

#72 Forest Co Otter Creek New Bridge

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

Page 1 of 5

Due Date: April 15

ATV/UTV Trail Aid

Snowmobile Trail Aid

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law {ss. 19.31 – 19.39, Wis. Stats.}.

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your [Community Services Specialist](#).

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Forest County Forestry and Recreation			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Travis Wollenberg			Check Recipient Name (Name to Appear on Check) Forest County Forestry and Recreation Department		
Title Forest Administrator			Title		
Address 200 E Madison Street			Address 200 E Madison Street		
City Crandon	State WI	ZIP Code 54520	City Crandon	State WI	ZIP Code 54520
Telephone Number (715) 478-3475		Email Address travis@co.forest.wi.us			

Section 2: Project Information Required for all Projects

Project Title United States Forest Service Otter Creek Bridge Development					Current Funded Miles	New Miles (if applicable)
County Forest	Township 35 N	Range 15	Section 35	¼ ¼ ¼	GPS Coordinates: Lat. 45.2818 Long. -88.5921	

Project Description Summary

United States Forest Service has requested that Forest County Forestry and Recreation Department apply for funding to develop a bridge over Otter Creek. This trail is part of Forest County state funded snowmobile miles. Through USFS Cost-Share Agreement Forest County has to maintain/develop bridges on USFS property. Currently, the creek does not have any existing bridges or culverts in place and a bridge is needed to protect the water quality, and bank erosion. Existing trail is used only for snowmobile season but constant wear from snowmobiles have developed the need for a bridge. USFS is providing engineering plans, on site over view and cost estimates for this project.

The County has also applied for RTP funds. If awarded, \$191,568.80 would be RTP (80%), leaving the remaining \$47,892.20 for the Snow Program to fund for match (20%).

I certify that all maintenance land use agreements are on file.

Estimated Cost

Maintenance	Acquisition	Insurance	Development \$239,461.00	Bridge Rehab.	Trail Rehab.	Total Estimated Cost \$239,461.00
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Leave Blank – DNR Use Only

Applicant Certification

Printed Name of Authorized Official Travis Wollenberg	Official's Title Forest Administrator
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As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.


 Signature of Authorized Official

4/11/24
 Date Prepared

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

	Quote 1	Quote 2
	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden
Bridge Dimensions:	<u>57'x12'</u>	<u>57'x12'</u>
Bridge Manufacturer:	<u>Wheeler</u>	<u>UP Engineers & Architects, Inc.</u>
Design Weight Load	<u>25,000</u> lbs.	<u>25,000</u> lbs.
Cost of Structure:		
1. Engineering	\$ _____	\$ _____
2. Structure	\$ <u>70,000</u>	\$ <u>100,000</u>
Subtotal	\$ <u>70,000</u>	\$ <u>100,000</u>

	Quote 1	Quote 2
	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate	<input type="radio"/> Contractor or <input checked="" type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ <u>20,000</u>	\$ <u>34,675</u>
3. Abutments	\$ <u>25,000</u>	\$ _____
4. Pilings/Piers	\$ <u>25,000</u>	\$ <u>70,602</u>
5. Approaches	\$ <u>10,000</u>	\$ <u>3,065</u>
6. Riprap	\$ <u>2,500</u>	\$ <u>9,350</u>
7. Labor	\$ <u>55,000</u>	\$ <u>21,769</u>
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other <u>Mobilization</u>	\$ <u>35,000</u>	\$ _____
Subtotal	\$ <u>172,500</u>	\$ <u>139,461</u>
Total Cost	\$ <u>242,500</u>	\$ <u>239,461</u>

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects Contractor Sponsor Club

Bridge Dimensions:	_____
Design Weight Load	_____ lbs.
1. Materials	\$ _____
2. Labor	\$ _____
Total	\$ _____

Project Name: USFS Otter Creek Bridge		Prepared By: Travis Wollenberg	Date: 01/09/2024
County: Forest	Project Applicant: Forest County Forestry and Recreation	Landowner Name: United States Forest Service	<input checked="" type="radio"/> Public <input type="radio"/> Private

Indicate - (C) Contract , (F) Force Acct., (D) Donated

	DEVELOPMENT PROJECT ITEMS <i>List by individual item or break down by Use Areas (See Item List On Back Of This Form)</i>	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
C	Mobilization	1	LPSM	\$22,000.00	22,000.00
C	Construction Survey and Staking, Method 1, Tolerance Class C	1	LPSM	\$9,000.00	9,000.00
C	Silt Fence	170	LNFT	\$2.50	425.00
C	Structure Excavation	9	CUYD	\$250.00	2,250.00
C	Riprap, Class I, Machine Placed	25	CUYD	\$350.00	8,750.00
C	GeoTextile, Type III, Class I	30	SQYD	\$20.00	600.00
C	Aggregated Base, Grading D, Compaction Method B	4	CUYD	\$380.00	1,520.00
C	Furnish Pile Drilling Equipment	1	LPSM	\$25,000.00	25,000.00
C	Helical Piles, Furn	320	LNFT	\$85.00	27,200.00
C	Helical Piles, Driven	320	LNFT	\$10.00	3,200.00
C	Structural Steel Plate, Fabricated, Furn, and Erect	1,031	LBS	\$6.50	6,701.50
C	Treated Structural Timber, Substructure	1	LPSM	\$8,500.00	8,500.00
C	Treated Structural Timber, Superstructure	1	LPSM	\$100,000.00	100,000.00
C	Signs, Type III Sheeting	10	SFT	\$18.50	185.00
C	Post, Wood, 4-inch X 4-inch	60	LNFT	\$15.00	900.00
C	Object Markers, Type 3	4	Each	\$115.00	460.00
C	Temporary Traffic Control	1	LPSM	\$1,000.00	1,000.00
C	Labor	1		\$21,769.00	21,769.00
	TOTAL \$				\$239,460.50

- NOTE:**
- For development projects, contingency and indirect costs are not eligible expenses.
 - For acquisition projects, complete the Acquisition Project Cost Estimate Section of this form.

Guidelines for Applicant

Complete this form for each bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points, including actual deeded easements.

Category		Possible Points	Actual Points
1	Condition of the Structure (max of 10 points)		
	Has a certified bridge inspection report that supports the project & demonstrates need (see example, must provide copy of report by August 1 for 2024 only)	10	0 new
2	Permits (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	1
	Permit in hand / Bridge already permitted	3	
3	Funding (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)? RTP applied for	2	2
	11% - 49% from other funding source(s)?	1	
4	Length of Written Easements or Land Use Agreement (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	5
	10 or more year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	5	
	3-9 year deeded easement on private land or other public land, for <u>all portions of that trail to the nearest road on each side of the bridge</u>	4	
	10 or more year deeded easement on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 deeded easement on private land or other public land, for <u>just the bridge site</u>	2	
	10 or more year land use agreement (LUA, not deeded) on private land or other public land	1	
	3-9 year land use agreement (LUA, not deeded) on private land or other public land	0	
5	Miles Impacted – How many miles will need to rerouted if the structure is not replaced? Measured from nearest intersection on both sides of the bridge. (max 4 points)		
	Less than 20 miles	1	
	20 miles or more	3	3
	No other snowmobile trails connect. Explain:	4	
	DEDUCTIONS		
6	County Active Project Deduction (maximum deduction 1 point) A snowmobile active project is one that has exceeded it's initial grant period.		
	Two or more active projects - deduct 1 point	-1	0
GRAND TOTAL			11

Comments/Notes:

Without a bridge, this would result in a very long re-route. Shorter reroute options would still need a water crossing/bridge to be installed.

Forest County Snowmobile Trails

2023-2024



Trail Information

100 Mile Snow Safari
 www.100milesnowsafari.com
 Blackbear Sportsman's Club
 www.blackbearclub.com
 Lumberjack Memorial Trails
 www.lmttrails.com

Three Lakes Trails
 www.threelakes.com
 Tombstone/Pickrel
 www.tombstonepickrel.com

Forest County Information

Snowline: (715) 478-2024
 Website: www.forestcountywi.com
 Tourism: (715) 478-3450 or 1-800-334-3387

US Forest Service
 715-674-4481
 www.fs.usda.gov/main/fcnf

Legend

- 100 Mile Snow Safari
- Blackbear Sportsman's Club
- Lumberjack Memorial (LMT)
- Nicolet State Trail
- Three Lakes Trails
- Tombstone/Pickrel
- Wolf River State Trail
- Intersection
- Gas Available
- Corridor

Numbered Pit Stops relate in color to Club Membership.

Please Patronize These Businesses

Map Compliments of: Forest County Snowmobile Clubs

TW 2023

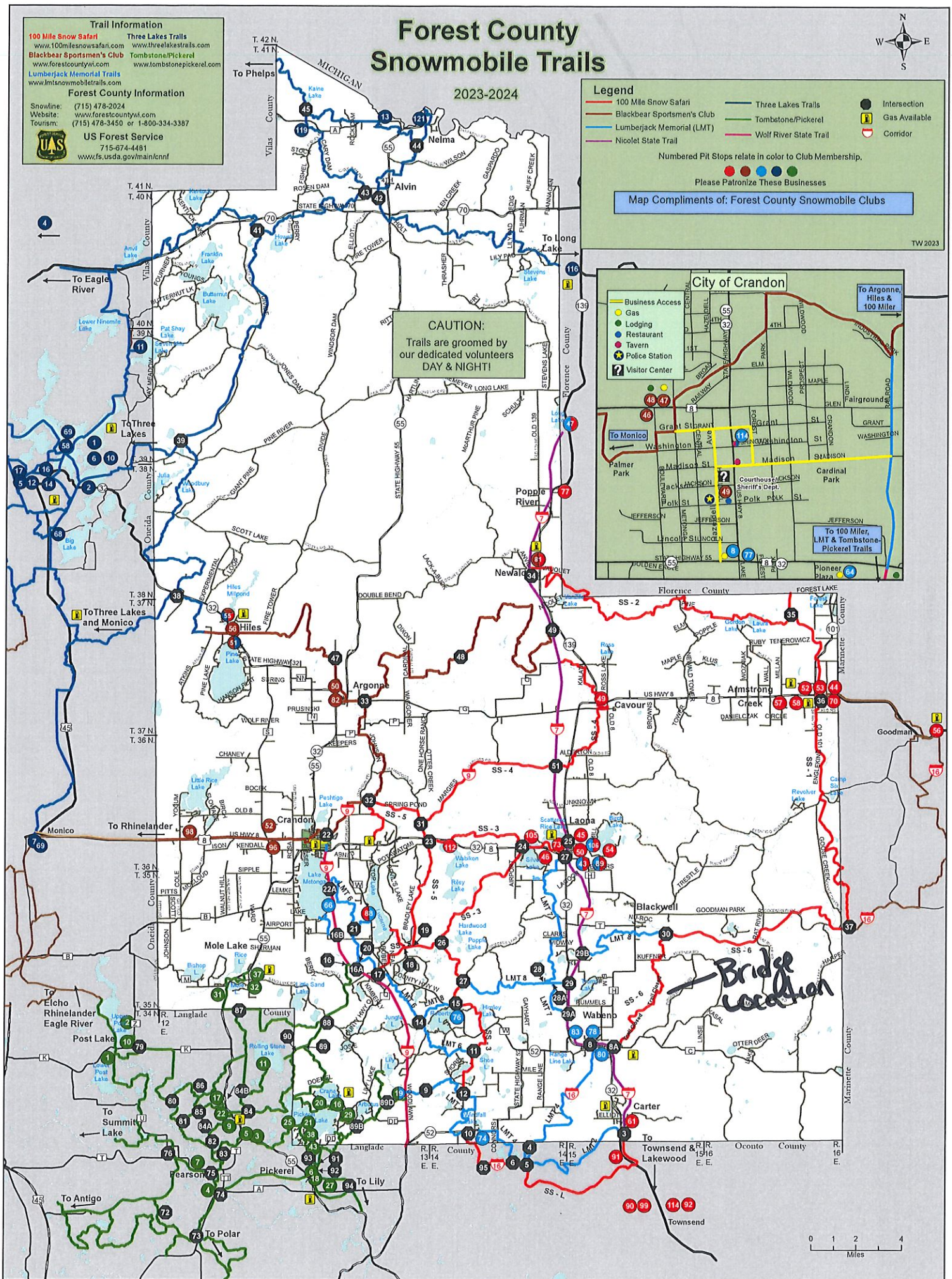
CAUTION:
 Trails are groomed by our dedicated volunteers
DAY & NIGHT!

City of Crandon

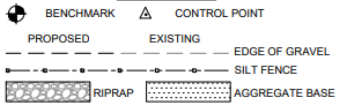
- Business Access
- Gas
- Lodging
- Restaurant
- Tavern
- Police Station
- Visitor Center

Map showing streets in Crandon, WI, including Washington St, Madison St, and others. Includes locations for gas, lodging, and police.

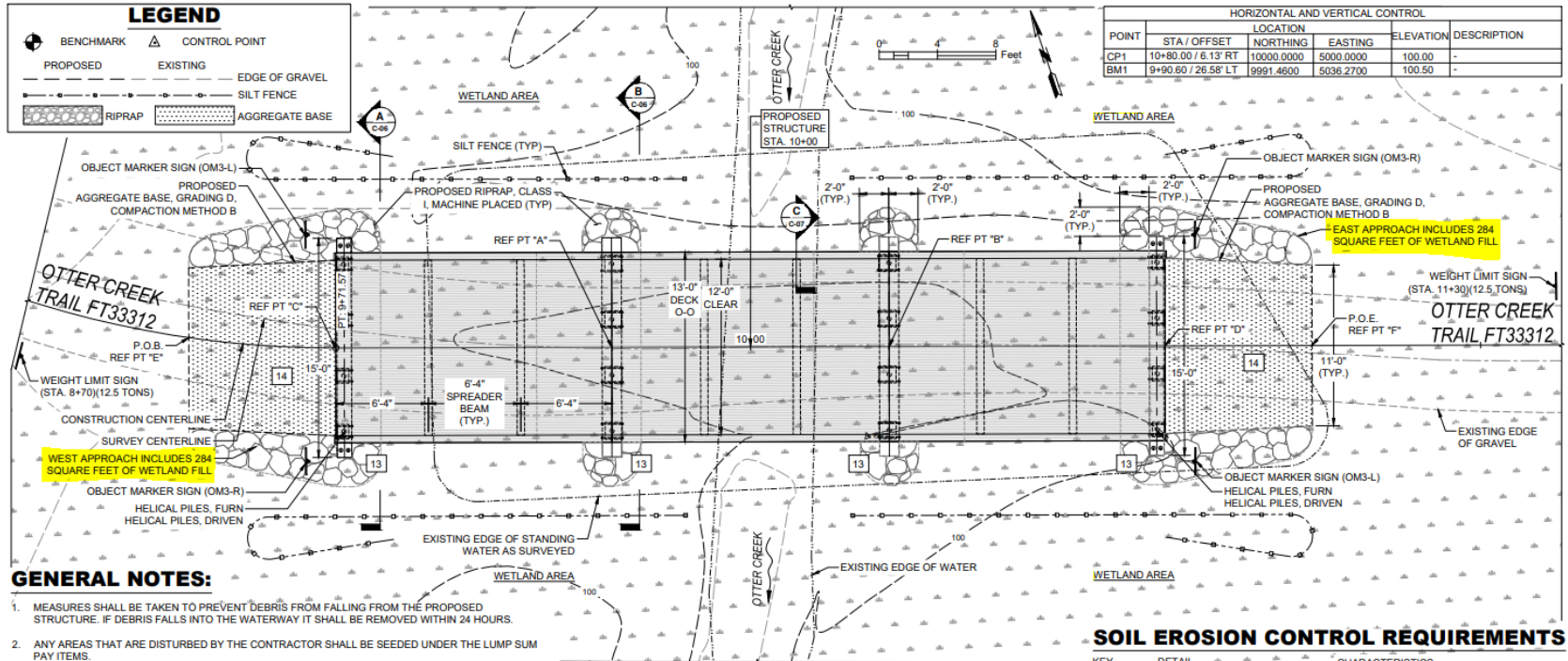
Bridge Location



LEGEND



HORIZONTAL AND VERTICAL CONTROL					
POINT	STA / OFFSET	LOCATION	EASTING	ELEVATION	DESCRIPTION
CP1	10+80.00 / 6.13' RT	NORTHING	5000.0000	100.00	-
BM1	9+90.60 / 26.58' LT		9991.4600	5036.2700	100.50



GENERAL NOTES:

- MEASURES SHALL BE TAKEN TO PREVENT DEBRIS FROM FALLING FROM THE PROPOSED STRUCTURE. IF DEBRIS FALLS INTO THE WATERWAY IT SHALL BE REMOVED WITHIN 24 HOURS.
- ANY AREAS THAT ARE DISTURBED BY THE CONTRACTOR SHALL BE SEEDED UNDER THE LUMP SUM PAY ITEMS.
- PROVIDE SMOOTH TRANSITION FROM EXISTING TO PROPOSED ROADWAY AT REFERENCE POINTS "E" AND "F". FADE OR EXTEND PROFILE SLIGHTLY AS REQUIRED.

BRIDGE PLAN

SOIL EROSION CONTROL REQUIREMENTS

KEY	DETAIL	CHARACTERISTICS
13	RIPRAP, RUBBLE, GABIONS	USED WHERE VEGETATION IS NOT EASILY ESTABLISHED. EFFECTIVE FOR HIGH VELOCITIES OR HIGH CONCENTRATIONS. PERMITS RUNOFF TO INFILTRATE



EASTERN REGION

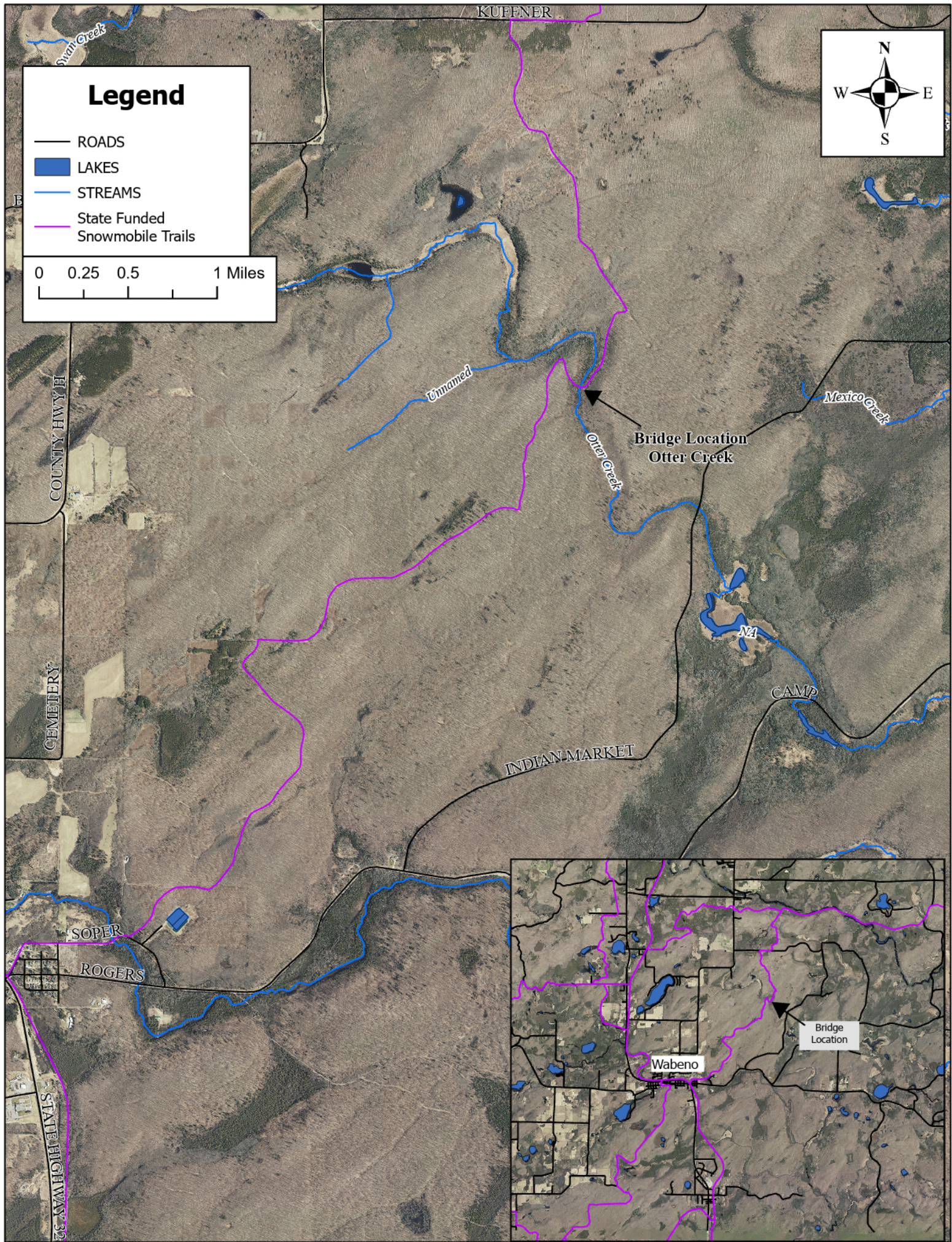
PROJECT NAME
OTTER CREEK TRAIL BRIDGE FT33312

CHEQUAMEGON - NICOLET NATIONAL FOREST

LAKWOOD-LAONA RANGER DISTRICT

DRAWING TITLE
PLAN & PROFILE

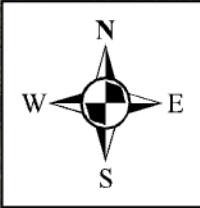
OTTER CREEK/OTTER CREEK TRAIL BRIDGE FT33312.DWG



Legend

- ROADS
- LAKES
- STREAMS
- State Funded Snowmobile Trails

0 0.25 0.5 1 Miles



Bridge Location
Otter Creek

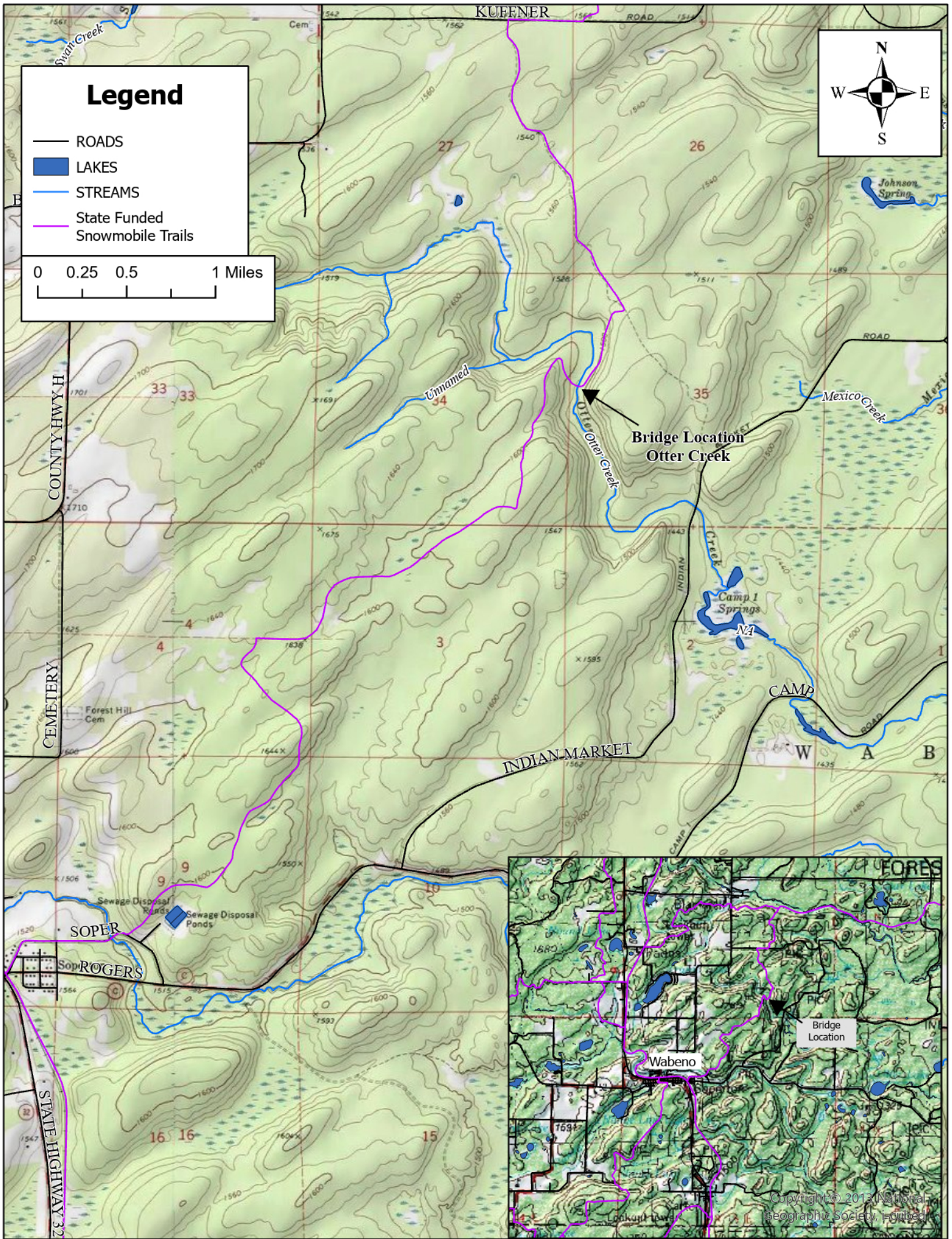
Bridge Location

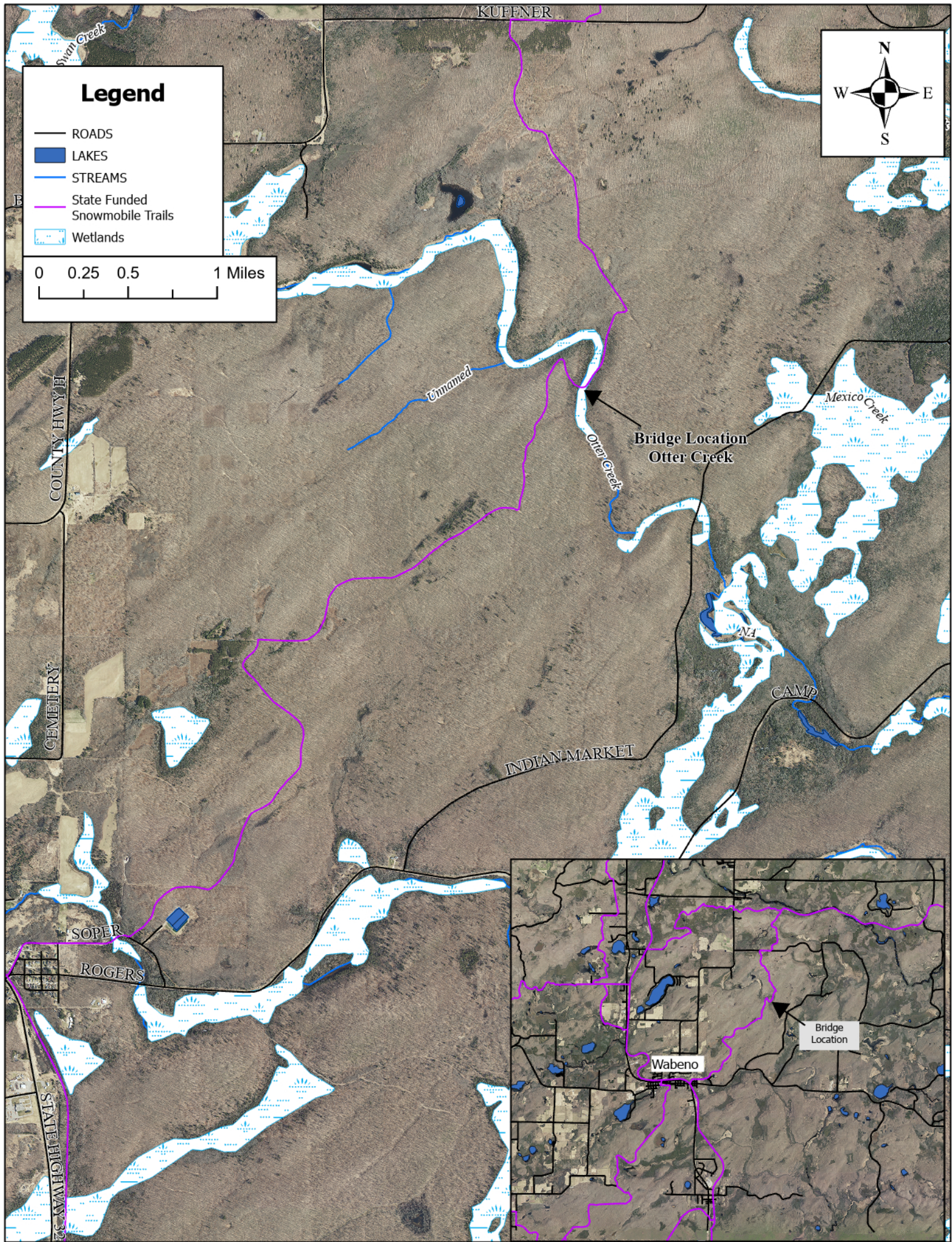
Wabeno

Legend

- ROADS
- LAKES
- STREAMS
- State Funded Snowmobile Trails

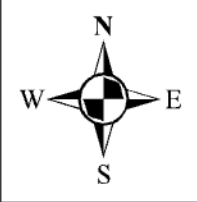
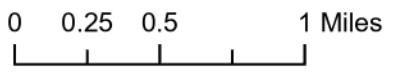
0 0.25 0.5 1 Miles





Legend

- ROADS
- LAKES
- STREAMS
- State Funded Snowmobile Trails
- Wetlands

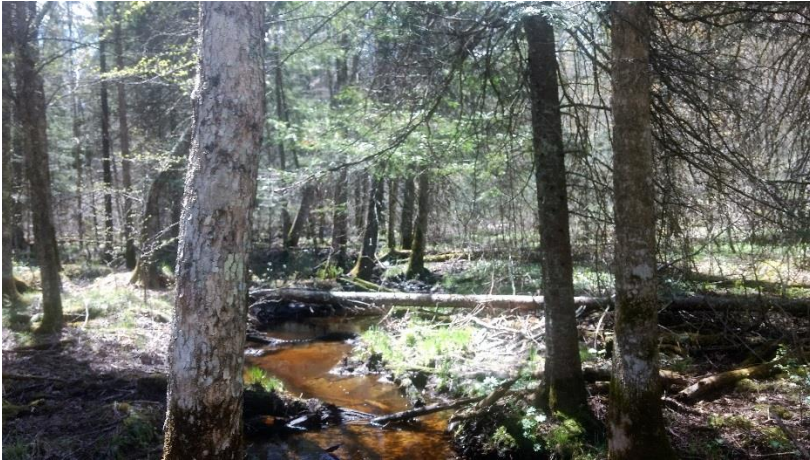


Bridge Location
Otter Creek

Bridge Location

Wabeno

Otter Creek @ Snowmobile Trail





United States Department of Agriculture
Forest Service

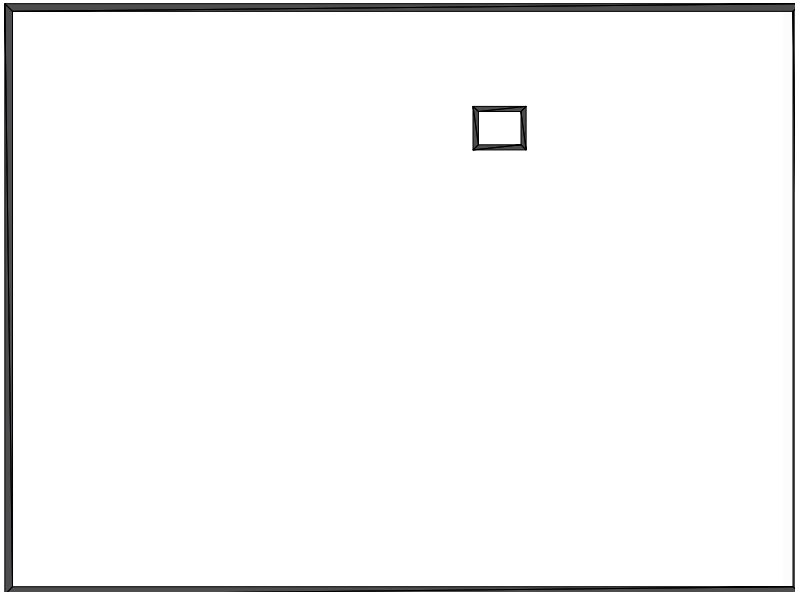
EASTERN REGION
CHEQUAMEGON - NICOLET NATIONAL FOREST - LAKEWOOD-LAONA RANGER DISTRICT
FOREST COUNTY
WISCONSIN

OTTER CREEK TRAIL BRIDGE FT33312

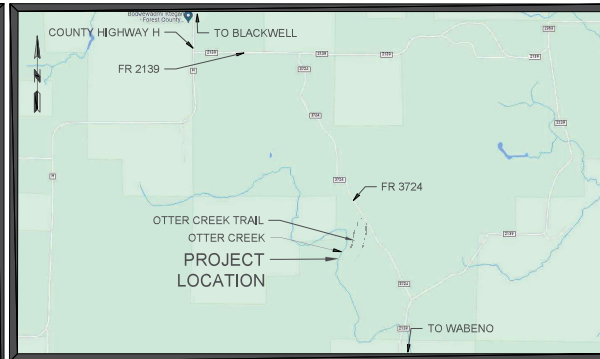
INDEX OF SHEETS		
SHEET	SHEET TITLE	DATE
G-01	TITLE SHEET	7/24/2023
C-02	QUANTITIES, DESIGN DATA, & GENERAL NOTES	7/10/2023
C-03	TEMPORARY TRAFFIC CONTROL PLAN	7/10/2023
C-04	TYPICAL SECTIONS	7/24/2023
C-05	PLAN & PROFILE	7/10/2023
C-06	STRUCTURE DETAILS	7/24/2023
C-07	STRUCTURE DETAILS	7/24/2023
C-08	SOIL BORINGS	7/10/2023



Gust Juntilla
Jul 24 2023 4:19 PM



PROJECT LOCATION



PROJECT SITE

PROJECT LOCATION: FROM THE FOREST COUNTY HWY T / FOREST COUNTY HWY H INTERSECTION IN BLACKWELL, WISCONSIN, HEAD SOUTH ON FOREST COUNTY HWY H FOR 1.5 MILES, THEN TURN LEFT ONTO FR 2139 (KUFFNER ROAD), CONTINUE ON FR 2139 FOR 0.7 MILES, THEN TURN RIGHT ON TO FR 3724, CONTINUE ON FR 3724 FOR 1.3 MILES, THEN TURN RIGHT ON TO FR 833431 (SNOWMOBILE TRAIL), CONTINUE TO POB OF PROJECT.

STRUCTURE NUMBER: 091303-33312-24.0000 (LAT 45,2818, LONG -88,5921)
PROPOSED PROJECT DESCRIPTION:
87 FOOT THREE SPAN, DOWEL-LAM SLAB BRIDGE WITH HELICAL PILE FOUNDATIONS.
DESIGN SPEED: N/A
AADT: N/A

RECOMMENDED BY:

FOREST ENGINEER _____ DATE _____

DISTRICT RANGER _____ DATE _____

FOREST SUPERVISOR _____ DATE _____

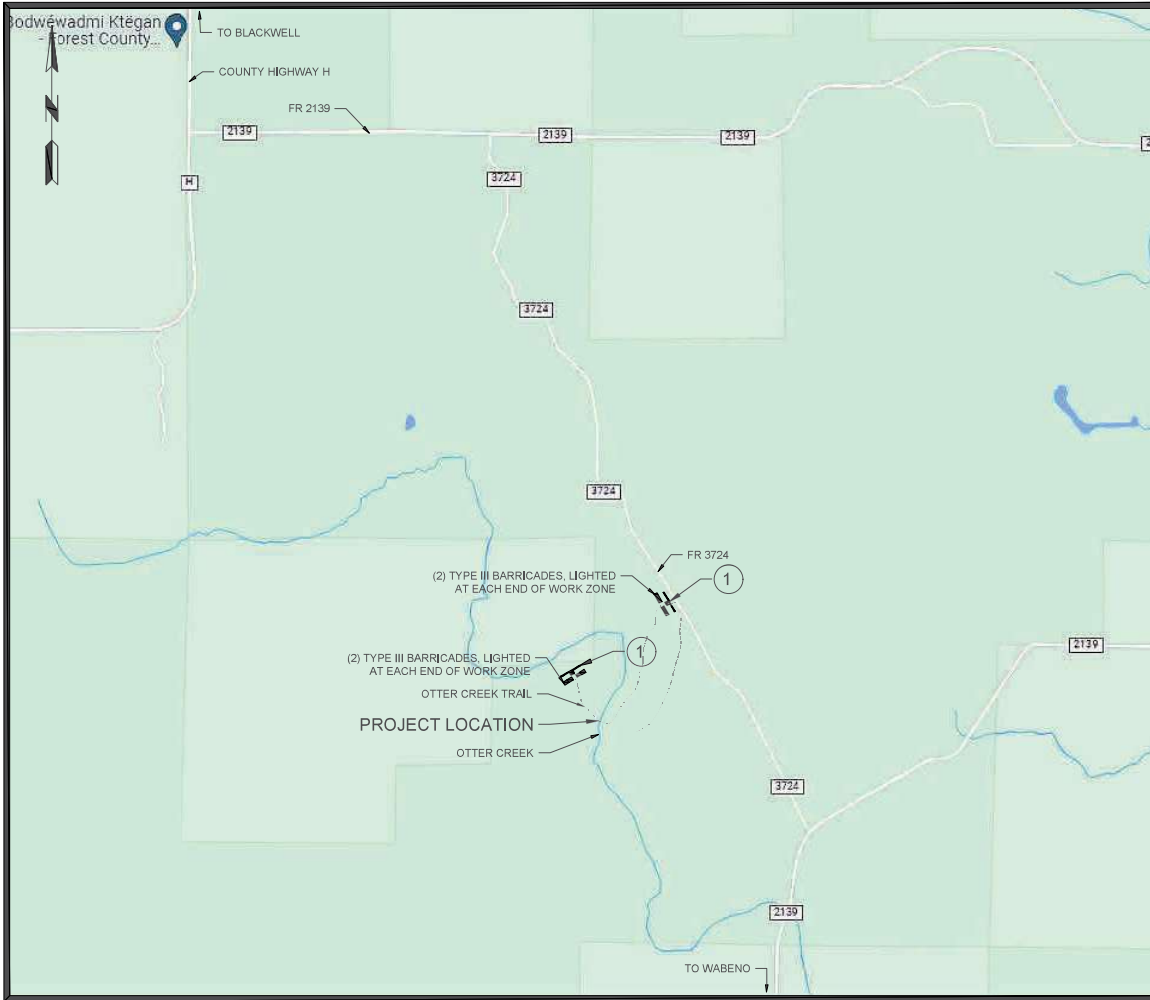
R9 BRIDGE PROGRAM MANAGER _____ DATE _____

APPROVED:

R0 DIRECTOR OF ENGINEERING _____ DATE _____

7/24/23 4:54 JUNTILA 242642023 USDA FS R9 174UPE BRIDGE.DWG - 21 BRIDGE.DWG SET TASK 103 - CNMF OTTER CREEK TRAIL BRIDGE FT33312.ZWG

7/10/23 11:29 JALLEN E:\USERS\JALLEN\USDA FS 101\USFS BRIDGE\101 - CNF - OTTER CREEK\OTTER CREEK TRAIL BRIDGE FT33312.DWG



TRAFFIC CONTROL PLAN - ROAD CLOSURE



TRAFFIC CONTROL PLAN KEY

- SIGN
- TYPE III BARRICADE

ALL SIGNS, EXCEPT THOSE MOUNTED ON TYPE III BARRICADES SHALL BE MOUNTED ON DRIVEN POSTS AT A 7 FOOT BOTTOM HEIGHT.

DETOUR NOTES:

A DETOUR ROUTE IS NOT AVAILABLE FOR THE PROJECT LOCATION.



United States Department of Agriculture
Forest Service

EASTERN REGION

PROJECT NAME

**OTTER CREEK
TRAIL BRIDGE
FT33312**

**CHEQUAMEGON -
NICOLET
NATIONAL FOREST**

**LAKEWOOD-LAONA
RANGER DISTRICT**

DRAWING TITLE

**TEMPORARY
TRAFFIC
CONTROL**

DATE

7/10/2023

ARCHIVE NO.

DESIGNER

D.CARTER

DRAWN

J.ALLEN

CHECKED

G.JUNTILA

PROJECT NO.

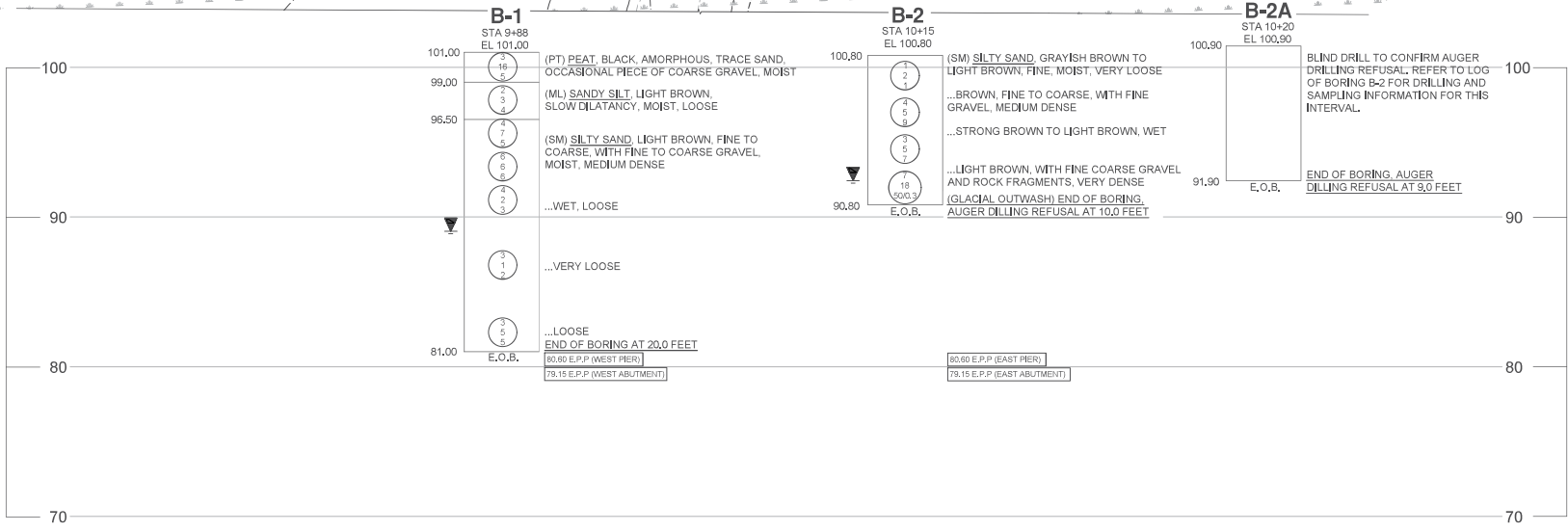
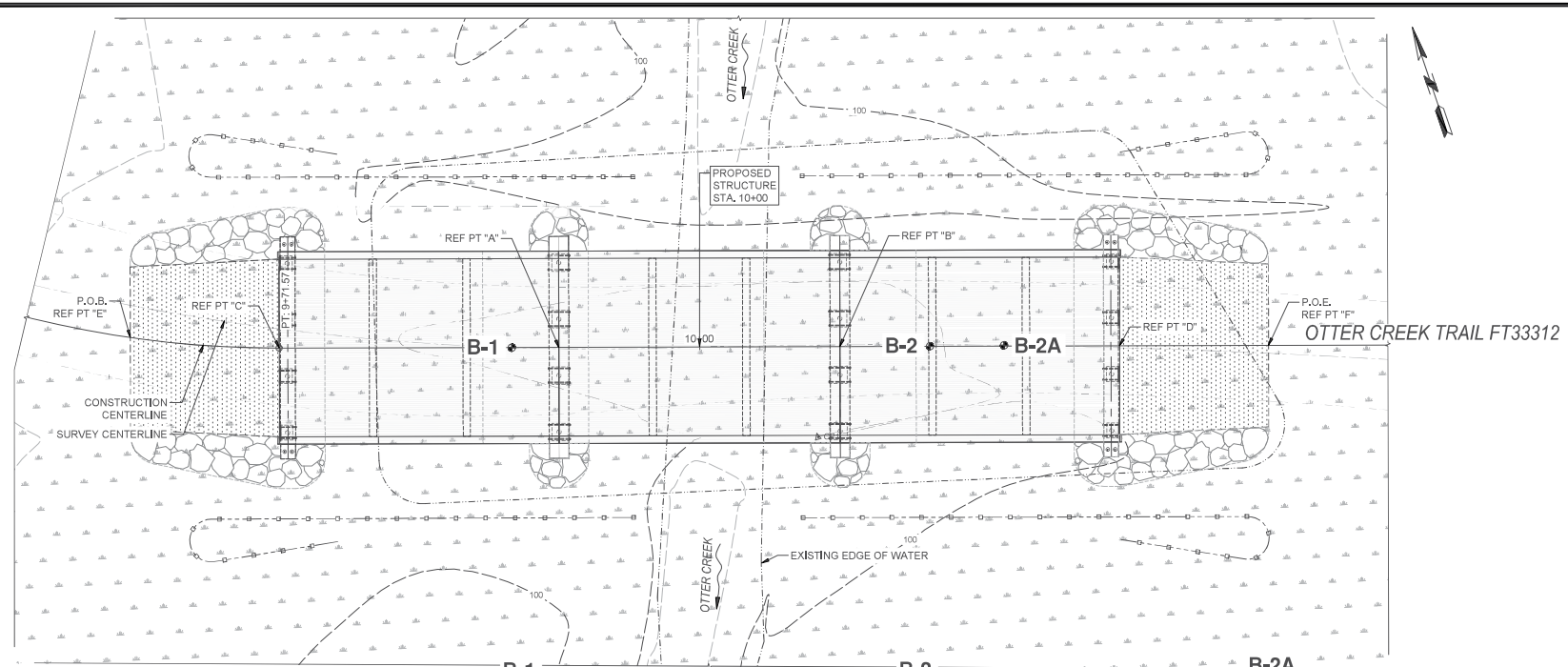
U28-02592


DWG SHEET NO.

C-03

SHEET 3 OF 8

7/10/23 11:29 JALLEN C:\USERS\JALLEN\WORK\2023\10 - CNF - OTTER CREEK\OTTER CREEK TRAIL BRIDGE FT33312.DWG





United States Department of Agriculture
Forest Service

EASTERN REGION

PROJECT NAME

OTTER CREEK TRAIL BRIDGE FT33312

CHEQUAMEGON - NICOLET NATIONAL FOREST

GREAT DIVIDE RANGER DISTRICT

DRAWING TITLE

SOIL BORINGS

DATE

7/10/2023

ARCHIVE NO.

DESIGNER	DWG SHEET NO.
D. CARTER	C-08
DRAWN	
J. ALLEN	
CHECKED	SHEET 8 OF 8
G. JUNTTILA	
PROJECT NO.	
U28-02592	