#69 Iron Co Trail 182 Relocation

State of Wisconsin Department of Natural Resources

dnr.wi.gov

Due Date: April 15

Motorized Recreation Grant Application

For: (choose all that apply)

Form 8700-159 (R 02/2024)

Page 1 of 5

	ATV/UTV Trail Aid
\times	Snowmobile Trail Aid

Notice: Completion of this form is required u financial assistance. Personally identifiable in Natural Resources (DNR) may provide this in	formation	found on thi	is form	is not intende	ed to be	used for any other	purpose	e. The I	Department of				
Instructions: Applications may combine	more tha	n one sour	ce of f	unds. They	may		ONR Us	e Only					
be submitted for consideration of tradition Stewardship funding. Submit one copy of necessary attachments. Send application	all forms	and attach	ments	. See Page :	2 for	Category			Number				
Section 1: Applicant Information			The state of	TO SUNDA		SASTINES IN	To said	N. T.	TO COLOR OF THE				
Applicant / Organization Name				Check Recipient: Individual other than authorized individual to act									
Iron County Forestry Department				on behalf of the applicant. Select if the same as applicant.									
Individual Authorized to Act on Behalf of A	Applicant	per Resolu	tion	Check Rec	ipient	Name (Name to A	ppear o	on Che	ck)				
Eric Peterson													
Title				Title									
Forest Administrator													
Address			Address										
607 3rd Ave N Suite 2													
City	State	ZIP Code		City				State	ZIP Code				
Hurley	WI	5453	4										
Telephone Number	Email	Address											
(715)561-2697	icfadr	nin@iron	count	yforest.org									
Section 2: Project Information Requir	ed for al	l Projects				BL XX		100	PARTY AND THE				
Project Title				C	urren	t Funded Miles	New N	Ailes (if	applicable)				
Trail 182 West Road Trail Relocation	1												
County Towns	hip Rang	ge _ S	Section	1 1/4 1/4 1	1/4	GPS Coordinate							
Iron 41	N 3	⊙E ○W	30	SW▼	sw-	Lat. 45.997 Long90.173							
Project Description Summary													
See attached													

Estimated Co	st					Ex s(m) Missile various				
Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost				
			32,331.40							
		5 354	Leave Blank - DNR	Jse Only		The same of the bearing to				
Applicant Cer	tification	TSP SWEET TO BE	S. III S. F. S. F. W. S. N. G.		off programme and					
Printed Name of	of Authorized Offici	ial	Offic	Official's Title						
Eric J Peterso	n		For	Forest Administrator						

Signature of Authorized Official

Date Prepared

Motorized Recreation Grant Application

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Appendix A – Required for Bridge Rehab/Rep	olace	. New	or Reroute	with New B	ridae
☐ Bridge Rehab/Replace ☐ New Bridge	100	1077	ute with new b		
County Township Range	3	tion 1/4		GPS Coordinate Lat. 45-997	1999 and
Iron 41 N 3 OW	1 2	0 S	W SW	Long90.17	
Water Body Name		Bridge	Name		County Inventory Number
UnnamedStream					
Funded Trail Name or Number (SNARS if applicable)				er received deve	elopment or rehabilitation funds
182		in the p	oast? O Yes	O No Y	ear:\$
Bridge is located on: Private property		Old Bri	dge/Culvert Size	9	
Public property		New B	ridge/Culvert Siz	e 12'x30'	
Landowner Where Bridge is Located		Teleph	one Number	Length of T	rail Use Agreement (5 year
WDNR					minimum)
Current maximum load lbs. Age of	of Brid	ge	Bridge Material		
Proposed maximum load25,000 lbs.					
Sponsoring Club Name	CI	ub Con	tact		Telephone Number
Mercer Sno Goers		very B	randt		(715) 476-2888
Do you have your trail bridges posted as to maximum load?	21,000	hat is th	ne maximum loa with this bridge?	d of the other bi	idges on the system if
○ Yes ● No			with this bridge:		
What is the weight of your puller & drag/grading equipment	? 4.	5,000			
20,000					
What other recreational trail uses are planned for this bridg	e?				
None			70 SUICE - FRE 1981		
If there are other Recreational uses planned, how much of	the br	idge co	st will be paid fo	r by non-snown	nobile or non-ATV users?
Yes No Have you contacted your local DNR Wat	ter Ma	nagem	ent Specialist (V	VMS) regarding	a permit?
● Yes O No Is a permit needed? (Please provide any	y writt	en corr	espondence fror	n WMS.)	
Yes No Have you contacted your County Zoning	Dept.	. regard	ling a floodplain	determination?	
Yes No Will an H & H (hydrologic and hydraulic)) study	y be rec	quired?		
Dalla Baria A Baralla I Baralla I					

Bridge Project Detailed Description

See Attached



IRON COUNTY FORESTRY DEPARTMENT

607-3RD AVENUE NORTH - SUITE 2 • HURLEY, WISCONSIN 54534 PHONE: (715) 561-2697 • FAX: (715) 561-4601

"Trail 182 West Road" Project

Narrative

The Trail 182 West Road Project is a discretionary relocation of Trail 182 within the Town of Sherman in Iron County. This project will relocate 0.35 miles of snowmobile trail from ash swamplands on State of Wisconsin – Turtle Flambeau Flowage property to higher ground within the WisDOT Hwy 182 Right-Of-Way and DNR lands.

This 0.35-mile segment has been an annual issue with getting Trail 182 open and allowing for connection to Price County due to high groundwater tables and continual movement of groundwater within the swampland. The Mercer Sno-Goers snowmobile club tried cribbing and corduroying the worst waterholes throughout this segment and even obtained a wetland fill permit from the WDNR to try and remedy the situation. These efforts proved unsuccessful as once one waterhole was repaired others continually opened. In discussions with DNR staff, the relocation of this trail will ultimately protect sensitive wetlands and regardless, additional wetland fill may not be permitted, leaving the trail unusable for much of the winter season.

This project proposes to relocate Trail 182 at its departure from West Road to the ROW of Highway 182. This ROW would need only limited brush mowing and 2 small culverts before the new trail would leave the WisDOT parcel and return to DNR Turtle Flambeau Flowage property. As the relocated trail enters DNR property there is a small stream that will need to be bridged. This crossing will require a 12'X30' steel substructure, wood decked bridge with 8-foot ramps on approaches. The bridge will meet required design standards for a snowmobile bridge (25,000# max) and necessary requirements to receive a DNR General Permit for a free span bridge. After crossing the bridge approximately 300' of new trail would need to be constructed to rejoin the existing Trail 182. The entire project would be located on high ground allowing for grooming and public use with minimal snow.

Onsite meetings with WDNR staff have occurred and no objections have been raised to the project. The Turtle Flambeau Flowage is currently under Master Plan revisions and this project will be incorporated into the new Master Plan to allow for the relocation project. The new bridge structure will need final approval from DNR Engineers before construction can occur.

Motorized Recreation Grant Application

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	Bridge Structure	Skilly Treso-	Mary Control of the Control
	Quote 1		Quote 2
	Steel	(Steel
Bridge Dimensions:	12'x30'		12'x30'
Bridge Manufacturer: Force Acco	ount	Wheeler Lun	nber
Design Weight Load	25,000 lbs.	-	25,000 lbs.
Cost of Structure: 1. Engineering	\$	\$	8
2. Structure	\$ <u>18,179.10</u>	\$	48,000
Subtotal	\$ 18,179.10	\$	48,000.00
	Quote 1		Quote 2
0	Contractor or Sponsor	O C	ontractor or Sponso
nstallation Costs:	Estimate		Estimate
1. Engineering	\$	\$	S
2. Site Preparation	\$ 480.00	\$	480.00
3. Abutments	\$	\$	S
4. Pilings/Piers	\$	\$	S
5. Approaches	\$	\$	
6. Riprap	\$	\$	S
7. Labor	\$ 7,434.00	\$	3,500.00
8. Equipment Rental	\$ 4100.50	9	2,000.00
9. Culverts	\$	9	S
10. H & H Study	\$	\$	
11. Wetland Delineation	\$	9	
12. Other	\$	9	
Subtotal	\$ 12014.50	\$	5,980.00
	\$ 30,193.60	\$	53,980.00
For the application grant, you			
Entire Deck and Railing Projects	O Contractor		O Club
Bridge Dimensions:			
Design Weight Load	lbs.		
1. Materials	\$		
2. Labor	\$		
	\$		

Motorized Recreation Grant Application

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Appendix B -	- Required for Trail/Qualified Troute Rehab, Reroute, or Development
☐ Trail Reh	nab Qualified Troute New Trail Trail Reroute (Mandatory or Discretionary)
County	Township Range Section 1/4 1/4 GPS Coordinates:
Iron	41 N 3 OW 30 SW SW SW Lat. 45.997973 Long90.173120
	ne or Number (SNARS if applicable) Has this trail ever received development or rehabilitation funds in the
182	past?
Trail is located on Private pr	
Landowner Where	e Trail is Located Telephone Number
WisDOT/WDN	JR .
What other recrea	ational trail uses are planned for this trail?
None	
If there are other	Recreational uses planned, how much of the trail development/rehab. cost will be paid for by other users?
How many miles v	would be affected if this project is not funded? Will this result in closure of a trail?
20+ 4	Access to Price & Ashland County O Yes No
Is this a critical se	ection to the overall trail system? Is there a reasonable alternative?
	Yes No
Does any section contain a bridge?	
	20,000 lbs.
Yes No	Have you contacted your local <u>DNR Water Management Specialist (WMS)</u> regarding a permit?
(e) Yes () No	Is a permit needed? (Please provide any written correspondence from WMS.)
Yes No	Will this project be located near or cross any intermittent or perennial waterway? Surface Water Data Viewer
O Yes No	Will this project be located near or cross any wetland?
O Yes ⊙ No	Will this project involve land disturbance – including clearing and grubbing – of 1 acre or more of land? (Less than 4/10th mile for a typical trail) DNR Storm Water Contact List
	XX 9306 8 9 9

Trail Project Detailed Description

See attached

State of Wisconsin Department of Natural Resources PO Box 7921, Madison WI 53707-7921 dnr.wi.gov

Recreation Grant Project Cost Estimate Worksheet

Form 8700-014 (R 07/14)

Page 1 of 3

For use with Recreation Grant Application Forms

Project Name:		Prepared By:	Date			
Trail 182 West	Road Trail Relocation	Tara Krall	04/02/2024			
County	Project Applicant:	Landowner Name	Public			
Iron	Iron County Forestry Department	WDNR/WisDot	O Private			

ļ	DEVELOPMENT PROJECT ITEMS List by individual item or break down by Use Areas (See Item List On Back Of This Form)	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
(F)	10"x10"x16' treated timbers	10	ea	\$432.00	\$4,320.00
(F)	3"x12"x12' treated timbers	58	ea	\$107.64	\$6,243.12
(F)	3"x12"x16' treated timbers	6	ea	\$143.52	\$861.12
(F)	4"x4"x10' treated lumber	6	ea	\$18.88	\$113.28
(F)	2"x6"x12' treated lumber	26	ea	\$14.00	\$364.00
(F)	10"x20' steel culvert	2	ea	\$450.00	\$900.00
(F)	W12x30x30' steel	6	ea	\$776.66	\$4,659.96
(F)	W8x18x30' steel	2	ea	\$470.00	\$940.00
(F)	4x4x1/8x20' steel	1	ea	\$127.02	\$127.02
(F)	3/8x3/20' steel	4	ea	\$58.90	\$235.60
(F)	nails	1	box	\$120.00	\$120.00
(F)	6" spikes	1	box	\$195.00	\$195.00
(F)	crushed gravel	10	yds	\$8.00	\$80.00
(F)	Breaker Rock	2	loads	\$200.00	\$400.00
(F)	Labor	182	hours	\$42.00	\$7,644.00
(F)	#78 excavator (class 558)	12	hours	\$52.00	\$624.00
(F)	#14 loader (class 206)	4	hours	\$43.00	\$172.00
(F)	#103 ASV skidsteer (class 217)	15	hours	\$53.00	\$795.00
(F)	#56 dumptruck (class 128)	18	hours	\$60.00	\$1,080.00
(F)	#57 dumptruck (class 128)	21	hours	\$60.00	\$1,260.00
(F)	#202 trailer (class 493)	10	hours	\$26.00	\$260.00
(F)	#302 trailer (class 493)	15	hours	\$26.00	\$390.00
(F)	#29 pickup (class 101)	9	hours	\$16.00	\$144.00
(F)	#62 welder (class 922)	14	hours	\$4.00	\$56.00
(F)	#61 generator (class 802)	3	hours	\$18.00	\$54.00
(F)	#60 welder (class 802)	3	hours	\$18.00	\$54.00
(F)	#104 fecon mower (class 9408)	5	hours	\$46.56	\$232.80

Recreation Grant Project Cost Estimate Worksheet

Form 8700-014 (R 07/14) Page 2 of 3

For use with Recreation Grant Application Forms

	Indicate - (C) Contract , (F) Force Acct., (D) Donated				
ļ	DEVELOPMENT PROJECT ITEMS List by individual item or break down by Use Areas (See Item List On Back Of This Form)	Quantity	Unit of Measure	Component Costs	Estimated Total Item Cost
(F)	chainsaw (class 914)	1	hour	\$6.50	\$6.50
				TOTAL\$	\$32,331.40

NOTE: For acquisition projects, complete the Acquisition Project Cost Estimate Section

	Parcel 1	Parcel 2	Total
Parcel Owner			
Number of Acres being Purchased			
3. Grant Eligible Acres			
4. Option Expiration Date			
5. Option Amount	\$	\$	\$
6. Appraised Value : Land	\$	\$	\$
Improvements	\$	\$	\$
7. Subtotal	\$	\$	\$
Estimated Other Eligible Acquisition Costs Total	\$	\$	\$
List costs included in above:	\$	\$	
	\$	\$	
	\$	\$	
9. Grand Total Project Costs: (Add Lines 7 & 8)			

					T										

SERVICES

Pre-approval Engineering Post-approval Engineering

Supervision

Feasibility Studies

Planning Administration

BOATING AREA

Ramp Apron Launch Ramp Bulkhead/Seawall

Riprap

Security Lighting

CAMPSITES

Tables

Grills/Fire Rings

Camp Pads (Gravel, Asphalt)

Refuse Containers

EQUIPMENT

Benches

Trash Receptacles

PARKING

Gravel/Paving Curbs/Bumper blocks

Striping

PICNIC AREA

Tables/Grills

Trash Receptacles

Shelters

General Construction

Electrical/Water Service

PLAY AREA

Play Equipment Equipment Installation Surfacing Material

ROADS

Gravel Base/Paving Curb and Gutter

SIGNING

Signs

Posts/Hardware

NOTE: This list is intended as a guideline and is not a complete list.

Color Coating Lighting Volleyball

Basketball

Hockey Rinks Sand/Gravel Base Dasher Boards

Lighting Water Hydrant

Multipurpose Courts

SPORTS FIELDS-should include

specific items as shown under

Softball. Softball

Infield Mix

Backstop/Fencing Grass Seeding/Sodding

Player Enclosures Bleachers with Pads

Lighting

Sprinkling Sys/Drainage Tile

Soccer/Football

Baseball

TOILETS

Flush Toilets **General Construction**

Plumbing Electrical

Sewer/Water Laterals

Vault Toilets

TRAILS

Clearing

Surfacing

Overview Structures

Boardwalks Culverts

Bridges

Grading

UNDERGROUND ELECTRIC Trenching Junction Boxes

Conduit

Transformers

WALKWAYS

Guidelines for Applicant

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

Mandatory or Discretionary? (no points)	
 A) Trail is already closed or will be closed for the upcoming season. = Mandatory B) Trail won't be closed for the coming season, but relocation is preferable for landowne request, to avoid road use, etc. = Discretionary 	B

Category	Possible Points	Actual Points
1 Mainteance Increase Only		
New trail footprint has already been cleared/constructed, application is requesting only a maintenance increase	2	A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2
2 Dedicated Highway Rec Wing		
An opportunity to develop a dedicated rec wing on a highway will allow for increased safety of trail users by getting them off of a shared highway bridge.	2	
3 Funding (maximum points 2) Are other funds already committed?		
50% or greater from other funding source(s)?	2	estero (estero estero e
11% - 49% from other funding source(s)?	1	
0% - 10% from other funding source(s)?	0	
4 Length of Written Easements or Land Use Agreement (max points 4) (ch.		
23.09(26)(am)1 WI Stats) On public land (County, State, Federal)	4	Ч
10 or more year deeded easement on private land or other public land, for all portions of		
that trail segment to the nearest road on each side	3	
3-9 year deeded easement on private land or other public land, for all portions of that	2	
trail to the nearest road on each side	-	
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 trail is shut down?		,
Measured from nearest intersection on both sides of lost segment. (max 4 points)		
Less than 20 miles	1	
20 miles or more Connection to Price/Ashland Co	3	3
No other snowmobile trails connect. Explain:	4	
DEDUCTIONS		
8 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	
GRAND TOTAL		7

PROJECT: Snowmobile Grants Hurley, Wisconsin

Iron County



Wheeler Lumber LLC Jake Silkey, PE jsilkey@wheeler1892.com 262.229.4068

BID DATE:

Recreational Timber Panel-Lam Bridge - 182 West Road

30' single span x 12' clear roadway.

Superstructure is designed to a 60# pedestrian load and a 25,000 lbs. (H12.5) vehicle loading. Longitudinal dowel laminated timber deck panels.

42" high horizontal pedestrian railing. Includes 12"x12" timber sills & 3"x12" timber wear course.

Lump Sum Total \$48,000.00

Recreational Timber Panel-Lam Bridge - Hurd Creek

25' single span x 12' clear roadway.

Superstructure is designed to a 60# pedestrian load and a 25,000 lbs. (H12.5) vehicle loading. Longitudinal dowel laminated timber deck panels.

42" high horizontal pedestrian railing. Includes 12"x12" timber sills & 3"x12" timber wear course.

Lump Sum Total \$39,900.00

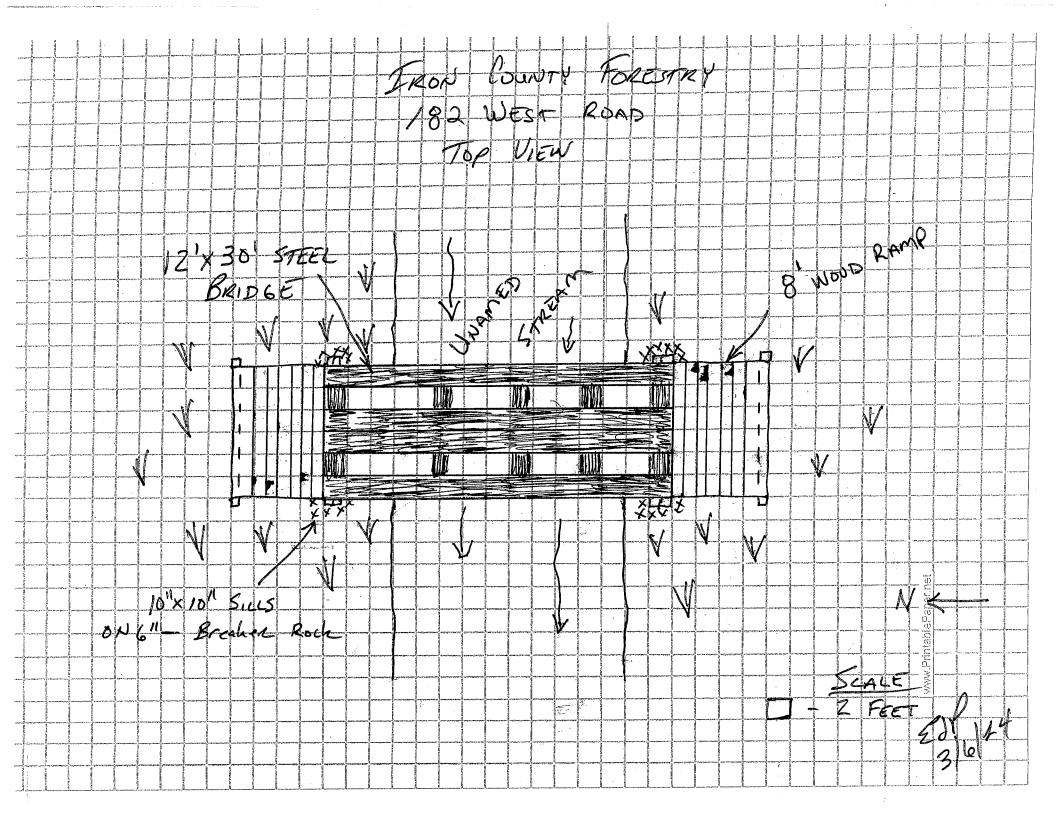
Note:

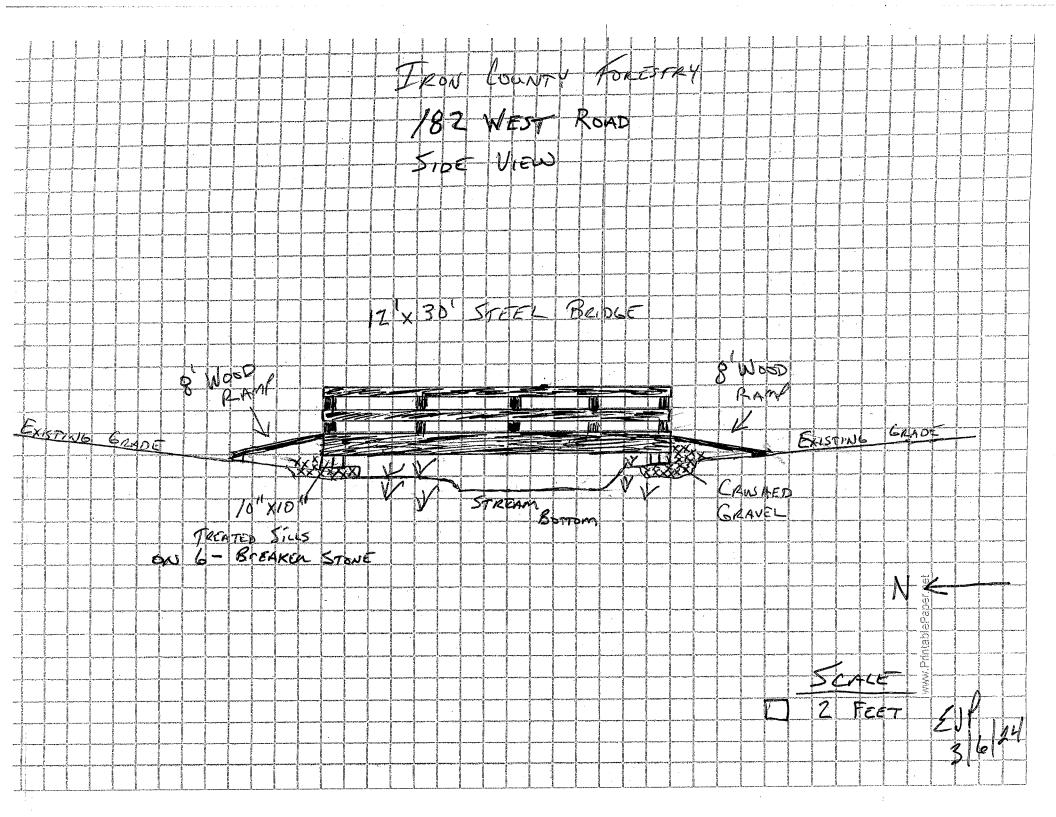
Price does not include the cost of unloading and installation.

The method and sequence of erection shall be the responsibility of others.

All timber to be Douglas Fir, pressure treated with Copper Naphthenate (QNAP) in Type A Hydrocarbon Solvent in accordance with AWPA P-36 and HSA-14 to meet AWPA UC4B & UC4C.

Includes associated hardware. Hardware to be hot-dipped galvanized or coated to meet ICC AC-257. Wheeler will include bridge superstructure plans sealed by a Professional Engineer registered in the state of the bridge location. Wheeler will not assume responsibility as Engineer of Record for the project.





182 WEST ROAD

30 foot bridge

Stream 12 wide bottom to 20 wide high water by 1 foot deep. Muck bottom.

Bottom of stream to existing Bank 2 ft deep.

Bottom of bridge elevation to be three and a half to 4 ft above stream bottom.

South Bank slope approximately 2 ft rise over 20 ft horizontal.

North Bank approximately 25 ft to high ground and bridge deck elevation.

BREAKER Roch (6 minus) - ZLOADS (DMA)

CRUSHED GRAVEL - Z LOADS (DMA)

300 | CLEAR/GRUB 16 FEET WIDE

8-10 Trees To REMOVE (LEAVE ON-SITE)

1500 | MOW FECON

2-10" x 20 | Culverts (Excavator Instact)

Signs/ Posts (Trail Closel, Bridge Ahead, Chevrons)

JOB # 1905
5 BRIDGE DESIGN AL RECREATIONAL W/LL @ 122 TON = 25 K
· ALL SWIPLE SPAN 12 WINE W/ ADELLITE HANDRILING WOOD NOTE & WEAR PLATET.
51265 RATHE FROM 20' TO 40' (20, 25, 30, 35, 40)
ANTENTE WERD IN FIREN BRIDGING (& POINTS FROM SPINET EACH OF 6 MEMBERS
APPRIOR SPACING 12' - 24' ~ 29" + BRIDGING TO BE PIECES OF
IMPACT LUMING @ 25% OF ALL WEIGHT LL+DL.
snow Learn @ 60 ps=
Brung DL C 35 PSF
Myc. LIVE LOND 25 (WONST CASE SINGLE AXIAL Q &) W/ 1.33 IN CREASE FIND UNITY 1.6
CALCULATE FULL LLASS MOMENT THAN DIVINE BETWEEN 5 MEMBERS. 2 CUTSING
M Onsers for Hemobals
(20' M = 12.5k(10') + 0.095(12\(20')^2 = 182 k-1 /5 = 36.4
E = 1.2
(25' M= 12.5(12.5') + 1.14(25)2 = 245.3 k-1/5 = 49.1 20% NOT
(936) M = $12-5((15.6)) + 1.14(30)^2 = 315.75^{*-1}/5 = 6.3.2$
8
@ 35' M = 12.5 (17.5') + 1.14 (35') = 393.3 = 1/5 = 78.7
8
@ 46' M= 12.5 (20.0') + LIY (40')2 478 " / 5= 95.6
8
5 36.4 (12) 19.9 < 21.3 W 12×19 6020'
20, 55
Sx = 49.1(12) = Z4.8 < 33.4 W 12×24 6(25' BUCHKA
25 22 E-23439/
S. = 63.2 (12) = 34.5 < 38.6 W12×30 6030'
30 22 = 39.7 2 30.6
S, = 18,7(12) = 42.9 < 45.4 W (2x 35 60 351
35 ZZ = 42.9 < 45.6 W(28.22
Sy = 95.6(12) = 52.1 5 58.1 W12×45 on W16×36 6040'
27
56.5
STRESS INCREASE DUE TO L.L. (FULLY LEAVED) (0 1.33 YELLES 33% IMPACT



Iron County GIS

West Road / Hwy 182 Reroute

DISCLAIMER: Iron County does not guarantee the accuracy of the material contained here in and is not responsible for any misuse or misrepresentation of this information or its derivatives.



SCALE: 1 = 400'

Iron County

300 Taconite St Suite 113 Hurley, Wisconsin 54534 715-561-5803

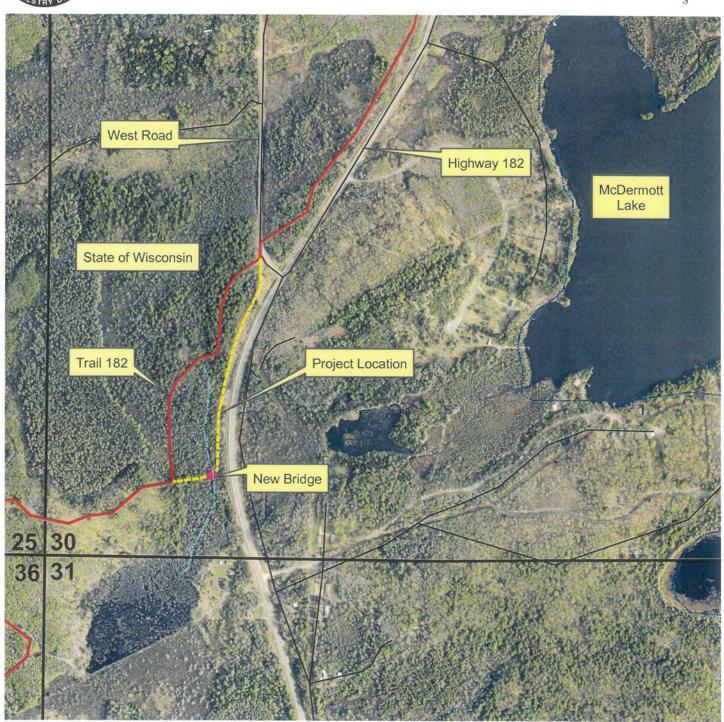
Print Date: 2/6/2024

Iron County Forestry "Trail 182 West Road" SW SW, Sec. 30, T41N, R3E Town of Sherman, Iron County, Wisconsin



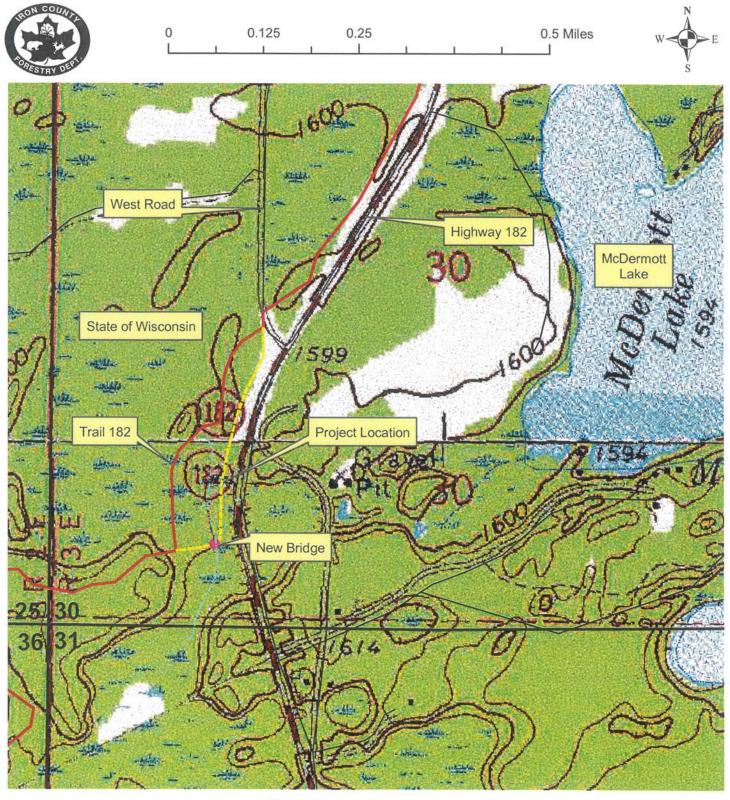




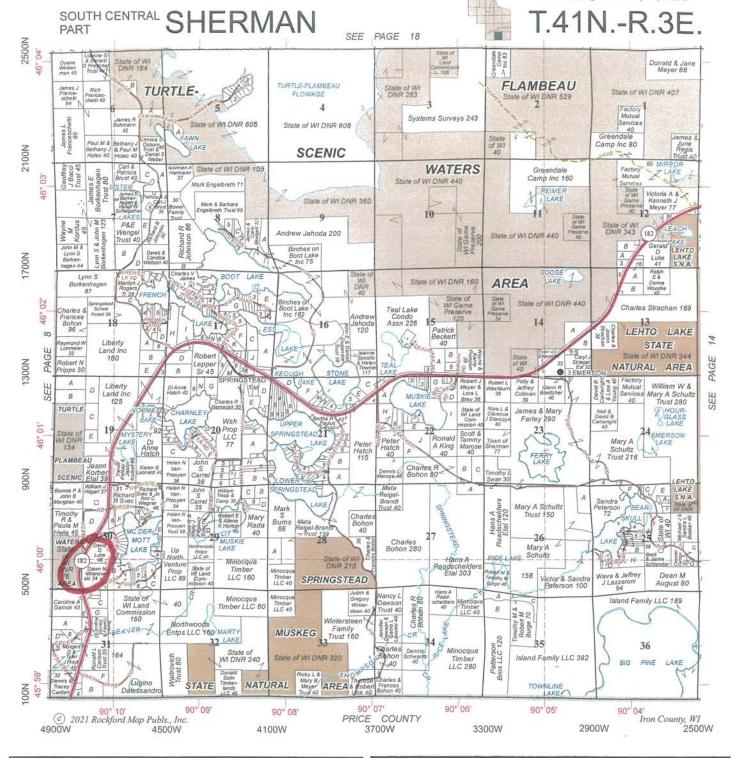


Map By: Iron County Forestry

Iron County Forestry "Trail 182 West Road" SW SW, Sec. 30, T41N, R3E Town of Sherman, Iron County, Wisconsin



Map By: Iron County Forestry

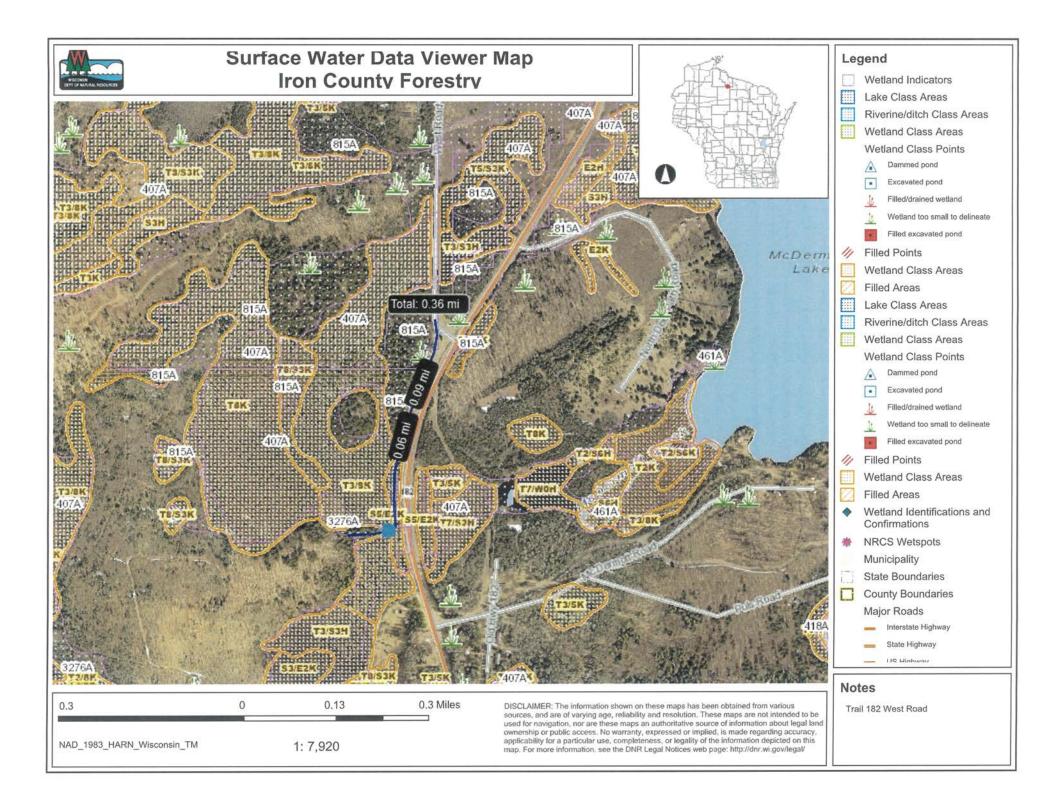


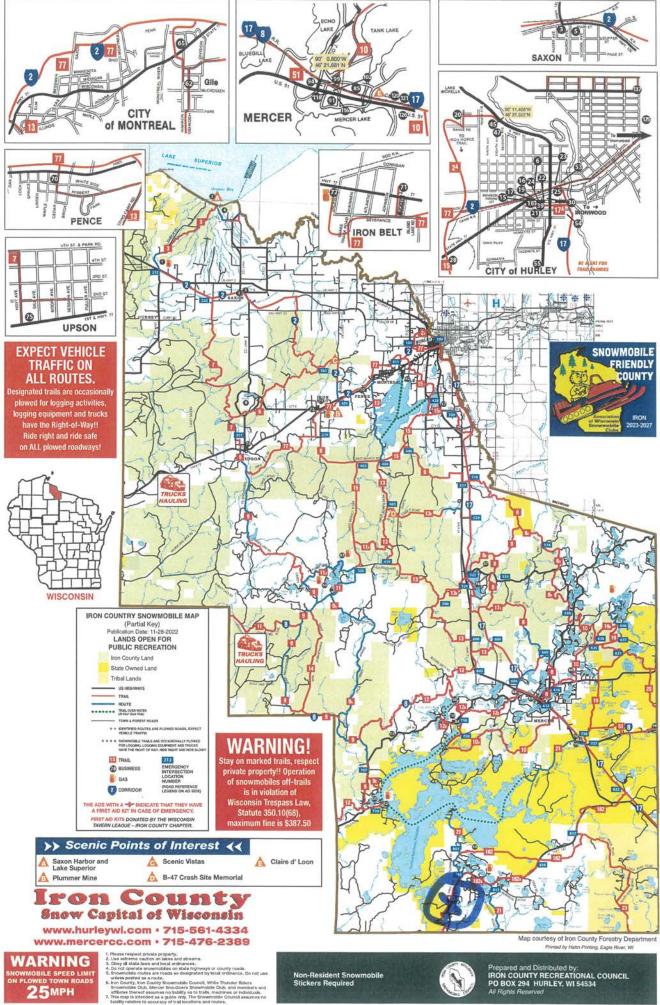


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