E-Mail:** Lawrence.S.Puchalski@usace.army.mil

**Phone:** (651) 290-5339

**Primary County:** Becker

**Sections:** 1

**Township:** 140N

**Range:** 44W

**Information Complete On:** May 4, 2015.

**Posting Expires On:** June 1, 2015.

**Authorization Type:** LOP-05-MN(A)

This application is being reviewed in accordance with the practices for documenting Corps jurisdiction under Sections 9 & 10 of the Rivers and Harbor Act of 1899 and Section 404 of the Clean Water Act identified in Regulatory Guidance Letter 07-01. We have made a preliminary determination that the aquatic resources that would be impacted by the proposed project are regulated by the Corps of Engineers under Section 404 of the Clean Water Act. Our jurisdictional review and final jurisdictional determination could result in modifications to the scope of the project's regulated water body/wetland impacts and compensatory mitigation requirements identified above. An approved jurisdictional determination will be made prior to reaching a permit decision, and will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

**Project** LINEAR PROJECT: Becker County State Aid Highway 14 Reconstruction.

**PROJECT DESCRIPTION AND PURPOSE:** The applicant is proposing to reconstruct approximately 3.0 miles of CSAH 14 from the Clay County line to the intersection of Becker County CSAH 14 and CSAH 7 (S.A.P. 003-614-018).

The proposed project would involve shoulder widening and inslope flattening to ensure that the road meets current safety and design standards. The project has been designed to meet Mn/DOT standards and to match the existing road west of the Clay County Line. The applicant is proposing to modify the ditch cross section beyond the safety clear zone where practical to reduce impacts to adjacent wetlands.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:** The applicant has identified nine wetlands that will be impacted by this project. Melby and Rustad Lakes will also be impacted by the placement of fill and rip-rap along the shoreline where the lakes abut the roadway. Approximately 0.64 acres of wetlands will be permanently filled during construction of this project. Impacts to Melby and Rustad Lakes will total 0.27 acres.

An additional 0.91 acres of wetlands that have developed in ditch bottoms will be impacted during construction. The applicant has stated that at these locations, the ditches will be replaced with a new ditch of the same dimensions and at the same elevation which should allow wetlands to re-develop after construction is complete.

**ALTERNATIVES CONSIDERED:** The applicant studied two alternatives for this project. One alternative was to do nothing. The do nothing alternative would not address the safety problems of the existing roadway. The applicant also considered relocating the roadway to an alternative location. This alternative was rejected because CSAH 14 is the main farm road to market and connecting to Clay County 26 would be cost prohibitive and would not avoid all impacts to wetlands.

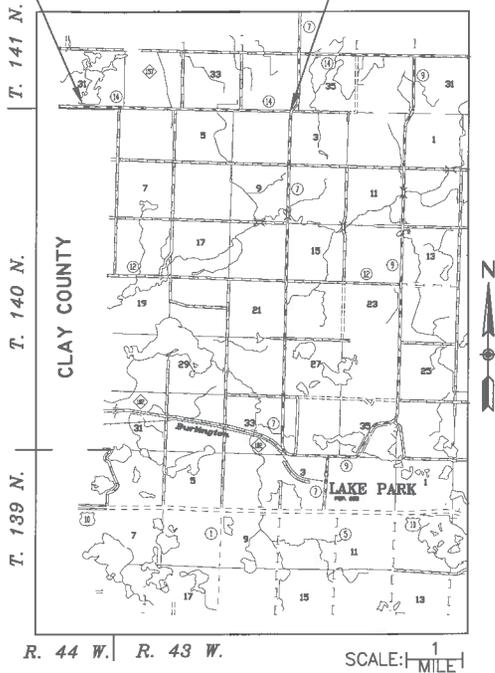
The applicant has designed the roadway to minimize impacts to aquatic resources to the greatest extent possible. This will be accomplished by maintaining ditches at the existing elevations and by utilizing broken inslopes where they are practical.

**COMPENSATORY MITIGATION:** The applicant will utilize the Minnesota state road wetland bank to offset unavoidable wetland impacts.

**Drawings** See attached.

BEGIN SAP 003-614-018  
STA 0+00

END SAP 003-614-018  
STA 186+00



MINNESOTA DEPARTMENT OF TRANSPORTATION  
COUNTY OF BECKER

CONSTRUCTION PLAN FOR SHOULDER WIDENING

COUNTY STATE AID HIGHWAY 14

LOCATION: FROM CLAY COUNTY LINE TO COUNTY HIGHWAY 7, 6.0 MILES  
NORTH OF LAKE PARK, MN

FROM: 189 FEET WEST OF THE N 1/4 CORNER OF SECTION 1, T140N, R44W

TO: 90 FEET EAST OF THE NW CORNER OF SECTION 3, T140N, R43W

GROSS LENGTH	<u>18,600.00</u>	FEET	<u>3.523</u>	MILES
BRIDGE LENGTH	<u>0.00</u>	FEET	<u>0.000</u>	MILES
EXCEPTIONS	<u>0.00</u>	FEET	<u>0.000</u>	MILES
NET LENGTH	<u>18,600.00</u>	FEET	<u>3.523</u>	MILES

EQUATIONS: NONE

DESIGN SPEED	<u>55</u>	mph	BASED ON STOPPING SIGHT DISTANCE
PRESENT A.D.T. 2015	<u>392</u>		HEIGHT OF EYE 3.5', HEIGHT OF OBJECT 2.0'
PROJECTED A.D.T. 2035	<u>549</u>		
PROJECTED H.C.A.D.T. (2035)	<u>LESS THAN 150</u>		
TON DESIGN	<u>9</u>		
SOILS FACTOR	<u>100%</u>		
SHOULDER WIDTH	<u>8'</u>		
FUNCTIONAL CLASSIFICATION	<u>MAJOR COLLECTOR</u>		

DESIGN SPEED NOT ACHIEVED AT :

SHEET INDEX

- 1) TITLE
- 2) ESTIMATE QUANTITIES
- 3) TYPICAL SECTIONS
- 4) CULVERT TABLE
- 5) EROSION CONTROL
- 6-7) TRAFFIC CONTROL
- 8-20) PLAN & PROFILE
- 21-53) CROSS SECTIONS

SPECIFICATIONS

THE 2014 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE 2014 EDITION OF THE "MATERIALS LAB SUPPLEMENTAL SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

PLAN SYMBOLS

EXISTING ROW	-----
NEW ROW	-----
SLOPE EASEMENT	---SE---SE---SE---SE---SE---SE---SE---SE---
UNDERGROUND TELEPHONE	---T-UB---T-UB---T-UB---T-UB---T-UB---T-UB---T-UB---
UNDERGROUND POWER	---U-ED---U-ED---U-ED---U-ED---U-ED---U-ED---U-ED---
CABLE TV	---CMTV-UB---CMTV-UB---CMTV-UB---CMTV-UB---
FIBER OPTIC	---FIBER---FIBER---FIBER---FIBER---FIBER---

I HEREBY CERTIFY THAT THIS PLAN 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.

CERTIFIED BY JAMES D. OLSON: BECKER COUNTY ENGINEER LIC. NO. 41294 DATE       20      

DATE       20      

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE-AID RULES/POLICY

DATE       20      

APPROVED FOR STATE AID AND FUNDING: STATE AID ENGINEER

**S.A.P. 003-614-018** SHEET 1 OF 53 SHEETS





