

**Motorized Recreation Grant Application**

**For:** (choose all that apply)

Form 8700-159 (R 02/2024)

ATV/UTV Trail Aid

Snowmobile Trail Aid

**Due Date: April 15**

**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			Oconto County			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			Chris Firgens			Check Recipient Name (Name to Appear on Check)			
Title			Forest, Parks and Recreation Administrator			Oconto County Treasure			
Address			301 Washington St			Title			
City			State	ZIP Code	City			State	ZIP Code
Oconto			WI	54153	Oconto			WI	54153
Telephone Number			Email Address						
(920) 834-6995			chris.firgens@ocontocountywi.gov						

**Section 2: Project Information Required for all Projects**

Project Title					Current Funded Miles		New Miles (if applicable)	
Bridge 25 Rehab					111.43			
County	Township	Range	Section	1/4	1/4	GPS Coordinates:		
Oconto	28 N	18	16	E	W	Lat.	44.8971	
						Long.		-88.3254

**Project Description Summary**

Oconto County is looking to rehab bridge 25 located on the Nicolet State Trail. The decking is beginning to fail and an inspection showed the need to replace all the decking, handrails, timber beams, and abutments due to rot and beams beginning to fail.

Total project cost estimate: \$335,000

RTP application: \$100,000

ATV 50%: \$ 117,500

Snow 50%: \$ 117,500

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

**Estimated Cost**

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
				\$335,000.00		\$335,000.00
<b>Leave Blank – DNR Use Only</b>						

**Applicant Certification**

Printed Name of Authorized Official			Official's Title		
Chris Firgens			Forest, Parks, and Recreation Administrator		

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

\_\_\_\_\_  
 Date Prepared



Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure

Quote 1

Quote 2

Steel  Wooden

Steel  Wooden

Bridge Dimensions: \_\_\_\_\_

\_\_\_\_\_

Bridge Manufacturer: \_\_\_\_\_

\_\_\_\_\_

Design Weight Load \_\_\_\_\_ lbs.

\_\_\_\_\_ lbs.

Cost of Structure: 1. Engineering \$ \_\_\_\_\_

\$ \_\_\_\_\_

2. Structure \$ \_\_\_\_\_

\$ \_\_\_\_\_

Subtotal \$ \_\_\_\_\_

\$ \_\_\_\_\_

Quote 1

Quote 2

Contractor or  Sponsor Estimate

Contractor or  Sponsor Estimate

Installation Costs:

1. Engineering \$ \_\_\_\_\_

\$ \_\_\_\_\_

2. Site Preparation \$ \_\_\_\_\_

\$ \_\_\_\_\_

3. Abutments \$ \_\_\_\_\_

\$ \_\_\_\_\_

4. Pilings/Piers \$ \_\_\_\_\_

\$ \_\_\_\_\_

5. Approaches \$ \_\_\_\_\_

\$ \_\_\_\_\_

6. Riprap \$ \_\_\_\_\_

\$ \_\_\_\_\_

7. Labor \$ \_\_\_\_\_

\$ \_\_\_\_\_

8. Equipment Rental \$ \_\_\_\_\_

\$ \_\_\_\_\_

9. Culverts \$ \_\_\_\_\_

\$ \_\_\_\_\_

10. H & H Study \$ \_\_\_\_\_

\$ \_\_\_\_\_

11. Wetland Delineation \$ \_\_\_\_\_

\$ \_\_\_\_\_

12. Other \_\_\_\_\_ \$ \_\_\_\_\_

\$ \_\_\_\_\_

Subtotal \$ \_\_\_\_\_

\$ \_\_\_\_\_

Total Cost \$ \_\_\_\_\_

\$ \_\_\_\_\_

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

Entire Deck and Railing Projects  Contractor  Sponsor  Club

Bridge Dimensions: 128'x12'

Design Weight Load 25,000 lbs.

1. Materials \$ 110,915

2. Labor \$ 224,085

Total \$ 335,000

## STRUCTURE INSPECTION REPORT

Feature On	Nicolet Trail	County:	Oconto County	<b>Structure Number Bridge #25</b>
Feature Under	Christy Brook	Municipality:	Town of Gillett	
Service Feature Under	N/A	Owner:	Oconto County Forest & Parks	
Location	0.29 miles north of Klaus Lake Road	Lane Count On	2 – bike/ped lanes (trail)	
Latitude	44°53'49.8"	Traffic Pattern On	Two-way bike/ped	
Longitude	88°19'31.5"	Existing Load Posting	None	

Total Structure Length:	128.2'
Total Structure Width:	12.0'
Structure Roadway Width:	12.0'

Wearing Surface Material	Timber
Overburden	0-inches

### Structure Type

Pipe/Cell/Span	Type/Configuration	Material	Pipe/Cell/Span Width (feet)	Opening Height (inches)	Pipe/Cell Length
1	Bridge	Timber	13.3'	N/A – Very Tall	12.0'
2	Bridge	Timber	12.4'	N/A – Very Tall	12.0'
3	Bridge	Timber	12.8'	N/A – Very Tall	12.0'
4	Bridge	Steel Girder	52.0'	N/A – Very Tall	12.0'
5	Bridge	Timber	11.7'	N/A – Very Tall	12.0'
6	Bridge	Timber	13.0'	N/A – Very Tall	12.0'
7	Bridge	Timber	13.0'	N/A – Very Tall	12.0'

### Bridge Type Structures (Information needed to complete load rating)

Girder Size	Girder Height	Girder Width	Web Size	Flange Thickness	Other
Girder Information/Size	15.5"	8"	N/A	N/A	
Number of Girders	6 (Timber) 2 (Steel)				
Girder Spacing	4'9" – two sets 3				
Deck/Slab Thickness	2"				
Wearing Surface Material	Timber				


Channel/Waterway Observations (erosion, scour, flood/highwater, debris): *None.*

General Inspection Notes – *Deck boards need replacing. Railroad ties need replacing – rotted. Pier 1 pier cap and north abutment pier cap are rotted and need replacing.*

### NBI Condition Ratings

NBI	Rating
Deck	4
Superstructure	4
Substructure	6
Culvert	N/A

### Inspector Information

Team Leader Name and No. (Print) Paul Fontecchio, 3523	Team Member(s) Name(s) (Print) Ryan Trzinski, 9711	Insp. Date 5/7/25	Inspection Agency Consultant – Robert E. Lee & Associates
Team Leader Signature 			

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	<b>Condition of the Structure</b> (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	10
2	<b>Permits</b> (maximum points 4)		
	Consultation with DNR Water Mgmt Specialist has occurred & permit is likely, if needed	1	
	Permit in hand / Bridge already permitted	3	3
3	<b>Funding</b> (maximum points 2) Are other funds already committed?		
	50% or greater from other funding source(s)?	2	2
	11% - 49% from other funding source(s)?	1	
4	<b>Length of Written Easements or Land Use Agreement</b> (max points 5)(ch. 23.09(26)(am)1 WI Stats)		
	On public land (County, State, Federal)	5	5
	10 or more year <b>deeded easement</b> 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 <b>deeded easement</b> 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 <b>deeded easement</b> on private land or other public land, for <u>just the bridge site</u>	3	
	3-9 <b>deeded easement</b> 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	<b>Miles Impacted</b> – 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	
	<b>DEDUCTIONS</b>		
6	<b>County Active Project Deduction</b> (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	
<b>GRAND TOTAL</b>			<b>23</b>

Comments/Notes:

# BRIDGE NO. 25 NICOLET STATE TRAIL OCONTO COUNTY, WISCONSIN

**SPECIFICATIONS:**

**GRADING**

ALL TIMBER TO BE DOUGLAS FIR AND SHALL BE GRADED PER WCLIB STANDARD GRADING RULES NO. 17.

**MATERIALS & TREATMENT**

DOUGLAS FIR TIMBER SHALL BE PRESSURE TREATED WITH COPPER NAPHTHENATE (Q-NAP) PER AWPA UC4C IN TYPE A HYDROCARBON SOLVENT IN ACCORDANCE WITH AWPA P36-22 AND HSA-23.

**MISCELLANEOUS**

DECK PANELS SHALL BE ASSEMBLED WITH 3/8" DIAMETER RING SHANK DOWELS. ALL DOWELS ARE TO BE SIMULTANEOUSLY DRIVEN WITH EQUAL FORCE USING A MECHANICAL PRESS THE FULL LENGTH OF THE DECK, ENSURING ALL HEADS ARE FLUSH WITH THE SURFACE OF THE TIMBER PLANK. MULTIPLE IMPACT TOOLS ARE NOT TO BE USED TO SET DOWELS BECAUSE OF POTENTIAL FOR WOOD FIBER RUPTURE.

DECK PANELS SHALL BE DELIVERED TO JOBSITE AFTER BEING FULLY ASSEMBLED AT FABRICATION PLANT.

ALL TIMBER SHALL BE CUT TO EXACT LENGTH, SURFACED TO SIZE REQUIRED AND ALL PRACTICAL FRAMING SHALL BE DONE PRIOR TO TREATMENT.

ALL TIMBER CONNECTION HARDWARE TO MEET ASTM A307-21 GALVANIZED TO ASTM F2329 OR A153. ALL STRUCTURAL STEEL TO MEET ASTM A36, GALVANIZED TO ASTM A123.

ALL SCREWS SHALL BE HOT DIPPED GALVANIZED OR COATED TO PROVIDE PROTECTION EQUIVALENT TO ASTM A153.

**DESIGN DATA:**

1) DESIGN OF SUPERSTRUCTURE COMPLIES WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 9TH EDITION.

2) DESIGN LOADS:

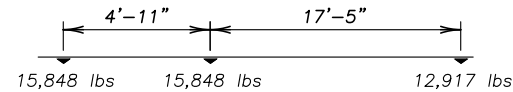
**LIVE LOAD**

A) A UNIFORM LIVE LOAD OF 90 psf APPLIED TO THE ENTIRE DECK SURFACE; OR

B) H12.5 (25,000 LBS. VEHICLE)

C) CAT 140 GRADER

GRADER WEIGHT DISTRIBUTION DIAGRAM



**CONSTRUCTION NOTES:**

DESIGN OF THE BRIDGE SUPERSTRUCTURE TO BE THE RESPONSIBILITY OF THE BRIDGE MANUFACTURER AND SUPPLIED BY THE CONTRACTOR.

THE METHOD AND SEQUENCE OF ERECTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ALL HOLES DRILLED IN THE FIELD WHERE SPIKES ARE USED SHALL BE 1/16" SMALLER THAN SPIKE SIZE.

ALL HOLES DRILLED FOR BOLTS SHALL BE 1/16" LARGER THAN BOLT SIZE.

HOLES DRILLED FOR 3/4" LAG BOLTS SHALL BE 9/16" FOR THE THREADED PORTION OF THE LAG BOLT AND 13/16" FOR THE SHANK.

ANY NUT OR MACHINE BOLT HEAD IN DIRECT CONTACT WITH TIMBER TO HAVE ONE PLATE WASHER BETWEEN THE NUT & THE TIMBER, OR THE BOLT HEAD & THE TIMBER.

ANY NUT OR MACHINE BOLT HEAD IN DIRECT CONTACT WITH STEEL TO HAVE ONE CUT WASHER BETWEEN THE NUT & THE STEEL, OR THE BOLT HEAD & THE STEEL.

ANY HEX LAG IN DIRECT CONTACT WITH TIMBER TO HAVE ONE CUT WASHER BETWEEN THE TIMBER & THE HEX HEAD.

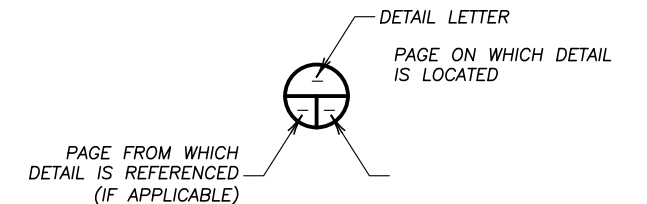
UPSET THREADS ON ALL BOLTS AT NUT WITH A CENTER PUNCH AFTER TIGHTENING.

ALTHOUGH ALL PRACTICAL PRE-FRAMING WILL BE REQUIRED PRIOR TO TREATING, SOME CUTTING & DRILLING WILL BE REQUIRED IN THE FIELD. ALL TIMBER CUT OR DRILLED IN THE FIELD SHALL BE TREATED WITH AN APPROVED PRESERVATIVE. APPLY SUPPLIED FIELD PRESERVATIVE IN ACCORDANCE WITH AWPA M4 TO ALL CUT ENDS & HOLES.

**PLAN SHEET INDEX**

SHEET	DESCRIPTION
1	COVER SHEET & SPECIFICATIONS
2	GENERAL SUPERSTRUCTURE PLAN & ELEVATION
3	GENERAL SUPERSTRUCTURE PLAN & ELEVATION
4	ABUTMENT & PIER DETAILS
5	SECTION THRU DECK @ RAILPOST
6	APPROACH RAIL DETAILS

REV.	DESCRIPTION	DATE	INIT.
△			
△			
△			
△			



**CALLOUT LEGEND**

**DO NOT SCALE DRAWINGS**

COVER SHEET & SPECIFICATIONS

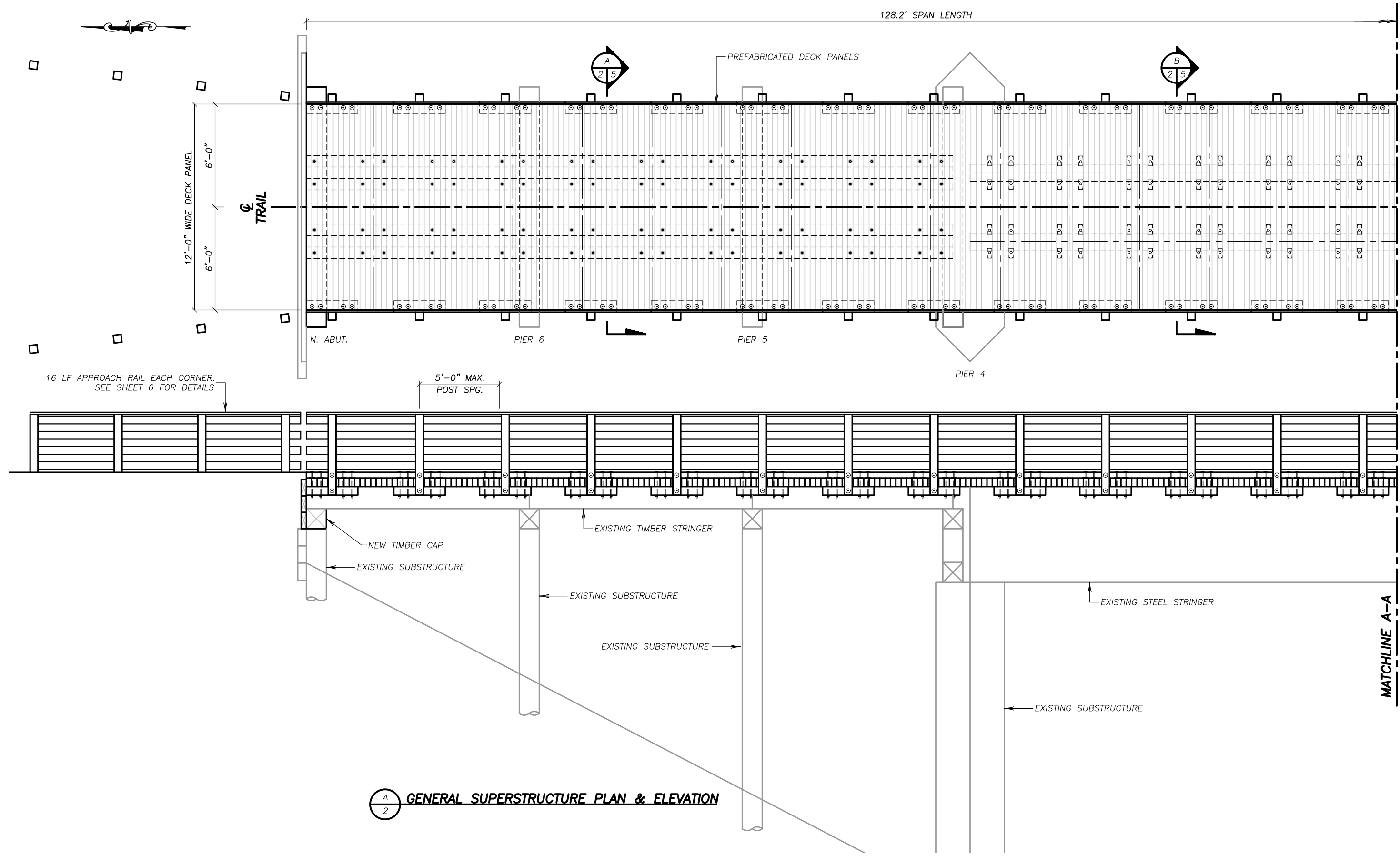
**128'-0" TREATED TIMBER SPAN  
12'-0" CLEAR TRAILWAY  
BRIDGE NO. 25  
OCONTO COUNTY, WISCONSIN**



9531 W.78th Street, Ste.100  
Eden Prairie, MN 55344  
952-929-7854  
info@wheeler1892.com  
wheeler1892.com

DWN: WEH  
CHK: JBS  
DATE: 6/20/25

TRACKING#  
T24542A  
SHEET NO. 1



**GENERAL SUPERSTRUCTURE PLAN & ELEVATION**

**GENERAL SUPERSTRUCTURE PLAN & ELEVATION**

**128'-0" TREATED TIMBER SPAN  
12'-0" CLEAR TRAILWAY  
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SHEET NO. 2

128.2' SPAN LENGTH

PREFABRICATED DECK PANELS



TRAIL

6'-0"  
6'-0"  
12'-0" WIDE DECK PANEL

PIER 2

PIER 1

S. ABUT.

PIER 3

16 LF APPROACH RAIL EACH CORNER.  
SEE SHEET 6 FOR DETAILS

EXISTING TIMBER STRINGER

NEW TIMBER CAP

EXISTING SUBSTRUCTURE

EXISTING SUBSTRUCTURE

EXISTING SUBSTRUCTURE

EXISTING STEEL STRINGER

EXISTING SUBSTRUCTURE

MATCHLINE A-A



GENERAL SUPERSTRUCTURE PLAN & ELEVATION

GENERAL SUPERSTRUCTURE PLAN & ELEVATION

128'-0" TREATED TIMBER SPAN  
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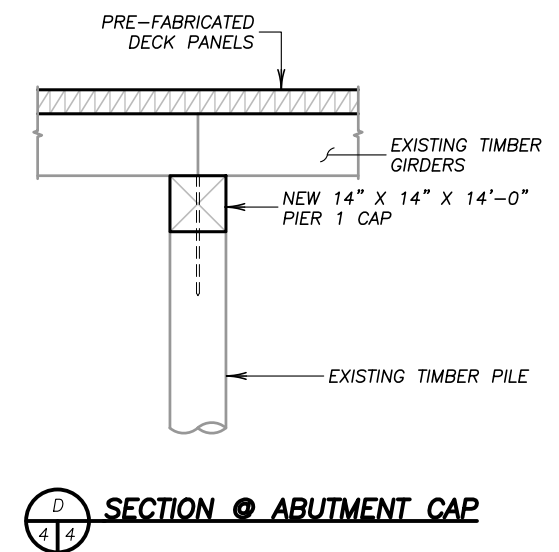
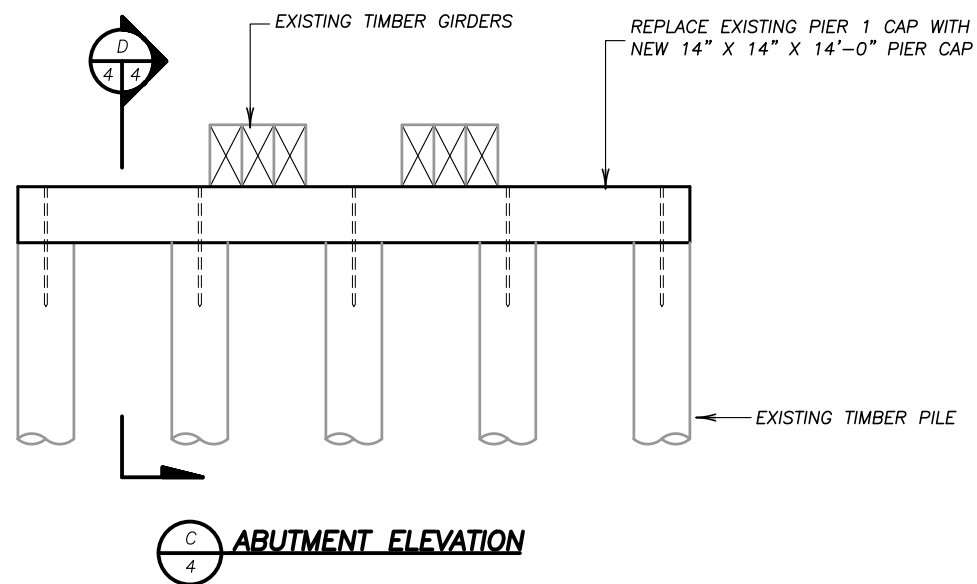
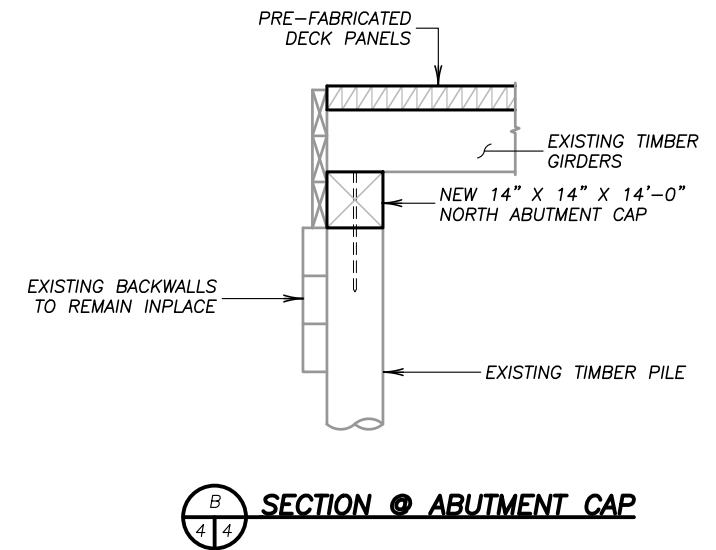
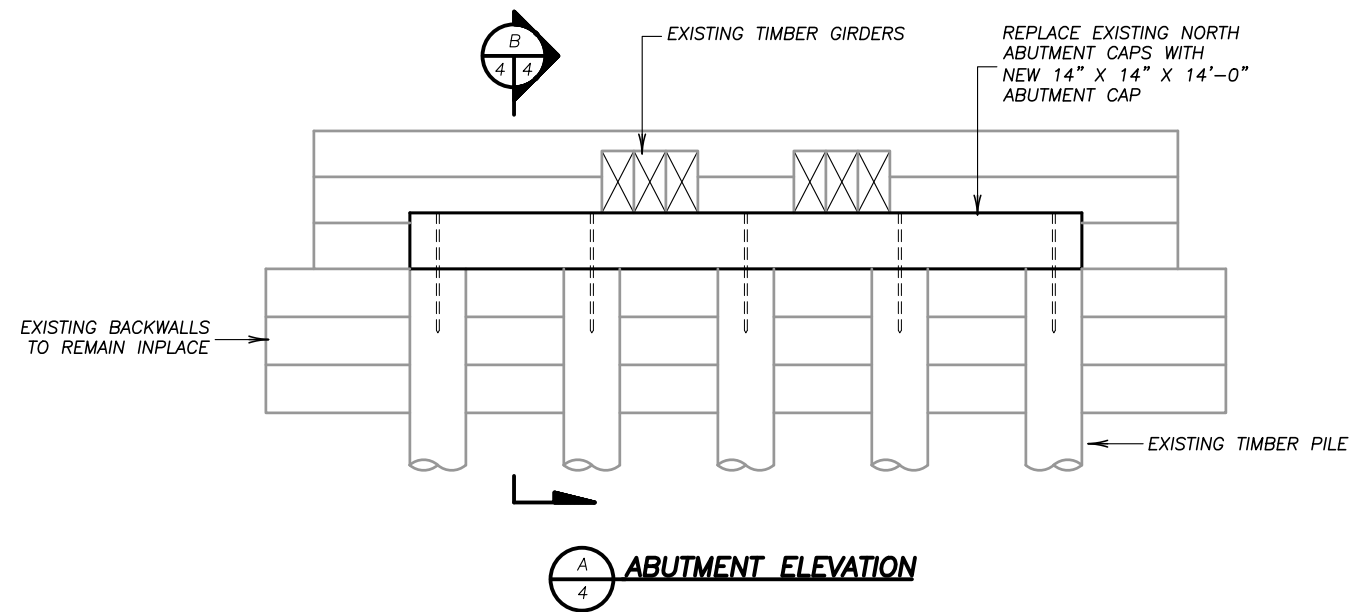
CHK: JBS

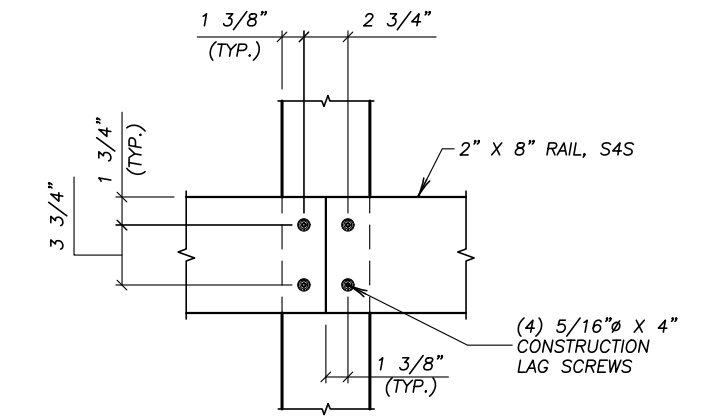
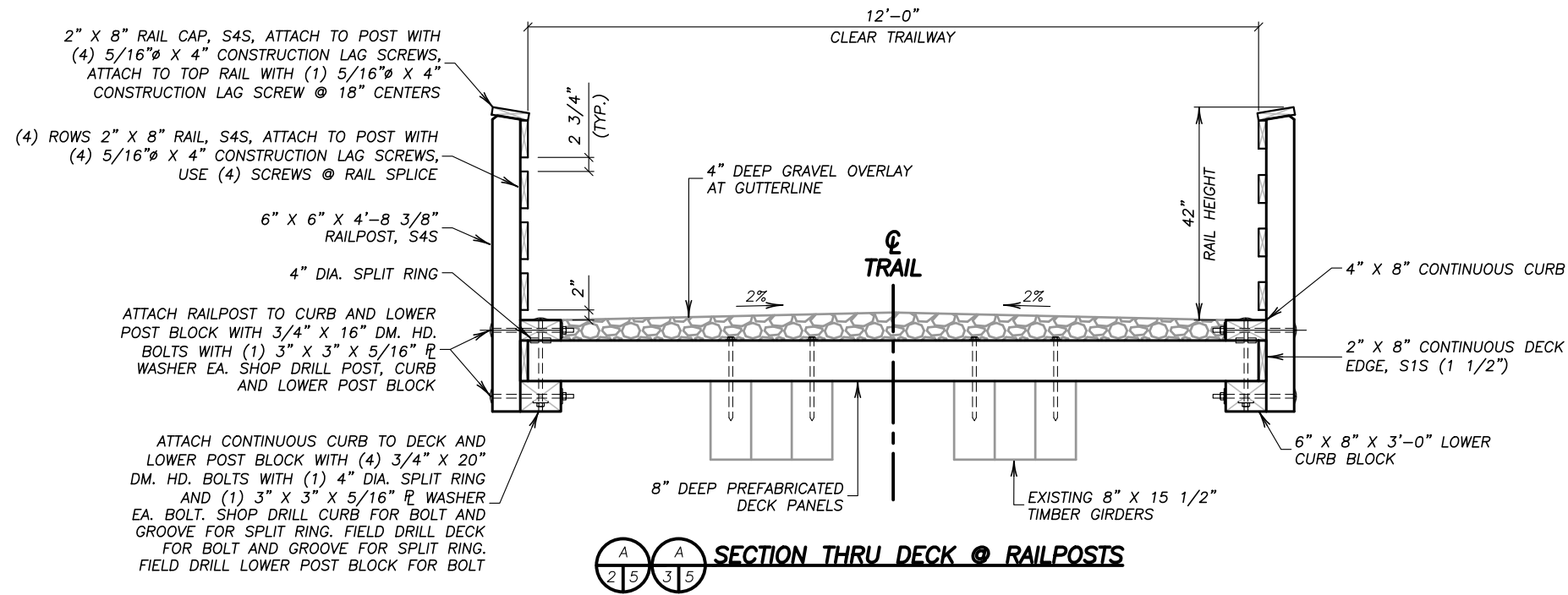
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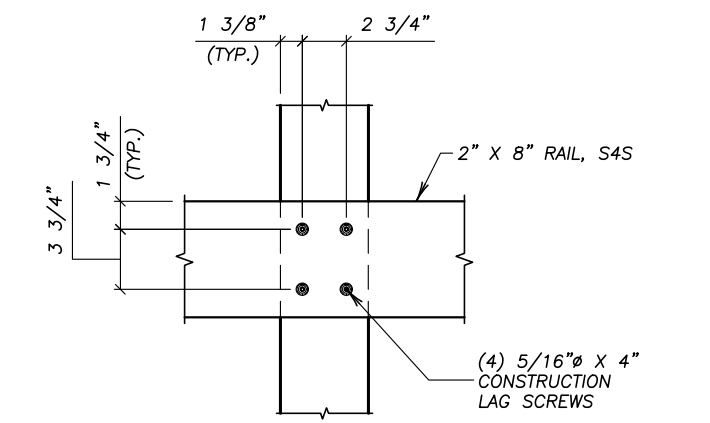
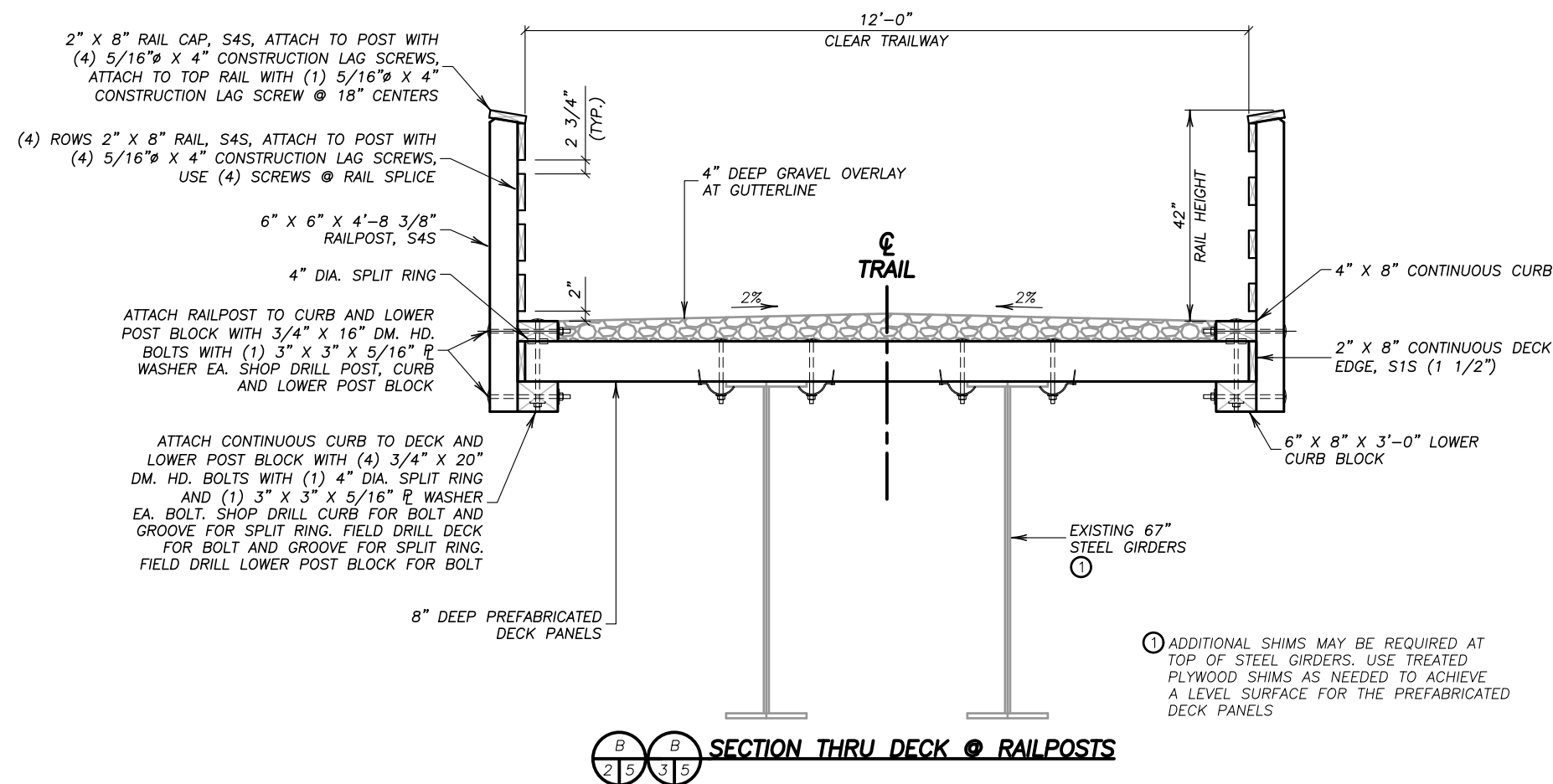
SHEET NO.

3





C 2" x 8" RAIL ATTACHMENT SPLICE DETAIL  
6" x 6" POST



D 2" x 8" RAIL ATTACHMENT DETAIL  
6" x 6" POST

① ADDITIONAL SHIMS MAY BE REQUIRED AT TOP OF STEEL GIRDERS. USE TREATED PLYWOOD SHIMS AS NEEDED TO ACHIEVE A LEVEL SURFACE FOR THE PREFABRICATED DECK PANELS

SECTION THRU DECK @ RAILPOST

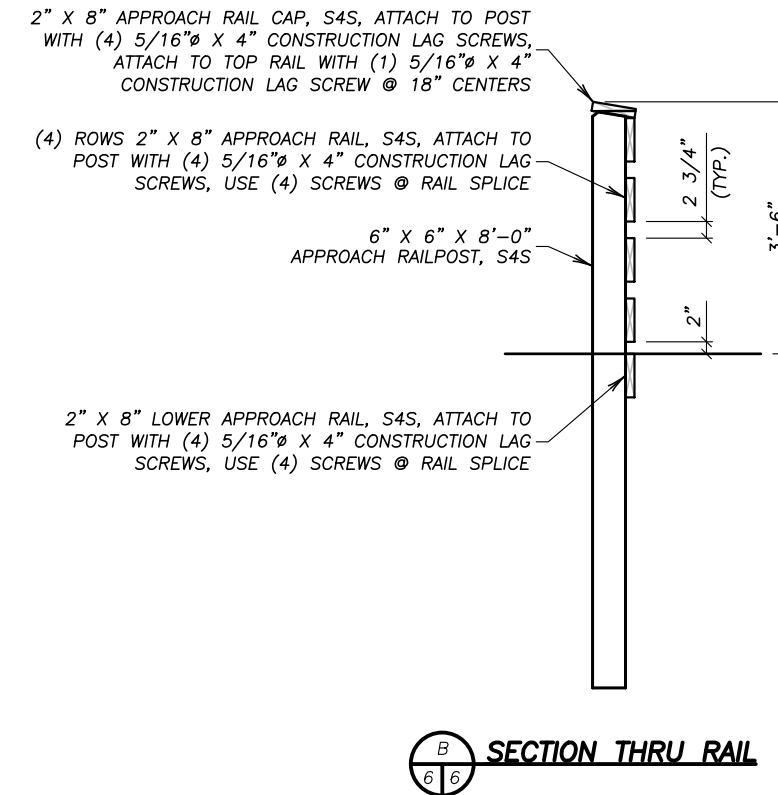
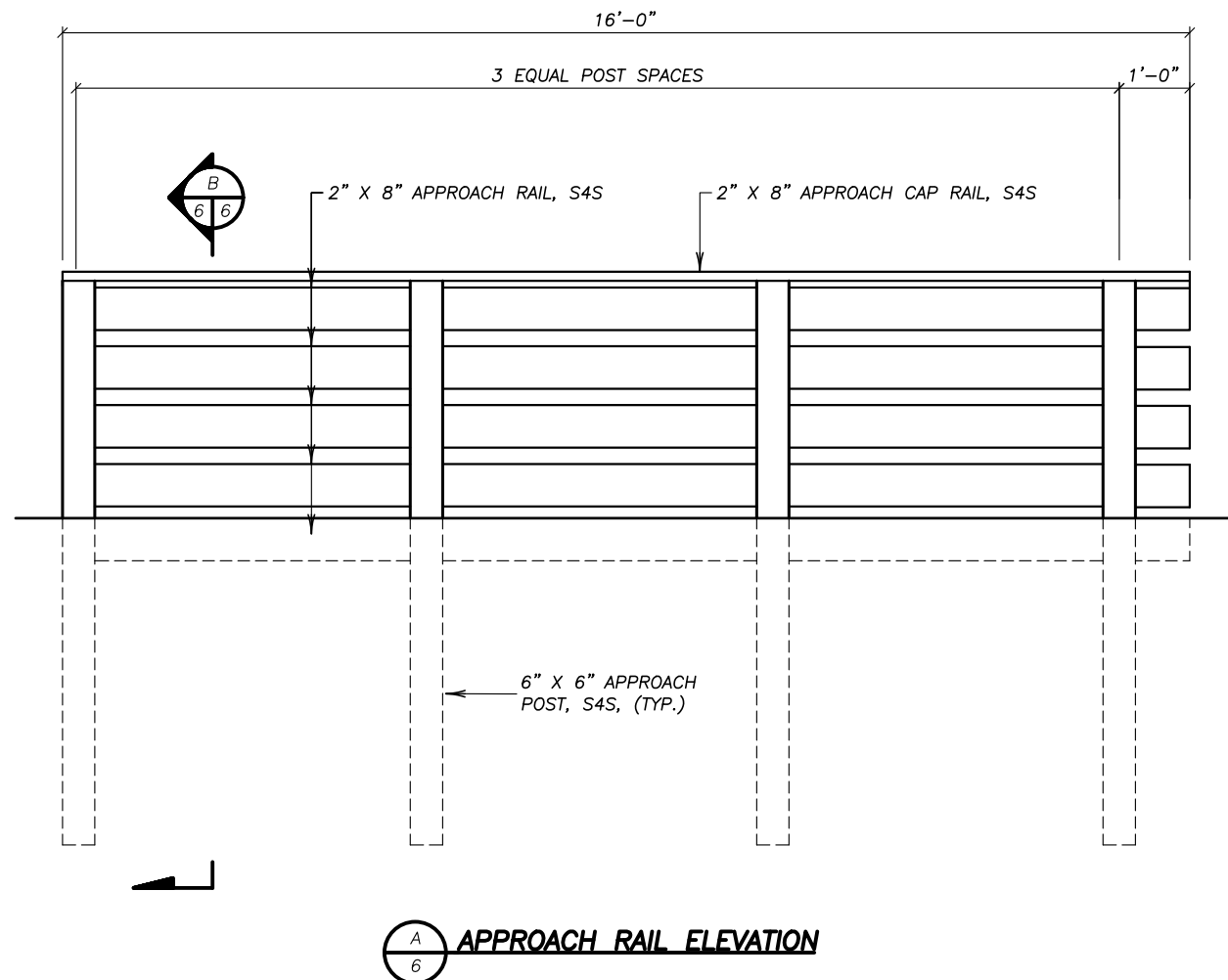
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SHEET NO.  
5



**APPROACH RAIL DETAILS**

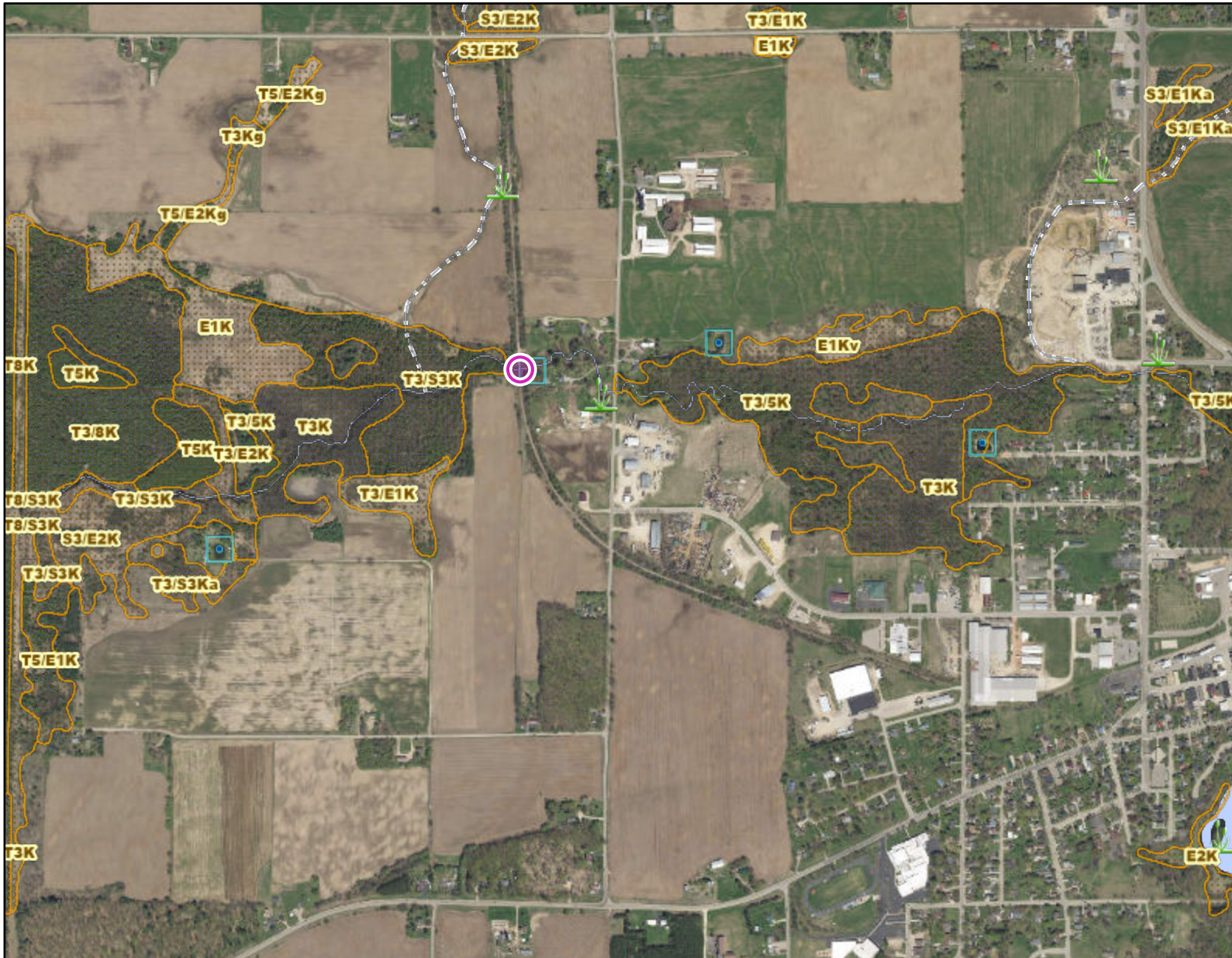
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SHEET NO.



**Legend:** (some map layers may not be displayed)

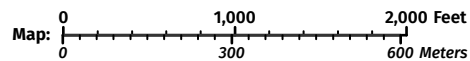
- Wetland Class Points
- Excavated pond
  - Wetland too small to delineate
  - Wetland Class Areas
  - Rivers and Streams
  - Intermittent Streams
  - Open Water
  - Rivers and Streams
  - Intermittent Streams
  - Open Water
  - 24K Intermittent Streams
  - 24K Lakes and Open Water
  - Latest Leaf Off Index
  - Latest Leaf Off Imagery

**Notes:**

Aerial with Wetlands



Map projection: NAD 1983 HARN Wisconsin TM



Service Layer Credits:  
DNR Basic Feature VTL (WTM): Wisconsin Department of Natural Resources, GIS Section, Latest Leaf Off: ,  
Surface Water (Cached): WIDNR, USGS, and other data, Wetland Inventory NWI (Dynamic): Calvin Lawrence,  
Dennis Weise, Nina Rihl

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This map is for informational purposes only and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. The user is solely responsible for verifying the accuracy of information before using for any purpose. By using this product for any purpose user agrees to be bound by all disclaimers found here: <https://dnr.wisconsin.gov/legal>

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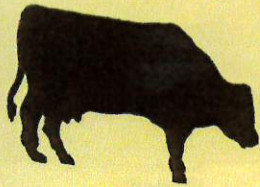
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Phone: 920-855-2158

Gillett, Wisconsin 54124

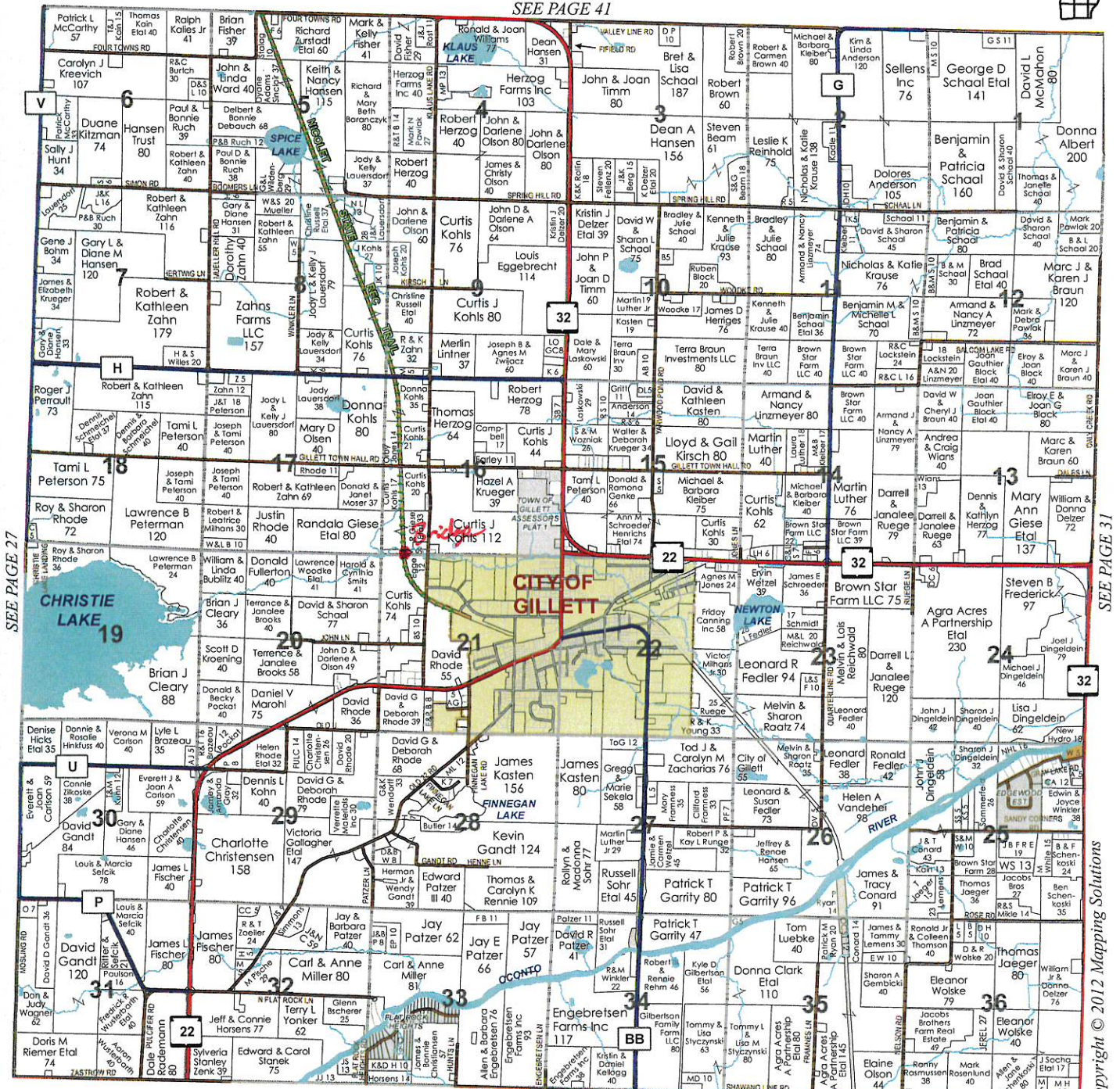
"Our Service Makes The Difference"



## GILLETT T28N • R18E



SEE PAGE 41



SEE PAGE 27

SEE PAGE 31

# Oconto County Forest, Parks, and Recreation Bridge #25 Inspection

5/7/2025





Looking north



Looking north



Looking north



Looking north



Looking north



Looking north



Looking south



Looking south, east side of bridge



Looking south, west side of bridge



Looking east between N. Abut. & Pier 6



Looking east between N. Abut. & Pier 6



Looking east between Pier 6 and Pier 5



Looking east between Pier 5 and Pier 4



Looking west between Pier 4 and N. Abut.



Looking east between S. Abut. & Pier 3



Looking SE between S. Abut. & Pier 1



Looking east between Pier 1 & Pier 2



Looking NE between Pier 2 and Pier 3



Looking SW between S. Abut. & Pier 1



Looking west between Pier 1 & Pier 2



Looking NW between Pier 2 and Pier 3



Looking north at underside of bridge at Pier 2



Looking at S. Abut. west side



Looking at south abutment



Rotted 8' x 8" RR tie at south abutment



Looking at S. Abut. East side



South end of bridge – rotted 8” x 8” RR ties



South end of bridge – rotted 8” x 8” RR ties



Looking north from south abutment



Looking up at Pier 3 (north side)



Pier 3 detail west side at girders



Looking up at Pier 3 (north side)



Pier 3 detail east side at girders



Pier 3 east side – note tree removal



Pier 4 looking north



Pier 4 looking north



N. Abut. Pier cap rotted



North end of bridge – rotted 8” x 8” RR ties



North end of bridge – rotted 8” x 8” RR ties



Looking south from N. Abut.



North end of bridge looking south – rotted 8” x 8” RR ties



N. Abut. pier cap rotted



Looking north at N. Abut.



Looking south at Pier 5



Looking south at Pier 5



Looking up (south) at Pier 4



Looking up (south) at Pier 4 detail



Looking up (south) at Pier 3



Looking NE at Pier 5



Looking up (east) at Pier 4



Looking (south) at rotted 8" x 8" RR ties