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

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DNR GREEN BAY

Outdoor Motorized Recreation Trail Aids Application

For: (Choose all that apply)
- ☐ All-Terrain Vehicle Trail Aids
- ☒ County Snowmobile Trail Aids
- ☐ Motorized Stewardship (20% match required)

Form 8700-159 (01/14)

Notice: Completion of this form is required under s. 23.09(26) and 23.33, Wis. Stats. 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 may provide this information to requesters as required by Wisconsin's Open 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 both traditional ATV, Snowmobile funding AND Motorized Stewardship funding. Submit two (2) copies of all forms and attachments. See page 2 for necessary attachments. Mail applications to your Community Services Specialist.

Activities Involved in Application: (Select all that apply)

- ☐ Maintenance
- ☐ Insurance
- ☒ Bridge Rehabilitation
- ☐ Acquisition
- ☐ Development
- ☐ Trail Rehabilitation

Leave Blank - DNR Use Only
Project Number

Applicant Information

Applicant/Organization Name Shawano County	Check Recipient: Individual other than authorized individual to act on behalf of the applicant. Provide check recipient information below:
Authorized Individual Name, Title Robert W. Jacobson Zoning Administrator/Trail Coordinator	Check Recipient Name: (Name to Appear on Check) Shawano County Treasurer
Address 311 N. Main Street	Address 311 N. Main Street
City, State, ZIP Code Shawano, WI 54166	City, State, ZIP Code Shawano, WI 54166
Telephone Number (715) 526-4630	E-Mail Address Debra.Wallace@co.shawano.wi.us

Project Information

Project Title Bridge Rehabilitation	Number of Trail Miles

Project Description

- For maintenance, include a concise statement of the type of maintenance activities and the type of grooming equipment used.
- For major bridge rehabilitation, describe the proposed construction items to rehabilitate the bridge.
- For trail rehabilitation, describe the repair and renovation activities necessary to improve the trail for user safety.
- For development, describe development activities and structures to be constructed.
- For development of intensive use areas; describe the need and expected use and method of operating and maintaining the facility.
- For Motorized Stewardship describe project ***and source of matching funds,*** narrative must include the source of the matching funds.
- Minimum Useful Life Agreement is required to be submitted with the signed grant agreement.

Proposal is to remove small diameter culverts under the existing bridge and replace with larger diameter culverts. Culverts should be installed with trash racks. Clearing the channel of brush and sediment is also a necessity. Side rails of bridge also need to be rebuilt.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				26,500		26,500
Leave Blank - DNR Use Only						

Applicant Certification

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

Typed Name of Authorized Official Robert W. Jacobson	Official's Title Zoning Administrator/Trail Coordinator
Signature of Authorized Official Robert W. Jacobson	Date Prepared 4-10-2015

Attachments - All projects require: Governmental unit resolution authorizing participation (sample below)

Maintenance: (Use with Snowmobile & ATV)
- ☐ County map showing trail location

Acquisition: (Use with Snowmobile & ATV)
- ☐ For fee acquisition, consult with regional community service specialist to make sure proper procedures are followed.
- ☐ For leases or easements, certification of easements or leases held

Insurance: (Use with ATV only)
- ☐ Estimate of annual insurance premium

New Maintenance or Development: (Use with Snowmobile & ATV)
- ☐ County plat and topographic map showing trail location and classification (existing and proposed new trail); bridges, culverts, railroad crossings, shelters, toilets, parking lots, and new trail construction for the new development segment.
- ☐ Lease / easement certification (to be supplied prior to trail opening)
- ☐ Cost estimate worksheet Form 8700-014 (development only) or pages 3 and 4 of application for new bridge
- ☐ Construction plans for bridges or other structures

Motorized Stewardship: Requires the attachments as identified in each specific category. See http://dnr.wi.gov/Aid/MotorStew.html for eligibility.

Trail Rehabilitation: (Use with Snowmobile & ATV)
- ☐ County plat map showing segment proposal for rehabilitation
- ☐ Cost estimate worksheet, Form 8700-014

Major Bridge Rehabilitation or New Bridge: (Use with Snowmobile & ATV)
- ☒ County plat map showing trail system and location of bridge
- ☒ Pages 3 and 4 of application
- ☒ Construction plans for new bridge or bridge repair

Intensive Use Area: (Use with ATV only)
- ☐ County and plat maps showing project boundaries
- ☐ Site plans showing any existing facilities along with proposed new construction including bridges, culverts, shelters, riding courses, parking lots, toilets and trails
- ☐ Topographic map with major project elements noted
- ☐ Preliminary construction plans for buildings, bridges, major grading, etc.
- ☐ Cost estimate worksheet Form 8700-014

Sample Resolution Authorizing Participation

Whereas _____ (Applicant) is interested in maintaining, acquiring, insuring, or

developing lands for public outdoor motorized trail use; and
Whereas said public motorized trails are eligible for snowmobile, all-terrain vehicle and/or motorized stewardship grant funds.

Therefore, be it resolved, that _____ (Applicant)

hereby authorizes _____ (Name), _____ (Title),

of _____ (Committee or Department),

to act on behalf of _____ (Applicant) to:

Submit an application to the State of Wisconsin Department of Natural Resources for any financial aid that may be available; sign documents; and take necessary action to undertake, direct and complete the approved project.

Adopted this _____ day of _____, 20____,

I hereby certify that the foregoing resolution was duly adopted by _____ at a legal meeting held on the

_____ day of _____, 20____,

Authorized Signature _____

Title _____

Pages 3 and 4 of this form are to be completed (including required attachments) for any new bridge development or bridge rehabilitation project for which funds are requested. The information provided below will be used by Department staff and the appropriate advisory council to evaluate the merits of your application for funds.

(Select only one)

(●) **New Bridge Grant Application Supplement**

( ) **Bridge Rehabilitation Grant Application Supplement**

Water Body Name			
Tributary to W. Branch Shioc River			
County	Town No.	Range No.	Section No.
Shawano Town of Hartland	26	17 ☒E ☐W	31

Official Governmental Unit Contact	Telephone Number
Robert W. Jacobson	(715) 526-4630
Sponsoring Snowmobile or All-Terrain Vehicle Club	
Bonduel Polar Bears	
Club Contact	Telephone Number
Tom Engle	(715) 758-8588
Landowner Where Bridge is Located	Telephone Number
State of Wisconsin DNR	

1. If land is privately owned, how many years will the owner permit the trail to be used as a public snowmobile or all-terrain vehicle trail? (3 year minimum required)

2. What other recreational trail uses are planned for this bridge?
This bridge connects DNR public land parking lots served by two different roads. The trail running between them is available for users of varying interests such as hiking, biking, bird watching and hunting during times when not in use for snowmobiling.

If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? None

3. Have you contacted your local DNR water management investigator regarding a regulatory permit? (●) Yes ( ) No

Is a permit required? (●) Yes ( ) No

Do you have an approved permit? ( ) Yes (●) No

New Bridge Projects Only

4. Describe the need for the bridge and alternatives considered.
The current bridge was constructed over 15 years ago. The bridge frame was built on top of existing culverts as the support. The culverts were dammed by Beaver which has since compromised the bridge from being rehabilitated. If the bridge were not replaced the alternative could be replacing the structure with larger culverts backfilled with breaker rock or reroute the trail onto the town roads.

Bridge Rehabilitation Projects Only

5. Briefly describe why the bridge needs to be rehabilitated.

6. Has this bridge site ever received development or rehabilitation funds in the past? (●) Yes ( ) No S-1644? ATV-382?
If answer is yes, give year funds were received, amount of grant award and program.

Year: 1997	$3,026.25	Program: Snowmobile Trail Grant

Complete the cost estimate information on page 4 and attach additional materials if more justification is necessary.

Summarize Costs in Appropriate Categories:

Prefab Structure

	Quote 1 ◯ Steel ◯ Wooden	Quote 2 ◯ Steel ◯ Wooden
Bridge Dimensions:		
Bridge Manufacturer:		
Design Weight Load:	lbs.	lbs.
Cost of Structure: 1. Engineering	$	$
2. Structure	$	$
Subtotal	$	$

Installation Costs:	Quote 1 ◯ Contractor or ◯ Sponsor Estimate	Quote 2 ◯ Contractor or ◯ Sponsor Estimate
1. Engineering	$	$
2. Soil Testing	$	$
3. Site Preparation	$	$
4. Abutments	$	$
5. Pilings/Piers	$	$
6. Approaches	$	$
7. Riprap	$	$
8. Labor	$	$
9. Equipment Rental	$	$
10. Other:	$	$
Subtotal	$	$
Total Cost	$	$

Built On Site Structure (Contractor or Sponsor)

Bridge Dimensions:	12' by 24'
Design Weight Load:	14,000 lbs.
1. Engineering	$ 4,500.00
2. Soil Testing	$
3. Site Preparation	$ 5,000.00
4. Structure Materials	$ 8,500.00
5. Abutments	$ 3,000.00
6. Pilings/Piers	$
7. Approaches	$
8. Riprap	$
9. Labor	$ 5,500.00
10. Equipment Rental	$
11. Other:	$
Total Cost	$ 26,500.00

Required Attachments

- ☒ Color Photograph of Site
- ☒ Location Map Showing Site and Waterbody Name
- ☒ Detailed Construction Plans (Show length, width, rail height, and types of materials to be used.)

Note: Costs for design weight loads in excess of 14,000 pounds are not eligible.

Community Services Specialist Comments and Approval:

Approved By	Date Site Viewed (if applicable)

NORDIN DESIGN GROUP, INC.

CONSULTING ENGINEERS
COMMERCIAL BUILDING DESIGN

April 10, 2015

Bob Jacobson, Administator
Shawano County Planning & Zoning
311 N. Main Street
Shawano, WI 54166

Dear Bob:

As requested I have inspected the snowmobile bridge crossing an unnamed creek in the Navarino Wildlife Area in the NE¼ of Section 31, T26N, R17E, in the Town of Hartland, Shawano County.

This snowmobile crossing consists of a soil embankment with a 48" diameter steel culvert pipe and an 18" diameter culvert pipe carrying the flow from the unnamed creek. The condition of the pipes is poor. Both pipes are filled with sediment and the embankment is eroding and has washouts. The embankment has completely washed out approximately 50 feet north of the culverts and the creek bed has changed course to that location.

It is my opinion that this crossing has completely failed and must be replaced with either a new bridge structure or culvert structure.

If you have any questions regarding this matter please contact me at (715)526-2827.

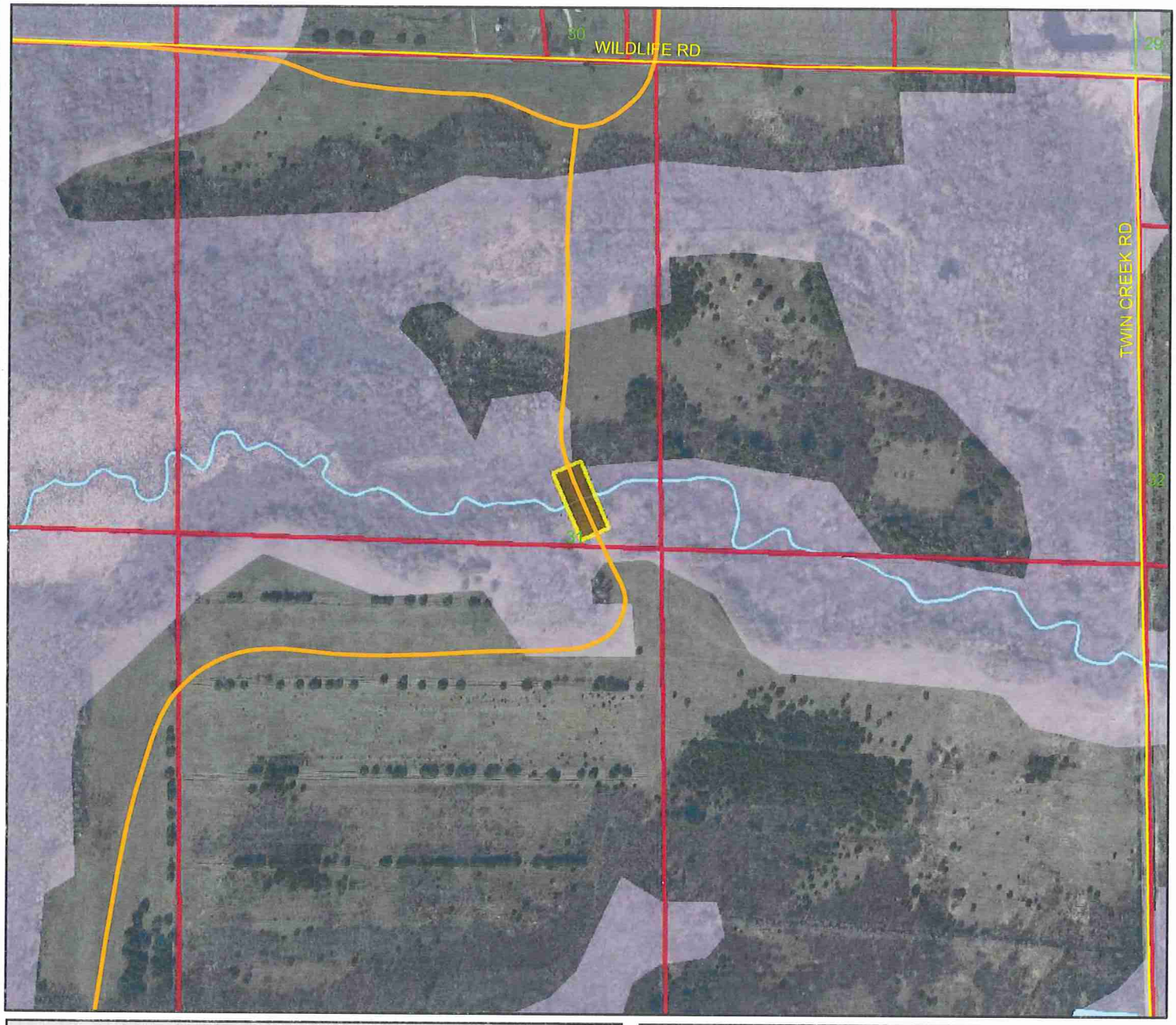
Sincerely,

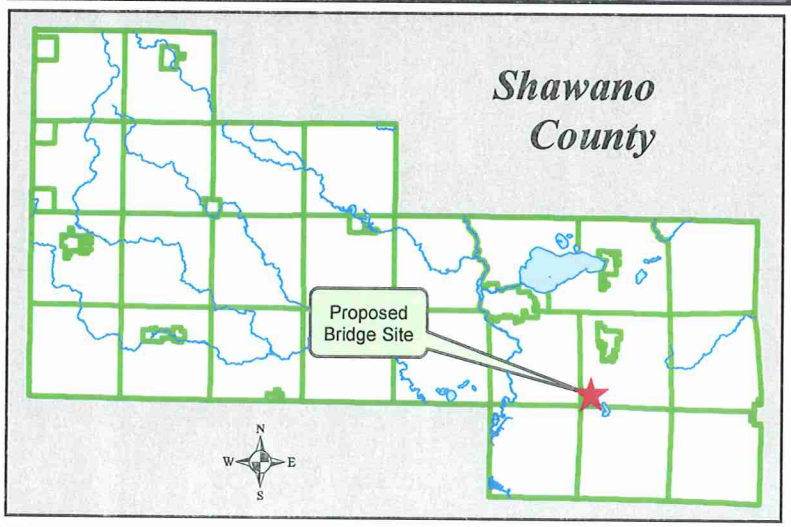
Scott Nordin, P.E.

N5841 HWY 47-55
SHAWANO, WISCONSIN 54166

PHONE (715) 526-2827
FAX (715) 524-2179

Proposed Bridge Construction Site - Bonduel Polar Bears Club





- Proposed Bridge
- Snowmobile Trails
- Town/Municipal Roads
- *Parcels*
- Sections
- Municipalities
- Wetlands
- Waterbodies
- Railroads

1 : 5,000

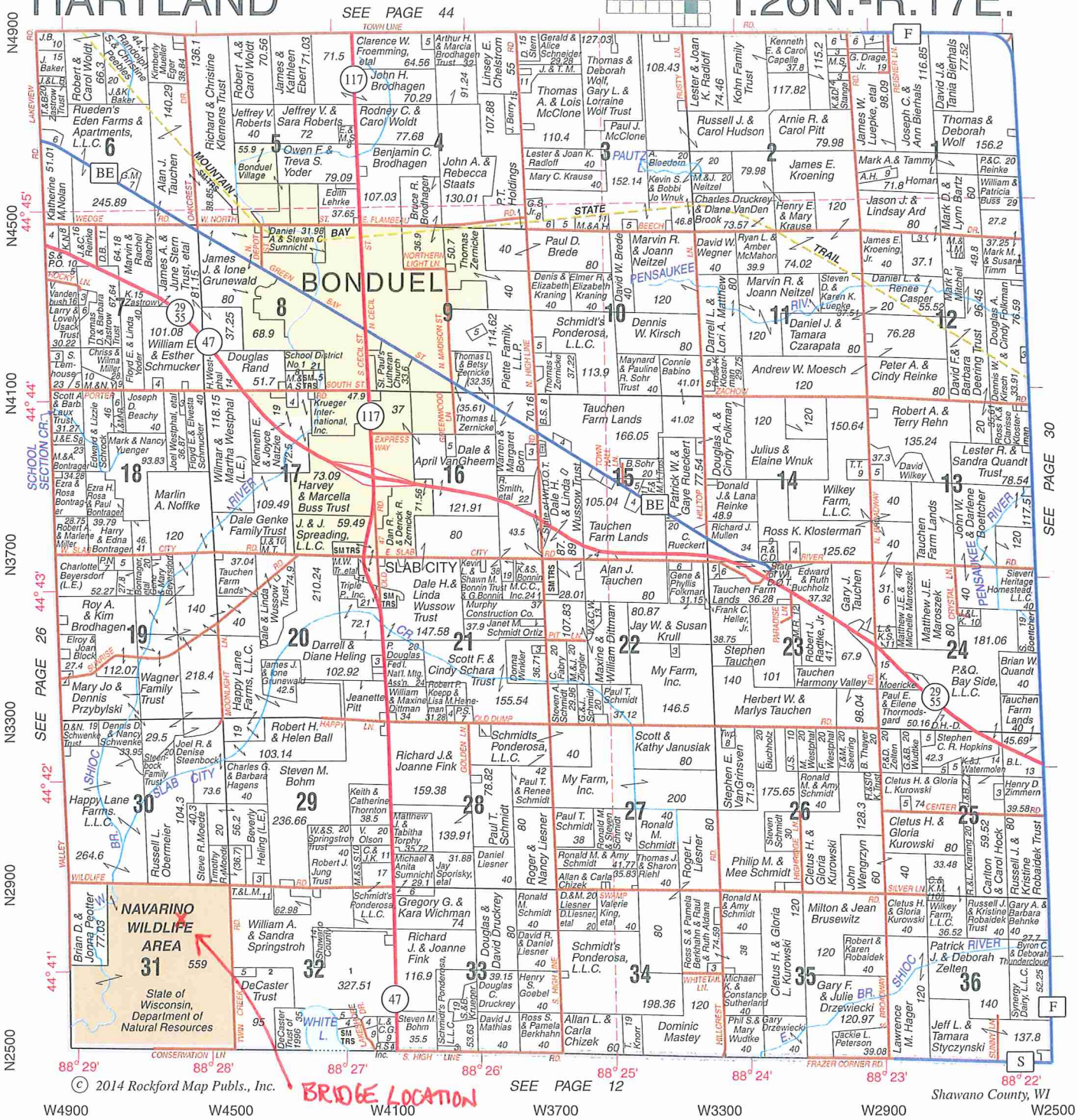
N W E S

Information depicted on this map was interpreted from digital orthophotography and various other land records. An Attempt was made to accurately represent the information shown hereon, however, recent changes in the physical and cultural landscape many not be represented. This map is intended for planning and general use only. Please refer to the original source documents for detailed information. If you have any questions or discover any discrepancies on this map, please contact the Shawano County Information Services Dept. 715-526-4614.

Cartography: David Poffinbarger
GIS Coordinator
Shawano County
Information Services

Date: 14 April 2015

HARTLAND T.26N.-R.17E.



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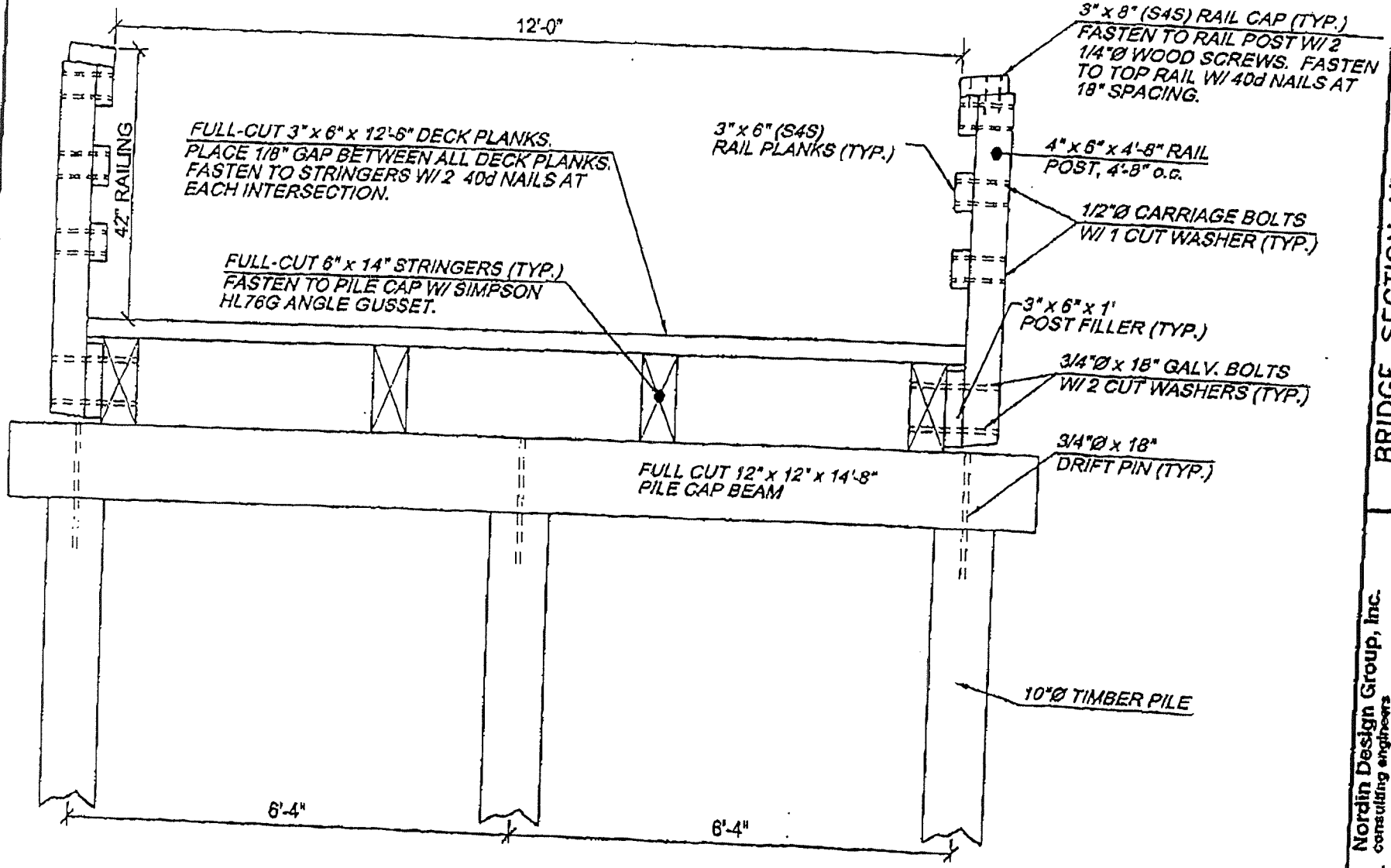


SECTION VIEW

PROJECT SPECIFICATIONS

TIMBER PILES SHALL BE SYP, TREATED, DRIVEN TO A MINIMUM BEARING CAPACITY OF 10 TONS/PILE. STRINGERS SHALL BE SYP #1, TREATED. ALL OTHER LUMBER SHALL BE SYP #2, TREATED. ALL LUMBER SHALL BE TREATED WITH ACQ 0.40 RETENTION, OR CU NAP, 0.06 RETENTION.

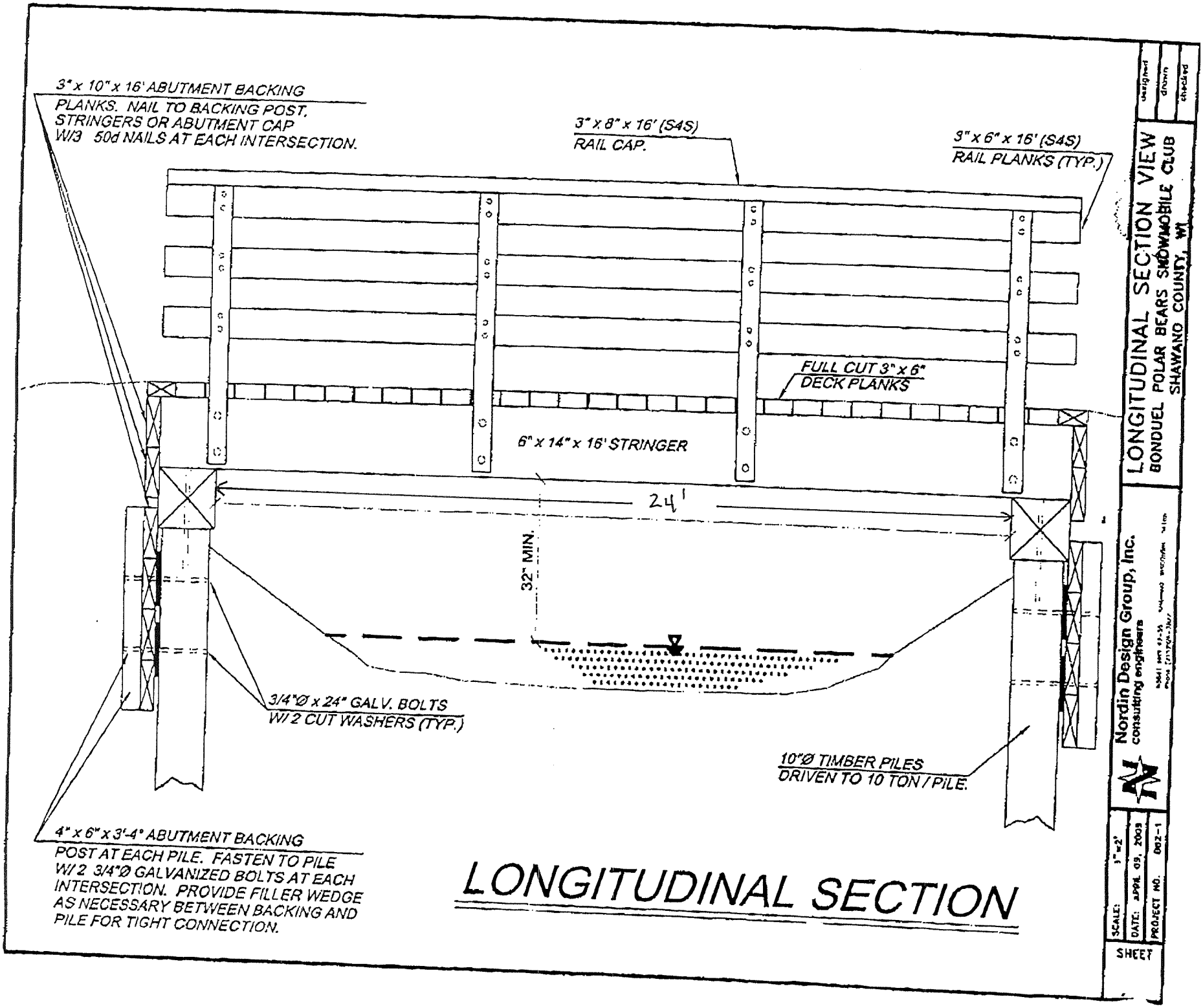
1x WEAR DECKING AND WOOD APPROACH RAMPING, IF NECESSARY, WILL BE INSTALLED BY OTHERS.

designed
drawn
checked

BRIDGE SECTION VIEW
BONDUEL POLAR BEARS SNOWMOBILE CLUB
SHAWANO COUNTY, WI

Nordin Design Group, Inc.
consulting engineers

SCALE: 1" = 2'
DATE: April 05, 2008
PROJECT NO. 842-1
SHEET


3" x 10" x 16' ABUTMENT BACKING PLANKS. NAIL TO BACKING POST, STRINGERS OR ABUTMENT CAP W/3 50d NAILS AT EACH INTERSECTION.
3" x 8" x 16' (S4S) RAIL CAP.
3" x 6" x 16' (S4S) RAIL PLANKS (TYP.)
FULL CUT 3" x 6" DECK PLANKS
6" x 14" x 16' STRINGER
24'
32" MIN.
3/4"Ø x 24" GALV. BOLTS W/ 2 CUT WASHERS (TYP.)
10"Ø TIMBER PILES DRIVEN TO 10 TON / PILE.
4" x 6" x 3'-4" ABUTMENT BACKING POST AT EACH PILE. FASTEN TO PILE W/ 2 3/4"Ø GALVANIZED BOLTS AT EACH INTERSECTION. PROVIDE FILLER WEDGE AS NECESSARY BETWEEN BACKING AND PILE FOR TIGHT CONNECTION.
LONGITUDINAL SECTION
designed
drawn
checked
LONGITUDINAL SECTION VIEW
BONDUEL POLAR BEARS SNOWMOBILE CLUB
SHAWANO COUNTY, WI
Nordin Design Group, Inc.
consulting engineers
SCALE: 1"=2'
DATE: APRIL 09, 2003
PROJECT NO. 002-1
SHEET

Guidelines for Applicant

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

Guidelines for the Council

These are guidelines and will be reviewed by the Council yearly after each funding meeting. Any changes to the points changed by the Council, will be justified in writing to the County shortly after the funding meeting.

	Category	Possible Points	Actual Points
1	**Permits** (maximum points 10)		
	Consulation with DNR Water Regulatory Section 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	
4	**Funding** (maximum points 5) Are there other funds already committed?		
	50% or greater from other funding source(s)?	5	N/A
	11% - 49% from other funding source(s)?	3	N/A
5	**Length of Written Easements** (maximum 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	
6	**Type of Trail** (maximum points – 10)		
	Corridor trail	10	10
	Non-corridor trail	8	
7	**Condition of Structure** (maximum points – 15) (Rehab structures only)		
	Declared unsafe or collapsed (0 years of useable life) Requires engineer's statement	15	15
	Declared poor (2-3 years of useable life)	10	
	Declared fair (4-5 years of useable life)	5	
8	**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	

RTA-eligible

9	**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	15
	$2,501 - $5,000/mile	20	
	$5,001 - $10,000/mile	15	
	$10,001 - $20,000/mile	10	
	$20,000 and over	5	
10	**Cause of Damage** (maximum points up to 22) (Rehab structure only)		
	Natural Disaster	12	12
	FEMA Qualified	10	
	Normal wear/tear	5	
	Sub Total		
	DEDUCTIONS		
11	**County Active Project Deduction** (maximum deductions 10 points) An snowmobile active project is one that has exceeded it's initial grant period.		
	One active project - deduct 5 points	-5	N/A
	More than one active project - deduct 10 points	-10	N/A
12	**Incomplete Application Deduction (Identified by CSS)**	-10	
	Optional Additional Points		
13	County Coordinator Priority Points (10 pts per County)	10	10
	GRAND TOTAL		

ATTACHMENT:
One (1) County snowmobile map with all bridge and trail projects identified

03/30/2015

03/30/2015

03/30/2015