#69 Sauk Co Wisconsin River Bridge State of Wisconsin Motorized Recreation Grant Application Department of Natural Resources For: (choose all that apply) Form 8700-159 (R 04/22) dnr.wi.gov Page 1 of 5 ☐ ATV/UTV Trail Aid Due Date: April 15 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.). **DNR Use Only** Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Number Category Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your Community Services Specialist. Section 1: Applicant Information Applicant / Organization Name Check Recipient: Individual other than authorized individual to act on behalf of the applicant. Select if the same as applicant. Sauk County Individual Authorized to Act on Behalf of Applicant per Resolution Check Recipient Name (Name to Appear on Check) Sauk County Title Title Parks Operations Coordinator Address S7995 White Mound Drive S7995 White Mound Drive ZIP Code ZIP Code City State City State Hillpoint 53937 Hillpoint WI 53937 Telephone Number Email Address (608) 355-4800 jekka.alt@saukcountywi.gov Section 2: Project Information Required for all Projects **Project Title Current Funded Miles** New Miles (if applicable) Great Sauk State Trail & Walking Iron Trail -Wisconsin River Bridge 215.5 GPS Coordinates: Township Range Section 1/4 County ● E Lat. 43.265339 09 N OW 12 SW SE Sauk 6 Long. -89.727394 **Project Description Summary** Sauk County is requesting \$1,000,000 to help fund a snowmobile and pedestrian bridge over the Wisconsin River to connect Dane County's snowmobile and pedestrian trails to Sauk County's snowmobile and pedestrian trails. This bridge would connect the Great Sauk State Trail and Walking Iron Trail, but also connect snowmobile trails from Sauk, Dane, Columbia and Iowa counties. The current trail, Corridor 21/34, is approximately 0.89 miles in length and travels on a full road route in the Village of Prairie du Sac on County Highway PF/Prairie Street. As a result of being a County Highway, this route/road is plowed every snowfall. It also has street parking and sidewalks on a majority of length of the trail. This trail eventually crosses the Highway 60 bridge to connect with the Columbia County snowmobile trails, through nine city blocks and two busy intersections. As part of this application, approximately 1.55 miles of trail is requested for maintenance funding. The proposed new trail location will allow users to access the bridge, but also access to lodging, food and fuel. I certify that all maintenance land use agreements are on file. **Estimated Cost** Maintenance Bridge Rehab. Total Estimated Cost Acquisition Insurance Development Trail Rehab. \$465.00 \$1,000,000.00 \$1,000,465.00 Leave Blank - DNR Use Only **Applicant Certification** Printed Name of Authorized Official Official's Title Parks Operations Coordinator Jekka Alt

As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct

04/12/2023 Date Prepared

Motorized Recreation Grant Application

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Appendix A – Required for	r Bridge	Rehal	o/Rep	lace, N	ew, or	Rerout	e with New Br	idge
☐ Bridge Rehab/Replace	⊠ Ne	w Brid	ge	□R	eroute v	vith new		
County	Township	Range	⊙ E	Section		1/4	GPS Coordinate Lat. 43.2653	339
Sauk	09 N	6	Ow	12	SW	SE	Long89.727	
Water Body Name				Brid	lge Nam	е		County Inventory Number
Wisconsin River				N/2	4			N/A
Funded Trail Name or Number (SN	NARS if app	licable)			_	ever received deve	lopment or rehabilitation funds
H3				in ti	ne past?	O Y€	es No Ye	ear:\$
Bridge is located on: O Private	property			Old	Bridge/0	Culvert S	ize	
Public	property			Nev	w Bridge	Culvert S	Size 502' x 16'	
Landowner Where Bridge is Locate	ed			Tel	ephone N	Number	rail Use Agreement (5 year	
Wisconsin Department of Tran	sportation			(60	8) 264-	7268	10 years	minimum)
Current maximum load	0	lbs.	Age of	Bridge	Bridg	ge Materi	al	
Proposed maximum load 2:	5,000	lbs.	N/A		Wea	thering	steel	
Sponsoring Club Name				Club C	Contact			Telephone Number
Honey Creek Snowmobile Clul	b			Greg	Spreche	er		(608) 393-2504
Do you have your trail bridges pos		aximun Yes (groom	ed with t	his bridge	e?	dges on the system if
What is the weight of your puller &	drag/gradir	ng equi	pment?	The S	auk 26	bridge h	olds 25,000 lbs.	
Approximately 22,500 lbs.								
What other recreational trail uses a	are planned	for this	bridge	?				
Pedestrian and bicycle								
If there are other Recreational use	s planned,	how mu	uch of t	he bridge	cost will	be paid	for by non-snowm	obile or non-ATV users?
Approximately 90%, or \$9,000	,000							
Yes	cted your lo	cal DN	R Wate	er Manag	ement S	pecialist	(WMS) regarding a	a permit?
● Yes ○ No Is a permit need								5/1/5/1/5/1/5
							in determination?	
• Yes O No Will an H & H (1.78.57			0.00	2000		

Bridge Project Detailed Description

If kept in the same location, the current trail may need to be lengthened due to housing or business expansion in the future, however, it is the desire of the Village of Prairie du Sac to relocate this snowmobile trail due to complaints. Although the Village is fully aware and supportive of this bridge project, if they were to remove snowmobile access from the current route, and this bridge project would not occur, snowmobile users would have to travel approximately 40 miles to cross the Wisconsin River in Spring Green. Regarding easements, snowmobiles will travel along road right-of-way for less than two village blocks before having to travel on private property. The subsequent landowner has granted a 10-year land use agreement for snowmobile use. This is a mandatory reroute of Corridor 21, connecting Dane and Sauk counties over the Wisconsin River. Both counties are on board with this project and have agreed that Sauk County will be the sole Motorized Recreation Grant applicant for this bridge project. According to Sam Landes, on the Dane County side, there is a Rails to Trails application in progress, as well as 5 smaller sub structures that will need rehabilitation. It is the assumption that Dane County would apply for funding for a portion of the decking and railing, as well as 0.5 miles for a new mileage request. The current estimated cost for the design, engineering, structure and construction is estimated at \$9,739,335. Sauk County is requesting approximately 10% of the project cost, as snowmobiles are estimated to participate in approximately 10% of the use of the bridge as a normal average. Due to the magnitude of this project, only one estimate has been calculated from the engineer. In conclusion, this bridge will create a significantly safer crossing for snowmobile traffic and connect multiple counties together.

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Appendix A (continued)

Cummariza	Carte	in A	nnron	riata	Catan	arias
Summarize	COSIS	шА	บบเบบ	Hate	Caleu	ures

			Bridge Structure	
			Quote 1 Steel	Quote 2 Steel Wooden
Bridge	e Dimensions:		504' x 16'	
Bridge	e Manufacture	r: To be de	termined via public bid	
Desig	n Weight Load	d	25,000 lbs.	lbs.
Cost	of Structure:	1. Engineering	\$ <u>1,234,525</u>	\$
		2. Structure	\$	\$
		Subtota	al \$ <u>1,234,525</u>	\$
			Quote 1	Quote 2
Instal	lation Costs:	(Contractor or Sponsor Estimate	Contractor or Sponsor
1.	Engineering		\$	\$
2.	Site Preparat	ion	\$ 1,261,250	\$
3.	Abutments		\$ 1,734,610	\$
4.	Pilings/Piers		\$ 2,433,425	\$
5.	Approaches		\$	\$
6.	Riprap		\$ 75,040	\$
7.	Labor		\$	\$
8.	Equipment R	ental	\$	\$
9.	Culverts		\$	\$
10.	H & H Study		\$	\$
11.	Wetland Deli	neation	\$	\$
12.	Other Super	structure + deck	\$ 3,000,485	\$
		Subto	tal \$8,504,810	\$
		Total Co	ost \$ 9,739,335	\$

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

En	tire Deck and Railing	Projects	O Contractor	○ Sponsor	O Club	
Bri	dge Dimensions;			- 7 9		
De	sign Weight Load		lbs.			
1.	Materials	\$				
2.	Labor	\$				
	Total \$					

Guidelines for Applicant

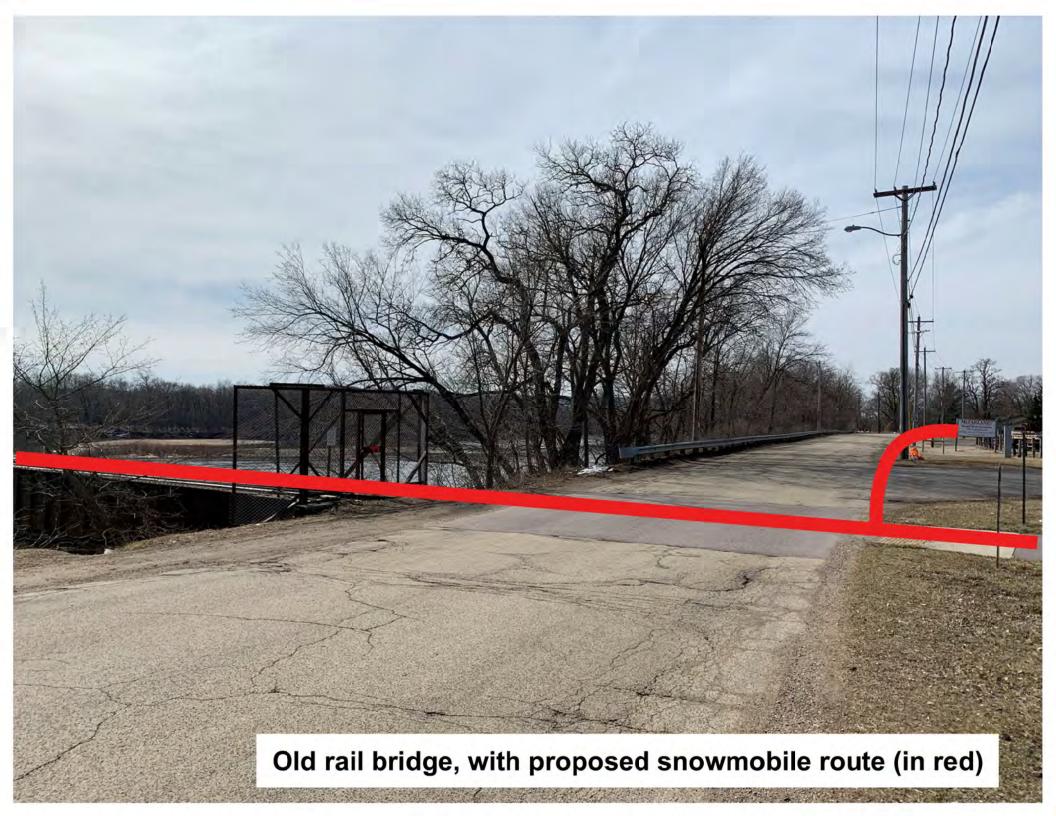
Complete this form for each new bridge structure you are submitting a grant application for. Provide any additional documents not requested on application checklist to substantiate your points other than the actual easements.

Category	Possible Points	Actual Points
1 Permits (maximum points 10)		
Consultation with DNR Water Mgmt Specialist has occurred and permit is likely	5	5
2 Project Location (maximum points 10)		
Project is located on public land	10	10
Project is located on private land	5	7
3 Funding (maximum points 5) Are other funds already committed?		
50% or greater from other funding source(s)?	5	5
11% - 49% from other funding source(s)?	3	
4 Length of Written Easements (max points 17)(ch. 23.09(26)(am)1 WI Stats)		
On public land (County, State, Federal) (with a written agreement)	17	17
20 years or more on private land or other public land	15	
10-19 years on private land or other public land	12	-
6-9 years on private land or other public land	10	
3-5 years on private land or other public land	5	
5 Type of Trail (maximum points – 10)		
Corridor trail	10	10
Non-corridor trail	8	
6 Miles Impacted – How many miles will need to be rerouted if the structure is not replaced? (maximum points – 20)		
1-5 miles	5	5
6-10 miles	10	-
Over 10 miles	15	
Unable to Reroute. Explain:	20	
7 Long term Cost of Structure (maximum points - 25) Calculate total application cost / number of miles impacted = cost per mile.		
\$1,000 - \$2,500/mile	25	
\$2,501 - \$5,000/mile	20	
\$5,001 - \$10,000/mile	15	
\$10,001 - \$20,000/mile	10	
\$20,000 and over	5	5
DEDUCTIONS		
8 County Active Project Deduction (maximum deductions 10 points) A snowmobile active project is one that has exceeded it's initial grant period.		
One active project - deduct 5 points	-5	
More than one active project - deduct 10 points	-10	
9 Incomplete Application Deduction (Identified by CSS)	-10	
Optional Additional Points		P =
O County Coordinator Priority Points (10 pts per County)	10	10
GRAND TOTA	L	67



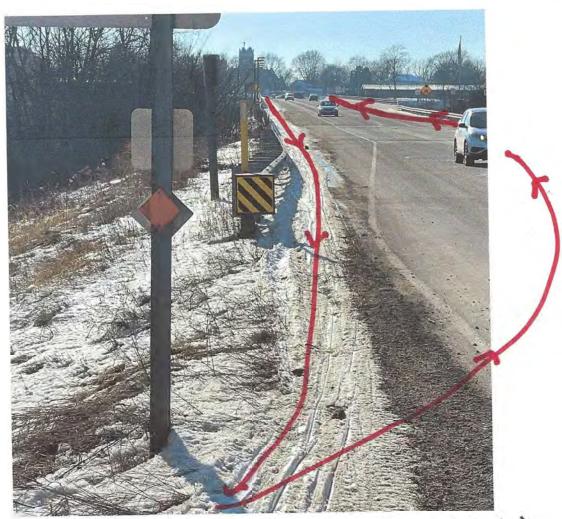








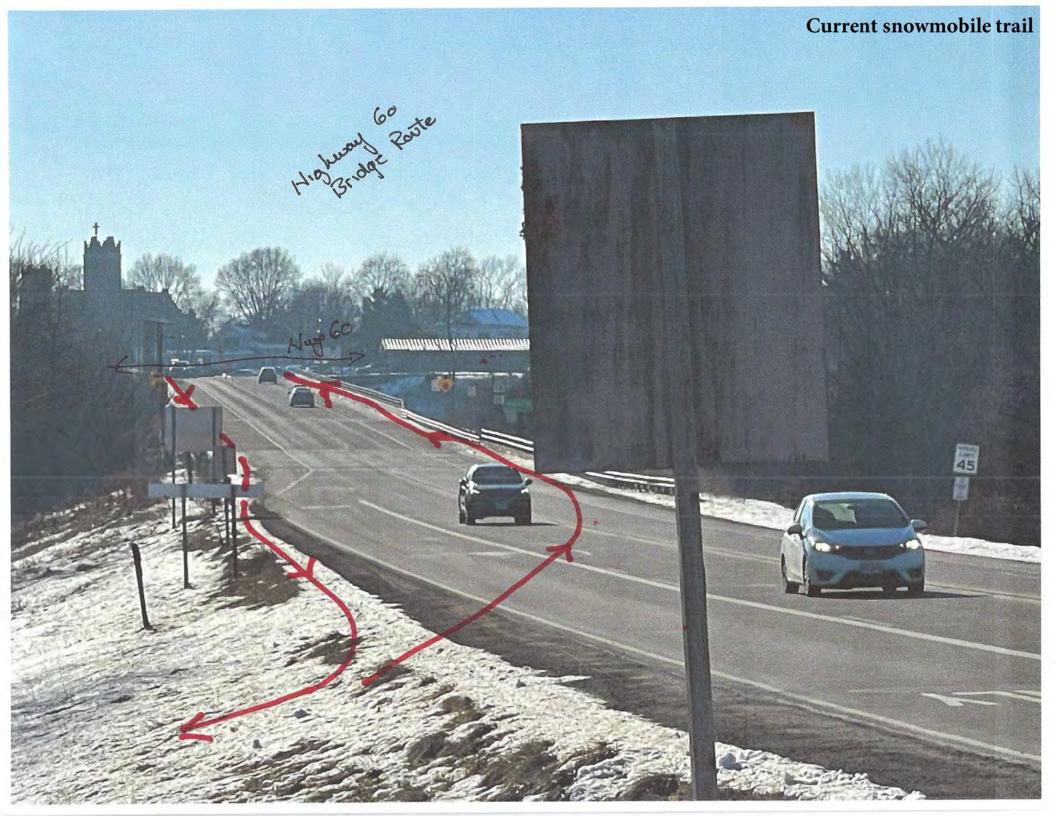
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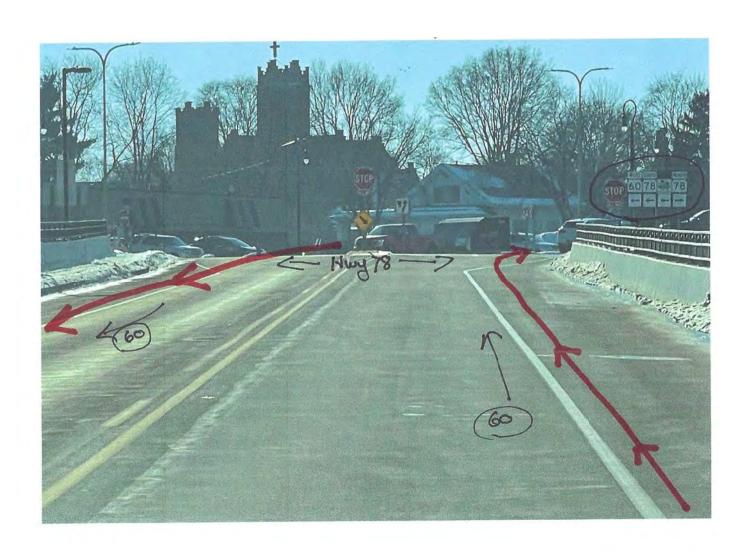


East Side OF Bridge Dave Glumbia co Side



East Side of Bridge



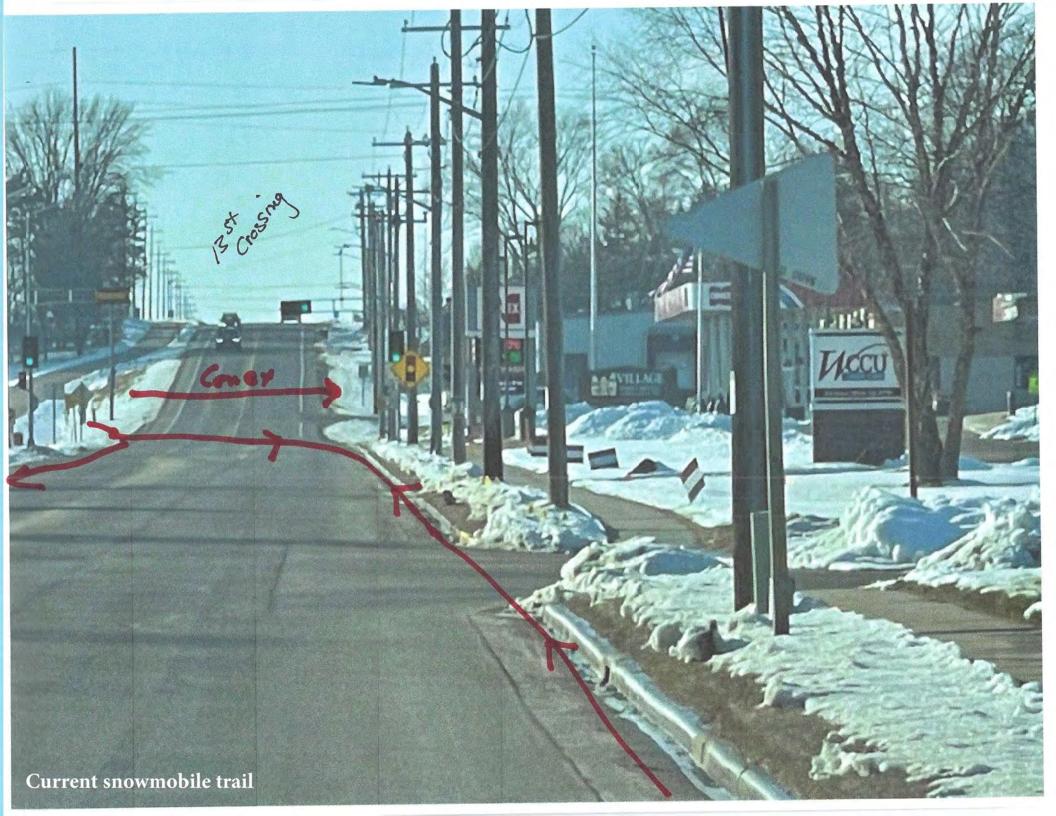




Snowmobiles Required To Stuy off OF the Sidewalk - Front Lawns





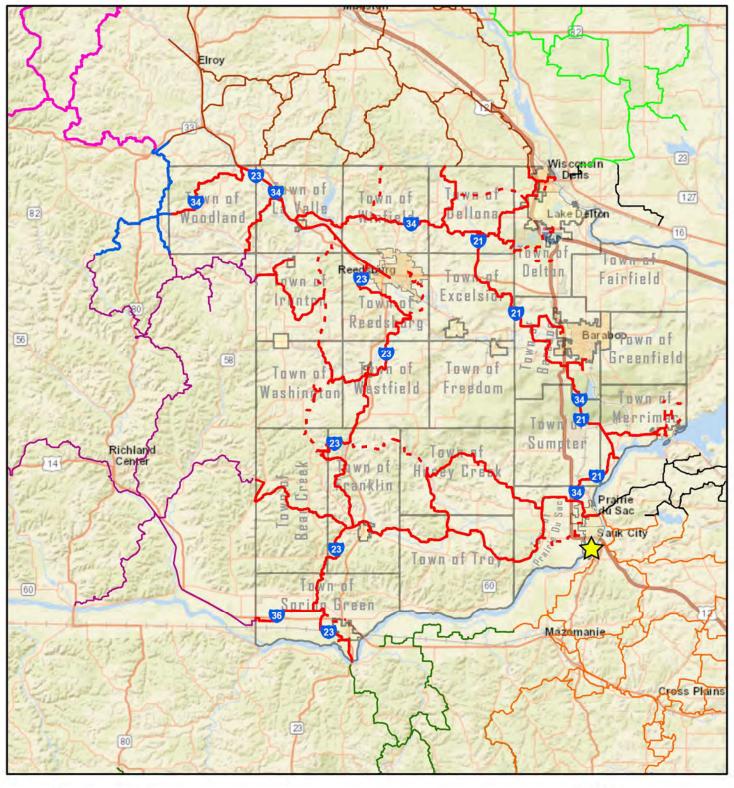




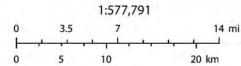




Sauk County Snowmobile Trail Map

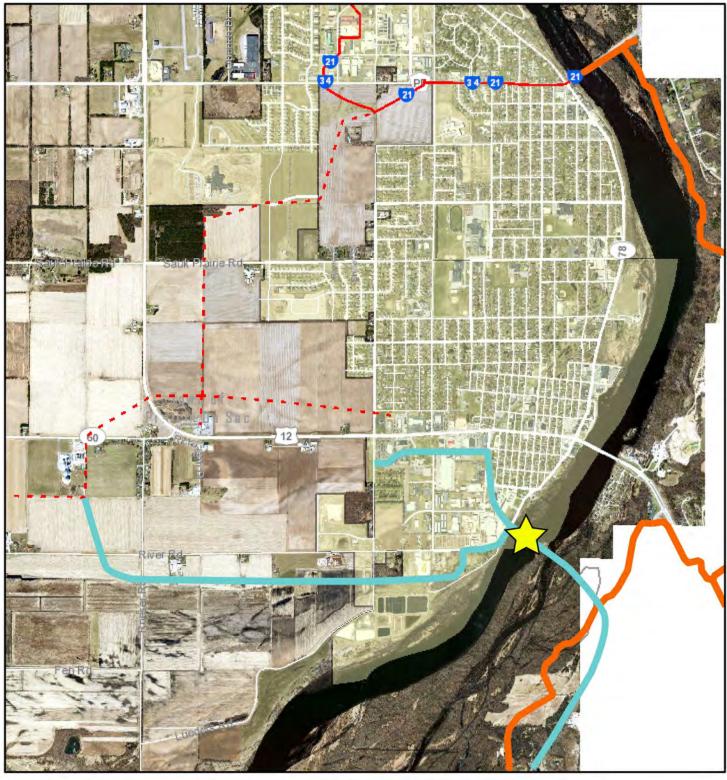


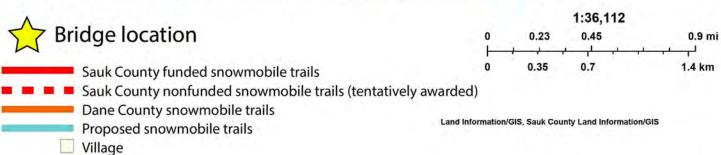




Sauk County Land Information/GIS, Esri, HERE, Garmin, NGA, USGS, NPS

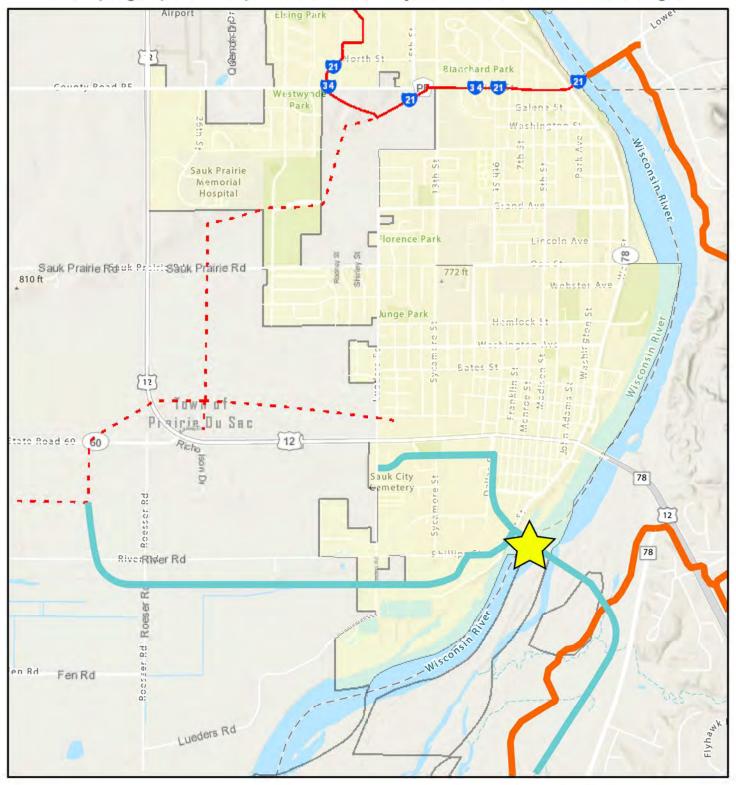
Aerial Map - Sauk County Snowmobile Trail Bridge

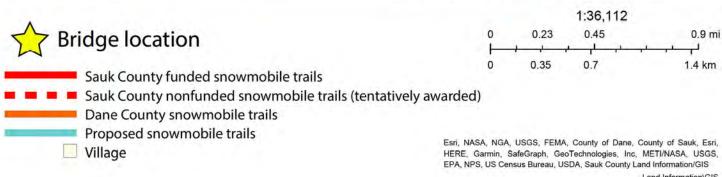




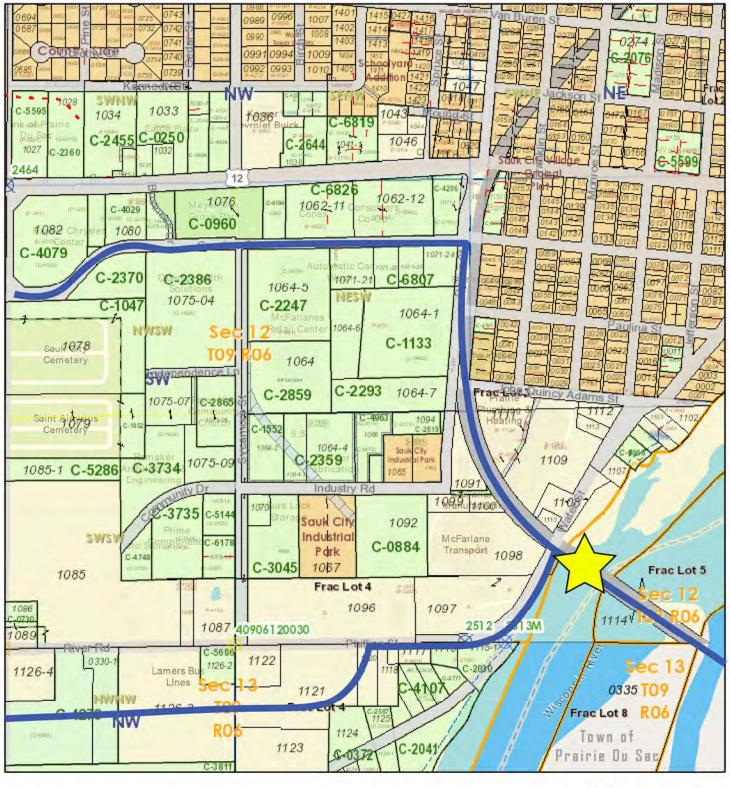
Wetland Map - Sauk County Snowmobile Trail Bridge formation/GIS, U.S. Department of vation Service, Calvin Lawrence, ngriculture, Natural Resources ennis Weise, Nina Rihn, Sauk County P Wetland class area Bridge location **DNR Wetland Filled Area** SAUK COUNTY NRCS Hydric Soil Sauk County nonfunded snowmobile trails (tentatively awarded) NRCS Predominantly Hydric Dane County snowmobile trails NRCS Partially Hydric Proposed snowmobile trails NRCS Predominantly Non-Hydric FOR INFORMATIONAL PURPOSES ONLY Sauk County does not attest to the accuracy of the data contained herein and makes no warranty with respect to the correctness or validity. Data contained in this map is limited by the method and accuracy of its collection.

Topographic Map - Sauk County Snowmobile Trail Bridge

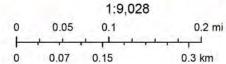


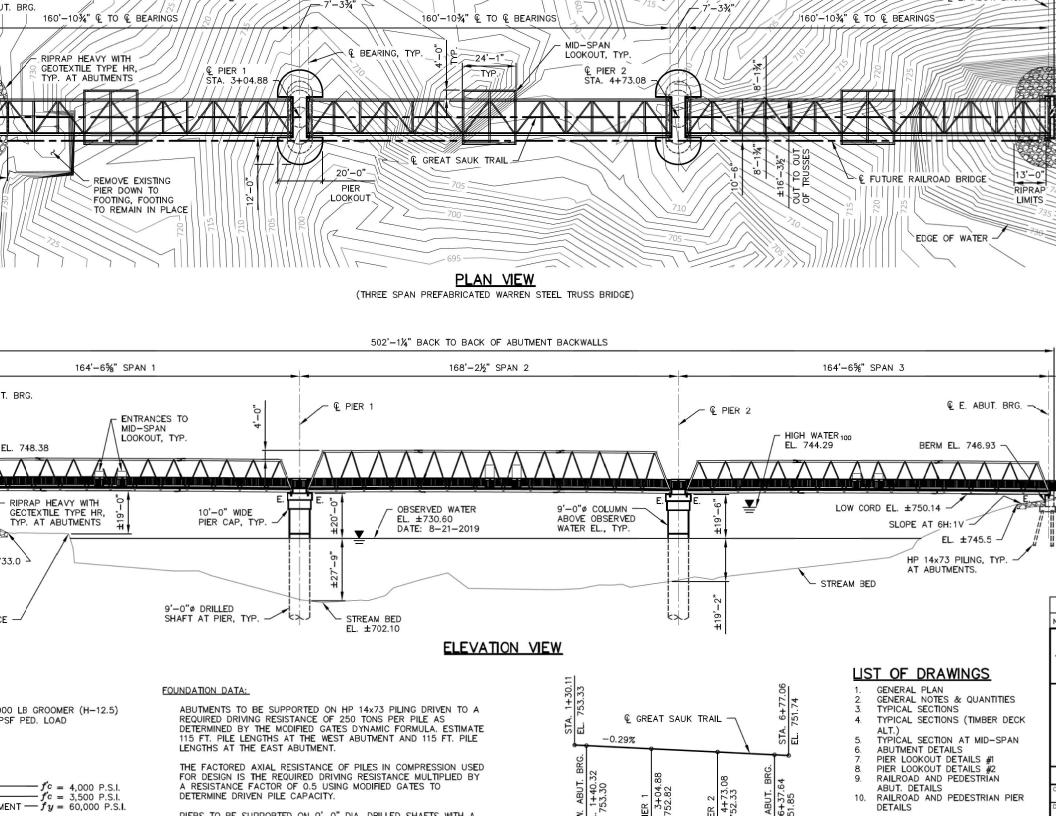


Plat Map - Sauk County Snowmobile Trail Bridge









FICATIONS FOR HIGHWAY AND GOVERN.

BARS ARE IN ENGLISH. ALL FEET.

BE EMBEDDED 2" CLEAR UNLESS

THE BAR MARK SIGNIFIES THE

TE 34" UNLESS OTHERWISE NOTED.

MENTS SHALL BE COVERED WITH PE HR TO THE EXTENT SHOWN ON

E USED AS THE UPPER LIMITS

LL VOLUME WHICH CANNOT BE UCTION AND IS NOT OCCUPIED BACKFILLED WITH STRUCTURE

M "PREFABRICATED STEEL TRUSS ST OF COORDINATING THE TING THE 3—SPAN IE INCLUDING ALL BRIDGE SHOWN. CAST—IN—PLACE EPARTELY UNDER THE BID ITEM IN THE REINFORCEMENT UNDER SEMENT HS COATED

PLACED / ADJUSTED AS NECESSARY TO AVOID INTERFERENCE WITH DRILLING HOLES FOR THE PREFABRICATED BRIDGE ANCHOR BOLTS. COORDINATE WITH THE BRIDGE MANUFACTURER TO VERIFIED THE LOCATIONS OF THE ANCHOR BOLTS. THE PREFABRICATED TRUSS SHALL BE ERECTED IN ITS FINAL POSITION FRIOR TO DRILLING HOLES FOR AND PLACING THE ANCHOR BOLTS.

ALL PREFABRICATED TRUSS BEARINGS, ANCHOR BOLTS AND ANCHOR SYSTEM COMPONENTS SHALL BE SUPPLIED BY THE BRIDGE MANUFACTURER.

THE MAXIMUM CENTERLINE CAST—IN—PLACE CONCRETE DECK TO LOW CHORD ELEVATION FOR THE PREFABRICATED TRUSS SHALL 1'-8½". THE VERTICAL DISTANCE FROM THE TOP OF THE CAST—IN—PLACE CONCRETE DECK TO THE CONCRETE BEARING SEAT SHALL BE $2^\prime-2^{\prime\prime}$. ANY ADJUSTMENT TO THE BRIDGE SEAT ELEVATION SHALL BE APPROVED BY THE ENGINEER.

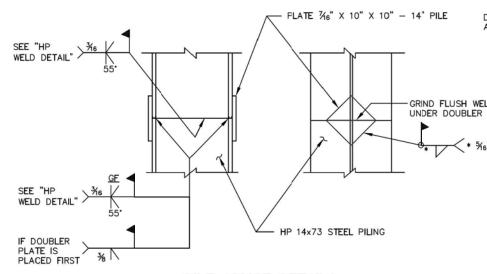
APPLY BRIDGE SEAT PROTECTION, PER SECTION 502.3.12 OF THE STANDARD SPECIFICATIONS, TO THE TOP SURFACES OF BOTH ABUTMENTS BELOW EXPANSION DEVICES.

PROTECTIVE SURFACE TREATMENT TO BE APPLIED TO THE DECK PER THE STANDARD SPECIFICATIONS.

STAINING OF PIERS LOCATED IN THE WATER SHALL BE APPLIED AT LOW WATER CONDITIONS.

IF TOUCH UP STAINING IS REQUIRED AFTER INSTALLATION IS COMPLETE, ALL TOUCH UP STAINING IS TO BE DONE TO THE SATISFACTION OF THE FIELD ENGINEER AT NO ADDITIONAL COST.

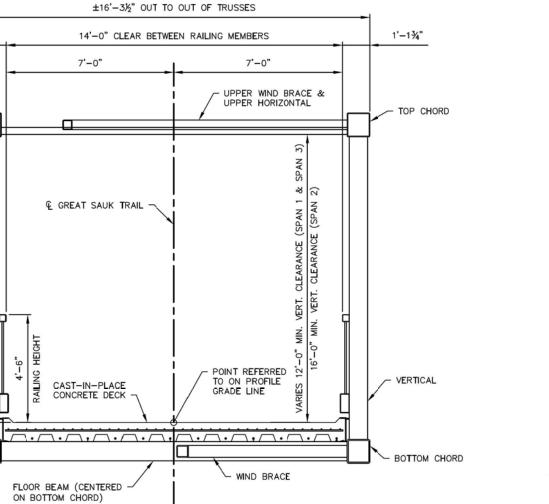
THE EXISTING STRUCTURE SHALL BE REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS.



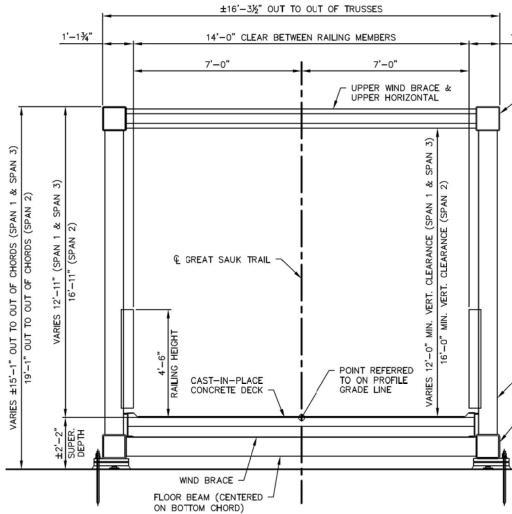
PILE SPLICE DETAILS

QUANTITIES

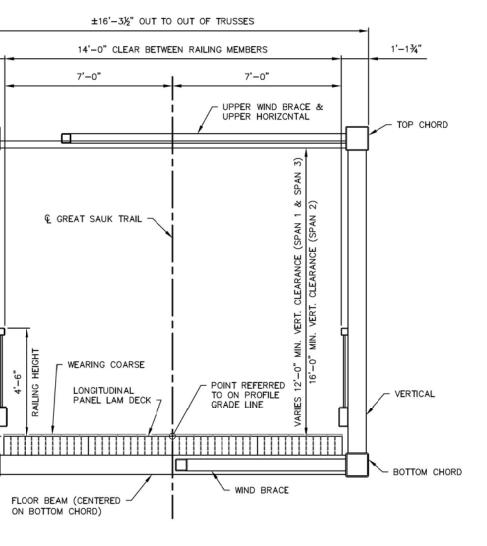
BID ITEMS	UNIT	W. ABUT.	PIER 1	PIER 2	E. ABUT.	SUPER.	TOTALS
OLD STRUCTURE OVER WATERWAY WITH MINIMAL	LS						1
N FOR STRUCTURES BRIDGES	LS						1
STRUCTURE TYPE A	TON	60			90		150
MASONRY BRIDGES	CY	50	128	128	64	178	548
E SURFACE TREATMENT	SY					744	744
REINFORCEMENT HS STRUCTURES	LB	4,300	60,000	60,000	5,500	25,000	154,800
JBULAR SCREENING	LF					298	298
D MEMBRANE WATERPROOFING	SY	7			7		14
STAINING	SF	388	998	998	661		3,045
URAL SURFACE TREATMENT	SF	333			658		991
rs	EACH	8			6		14
EL HP 14-INCH X 73 LB	LF	920			680		1,600
AVY	CY	146			126		272
RDRAIN WRAPPED 6-INCH	LF	50			100		150
E TYPE DF SCHEDULE A	SY	31			14		45
E TYPE HR	SY	174			151		325
HAFT CONCRETE MASONRY	CY		271	271			542
NG OF DRILLED SHAFT	EACH		1	1			2
FEATURES	EACH						2
HAFT FOUNDATION 108-INCH DIAMETER	LF		115	115			230
ATED STEEL TRUSS BRIDGE INSTALLATION	LS						1



TYPICAL SECTION IN SPAN

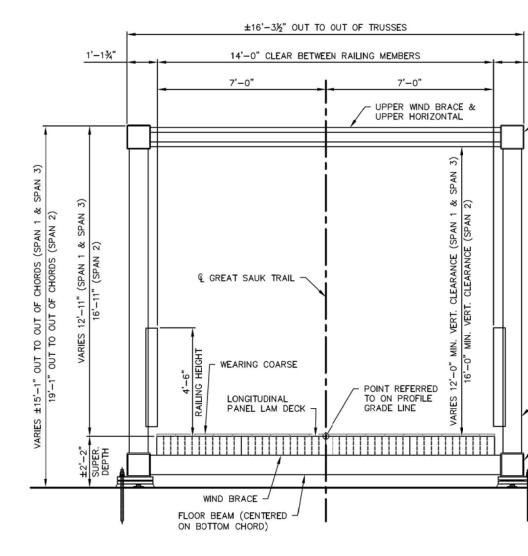


TYPICAL SECTION AT ABUTMENTS AND PIERS



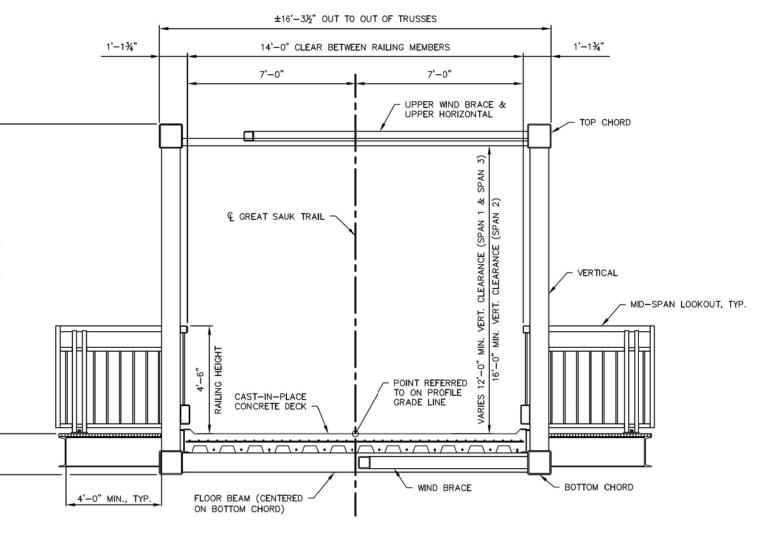
TYPICAL SECTION IN SPAN

(TIMBER DECK ALTERNATIVE)

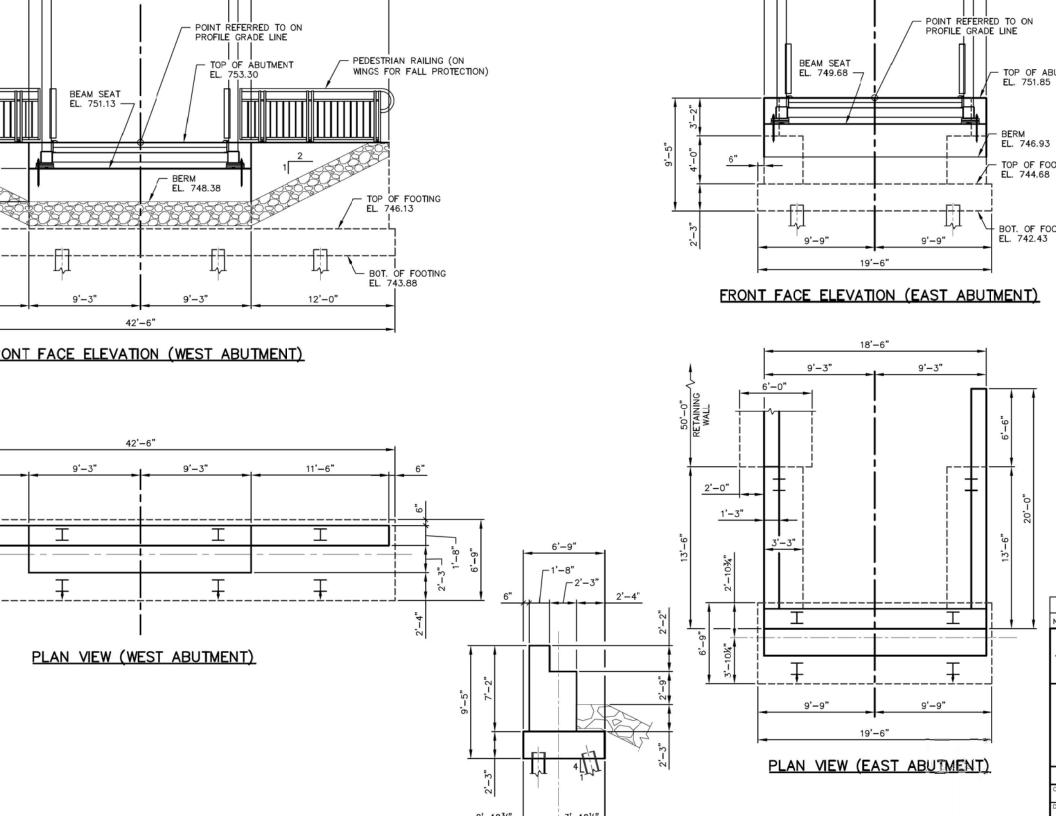


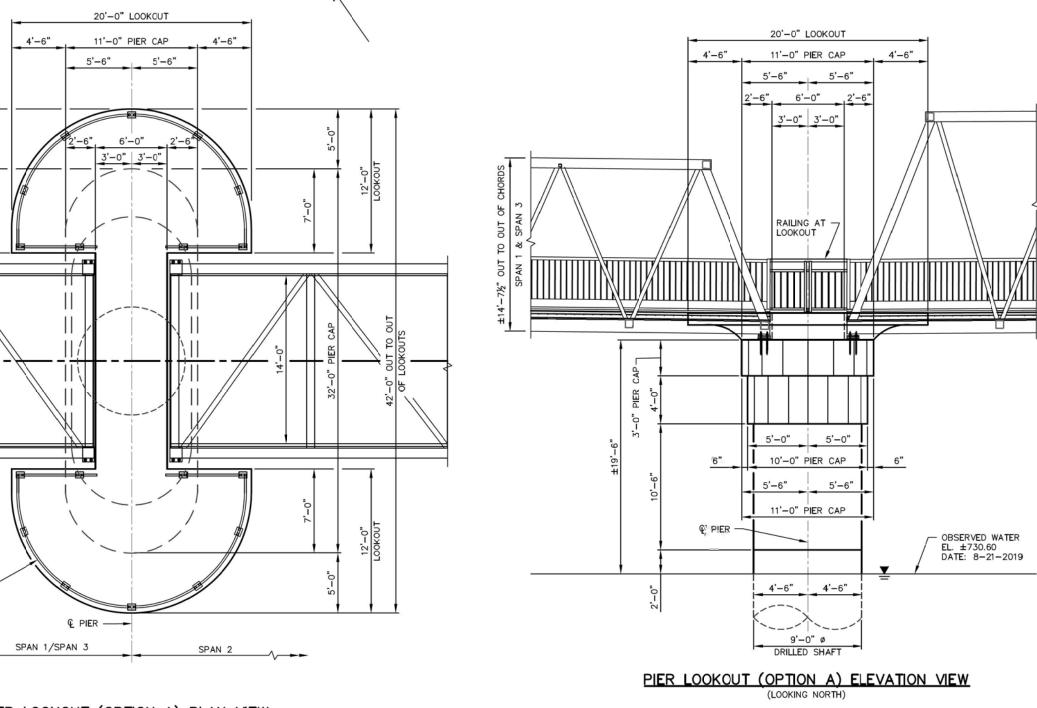
TYPICAL SECTION IN ABUTMENTS AND PIERS

(TIMBER DECK ALTERNATIVE)

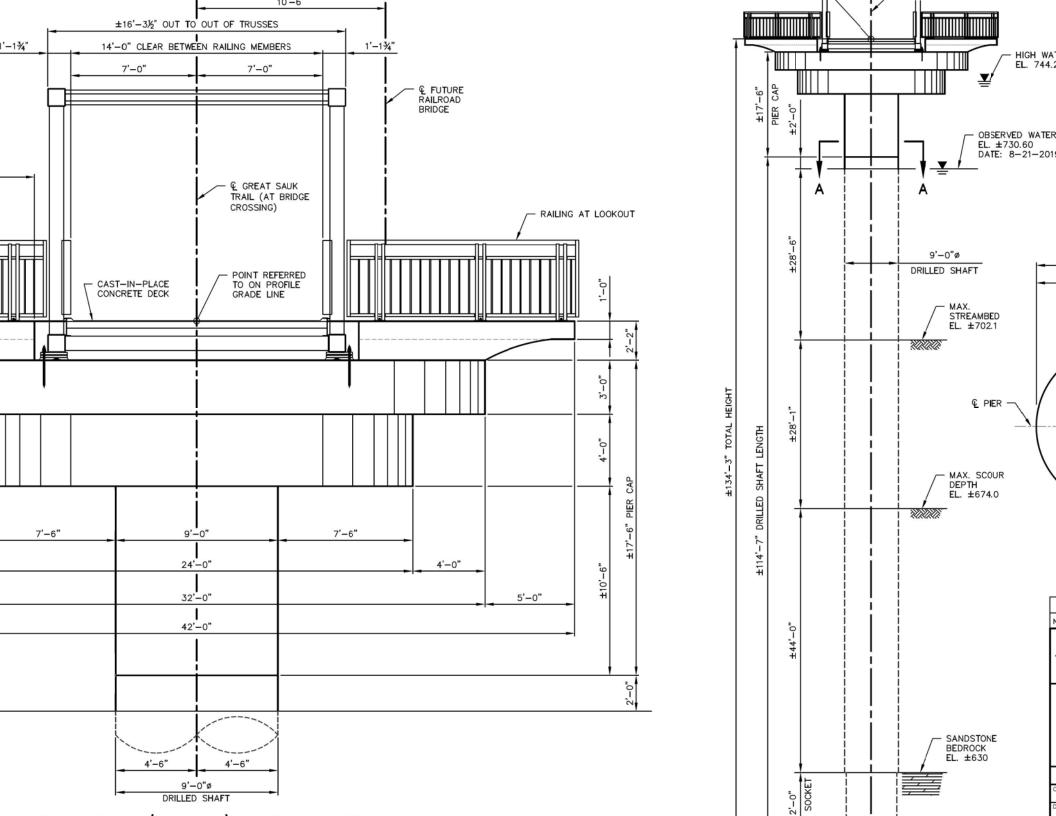


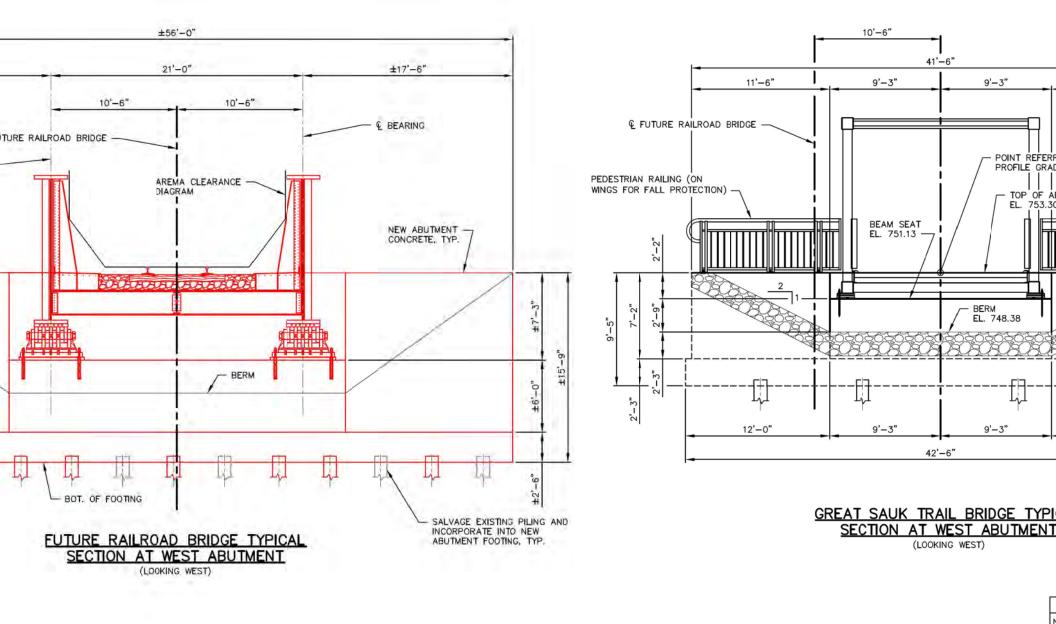
TYPICAL SECTION IN SPAN AT MID-SPAN LOOKOUT

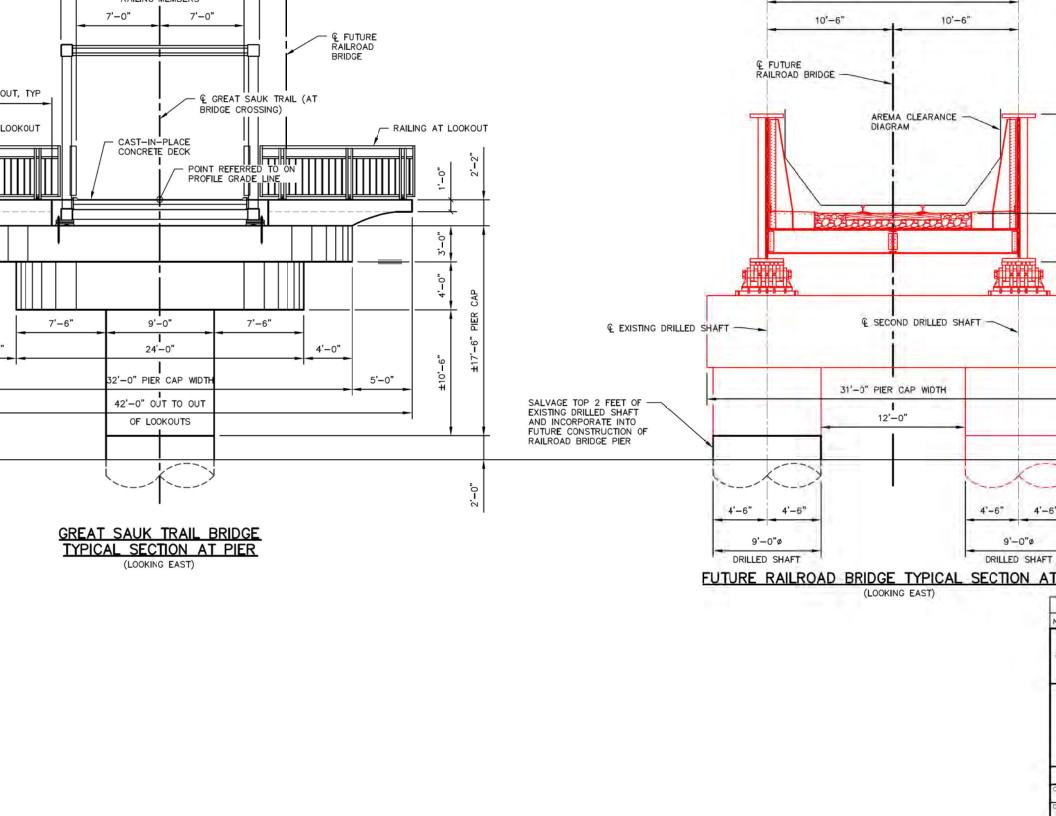




R LOOKOUT (OPTION A) PLAN VIEW







View 1 - Sauk County Snowmobile Trail Bridge





View 2 - Sauk County Snowmobile Trail Bridge







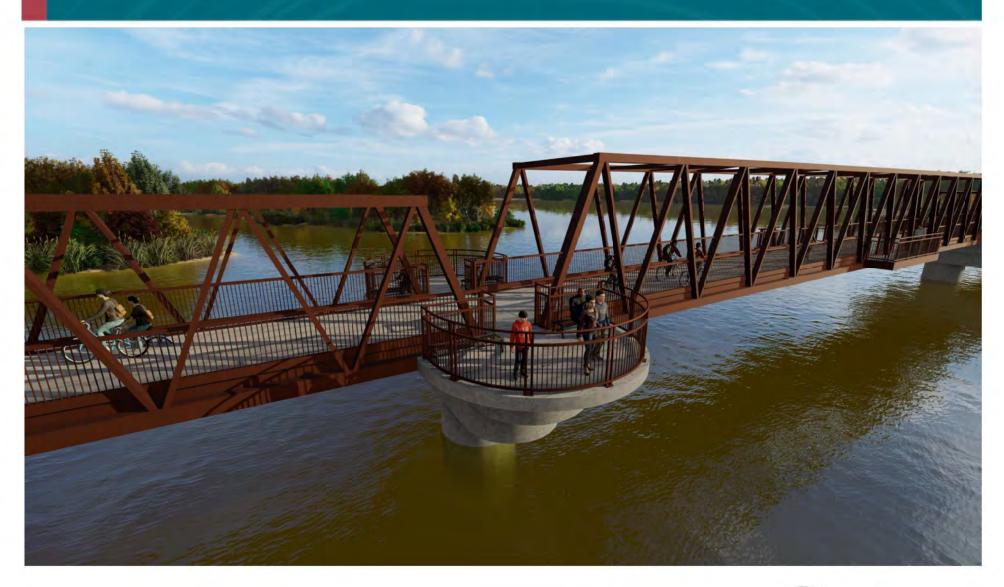
View 3 - Sauk County Snowmobile Trail Bridge







Pier Lookout - Sauk County Snowmobile Trail Bridge







Mid-Span Lookout - Sauk County Snowmobile Trail Bridge







Gateway - Sauk County Snowmobile Trail Bridge

