

## Information for File #2013-02478-NTD

**Applicant:** Shawano County Highway Department

**Corps Contact:** Nick Domer, U. S. Army Corps of Engineers, 211 North Broadway, Suite 221, Green Bay, Wisconsin 54303; [nicholas.t.domer@usace.army.mil](mailto:nicholas.t.domer@usace.army.mil); (920) 448-2824.

**Primary County:** Shawano

**Location:** Sections 16, 20, and 21, Township 26N, Range 12E

**Information Complete On:** 8-13-2013

**Posting Expires On:** 4-2-2014

**Authorization Type:** Section 404 Letter of Permission

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 waterbody/wetland impacts and compensatory mitigation requirements identified above. A preliminary or approved jurisdictional determination will be made prior to reaching a permit decision. If an approved determination is made, it will be posted on the St. Paul District web page at <http://www.mvp.usace.army.mil/>.

**PROJECT DESCRIPTION AND PURPOSE:** The Shawano County Highway Department has applied for a Department of the Army permit to discharge dredged and fill material into waters of the United States to reconstruct a 1.25 mile segment of CTH J from 0.7 miles north of Tauferner Road to the Village of Tigerton south limits. The purpose of the project is to improve the deteriorated pavement, create a consistent design speed along the roadway, and provide adequate sight distance to comply with current county highway design standards.

**NAME, AREA AND TYPES OF WATERS (INCLUDING WETLANDS) SUBJECT TO LOSS:** Approximately 0.51 acre of hardwood swamp wetlands, 0.21 acre of wet meadow wetlands, and 0.37 acre of shrub carr wetlands would be permanently filled as a result of the proposed road reconstruction project.

**ALTERNATIVES CONSIDERED:** The no-build alternative would avoid impacts to wetlands; however the alternative was eliminated by the applicant because it failed to

address the need and purpose of the project. Additional alternatives considered and dismissed by the applicant include:

- Resurfacing the roadway without reconstruction.
- Reconstruction without widening the footprint of the roadway.
- Construction of a new roadway at an alternative location.

Resurfacing the roadway without reconstruction and reconstructing the roadway without widening the footprint were eliminated by the applicant because these alternatives would not meet current design standards. To comply with current highway standards, the shoulders need to be widened. Construction of a new roadway at a different location was dismissed because environmental impacts and construction costs would be much greater than the applicants preferred alternative.

The applicant's preferred alternative involves reconstructing the roadway incorporating changes to the current vertical and horizontal alignment. If authorized, the profile would be re-graded and realigned to increase sight distances and the existing 2-4 foot shoulders would be widened to 5 feet to comply with AASHTO standards. The existing 11 foot travel lanes would remain unchanged.

AVOIDANCE AND MINIMIZATION: During the design process, side slopes were steepened, shoulder widths were reduced, and design speeds were lowered in an effort to minimize wetland impacts.

COMPENSATORY MITIGATION: To compensate for unavoidable adverse impacts to wetlands, the Shawano County Highway Department proposes to debit 1.30 in-kind credits from the Shawano County Highway Department consolidated mitigation site (Muck Site) located in Shawano County, Wisconsin. The planned replacement ratio is 1.2:1 (1.2 credits debited for every 1 acre of wetland impacted).

DRAWINGS: See attached.

PROJECT ID: XXXX-XX-XX  
WITH: NA

COUNTY: SHAWANO

**ORDER OF SHEETS**

- Section No. 1 Title
- Section No. 2 Typical Sections and Details
- Section No. 3 Estimate of Quantities
- Section No. 4 Miscellaneous Quantities
- Section No. 5 Right of Way Plat
- Section No. 6 Plan and Profile
- Section No. 7 Standard Detail Drawings
- Section No. 8 Sign Plates
- Section No. 9 Structure Plans
- Section No. 10 Computer Earthwork Data
- Section No. 11 Cross Sections

TOTAL SHEETS = \_\_\_\_



**DESIGN DESIGNATION**

A.A.B.T. (20M)	= 560
A.A.B.T. (205M)	= 800
T. (20M)	= 6.95
DESIGN SPEED	= XX MPH
ESALS	= 16,800

**CONVENTIONAL SYMBOLS**

<b>PLAN</b>		<b>PROFILE</b>	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LDT LINE		MARSH OR ROCK PROFILE	
LIMITED HIGHWAY EASEMENT		(to be noted as such)	
EXISTING RIGHT OF WAY		SPECIAL DITCH	
PROPOSED OR NEW R/W LINE		GRADE ELEVATION	
SLOPE INTERCEPT		CULVERT (Profile View)	
REFERENCE LINE		UTILITIES	
EXISTING CULVERT		ELECTRIC	
PROPOSED CULVERT		FIBER OPTIC	
(Box or Pipe)		CAS	
COMBUSTIBLE FLUIDS		SANITARY SEWER	
		STORM SEWER	
		TELEPHONE	
		WATER	
MARSH AREA		UTILITY PEDESTAL	
		POWER POLE	
		TELEPHONE POLE	
WOODED OR SHRUB AREA			

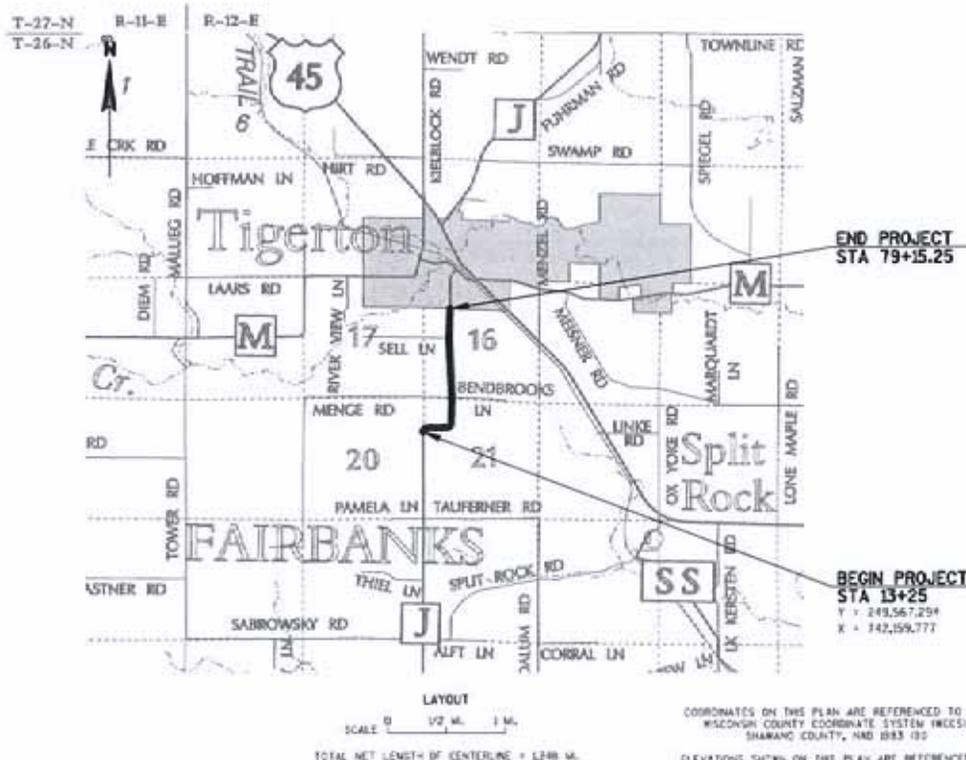
# SHAWANO COUNTY HIGHWAY DEPARTMENT

## PLAN OF PROPOSED IMPROVEMENT

### CTH J

#### 0.7 MILES NORTH OF TAUFERNER RD TO VILLAGE OF TIGERTON SOUTH LIMITS

#### SHAWANO COUNTY



ORIGINAL PLAN PREPARED BY

**Omni ASSOCIATES**

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PREPARED BY: \_\_\_\_\_  
 Surveyor: Omni ASSOCIATES, INC.  
 Designer: Omni ASSOCIATES, INC.  
 Project Manager: DAVID SAGE, P.E.

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APPROVED FOR SHAWANO COUNTY

DATE: \_\_\_\_\_ Signature: \_\_\_\_\_



