

#36 Shawano Krakow Mountain Bay Bridge Redecking x 3

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)

**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 Shawano 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 Keith Marquardt			Check Recipient Name (Name to Appear on Check) Debra Wallace		
Title Parks Director			Title County Treasurer		
Address W5785 Lake Drive			Address 311 N Main		
City Shawano	State WI	ZIP Code 54166	City Shawano	State WI	ZIP Code 54166
Telephone Number (715) 526-5216		Email Address keith.marquardt@shawanocountywi.gov			

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

Project Title 2024-2025 Trail Maintenance Funding					Current Funded Miles SN 475.9 ATV 556.6	New Miles (if applicable)
County Shawano	Township N	Range O E O W	Section ¼ ¼	¼	GPS Coordinates: Lat. _____ Long. _____	

**Project Description Summary**

Maintenance activities include trail grooming, trail mowing & brushing, trail sign repairs and erection along routes, bridge & culvert repairs, plowing of parking lots and access roads, grading/bulldozing of trail surfaces, transportation of grooming equipment as needed, as well as administrative fees with Shawano County. All clubs utilize A Class power units. Easements are on file for use of private lands. (Note): New Miles funding does not require any development dollars. Trails are currently existing and being maintained by the respective club clubs.

Shawano County proposes to rehabilitate three railroad truss bridges on the Mountain Bay Trail. All three have nails popping up and causing problems. The proposal is to resurface with concrete, as Oconto County has had success with this on the Nicolet.

Bridge #1 (NR-59-003) - 14' x 126' SE SE 17 26-18 over Pensaukee River

Bridge #2 (NR-59-001) - 14' x 40' SW SE 22 26-18 over unnamed trib

Bridge #3 (NR-59-002) - 14' x 52' SW NE 21 26-18 over unnamed trib

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

**Estimated Cost**

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost
\$198,430.00						\$198,430.00
Leave Blank – DNR Use Only						
						\$50,890

**Applicant Certification**

Printed Name of Authorized Official Keith Marquardt	Official's Title Shawano County Parks Director
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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.

Keith Marquardt  
 Signature of Authorized Official

4/4/24  
 Date Prepared

Cost Est for Resurfacing, Railing Repair

Bridge 1

Concrete	\$19,178
Lumber	\$248.80
Club Labor	\$1,500
	\$20,927

Bridge 2

Concrete	\$14,374
Lumber	\$190
	\$14,564

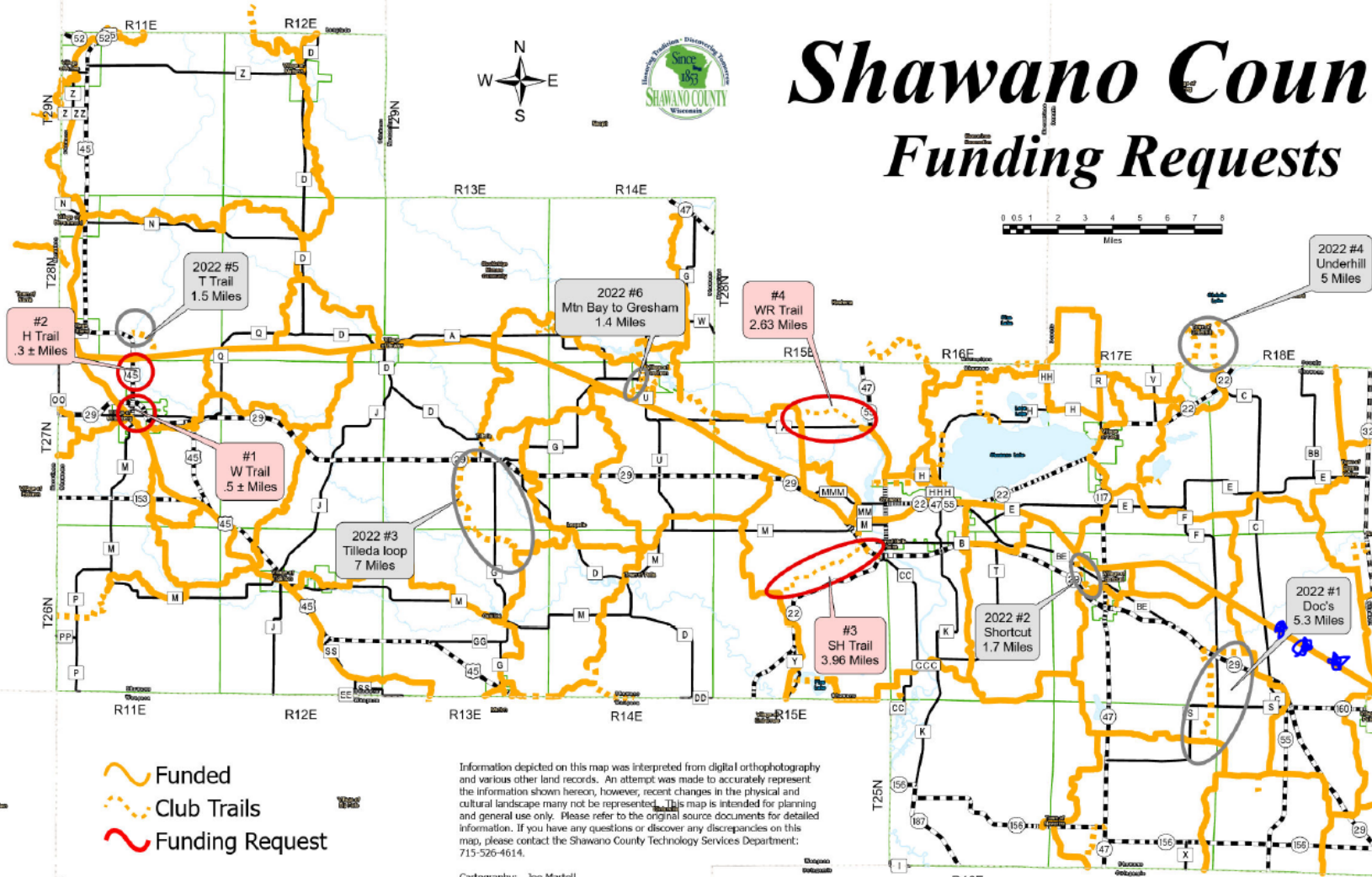
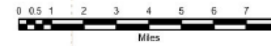
Bridge 3

Concrete	\$13,856
Lumber	\$543.15
Club Labor	\$1,000
	\$15,399



# Shawano County

## Funding Requests



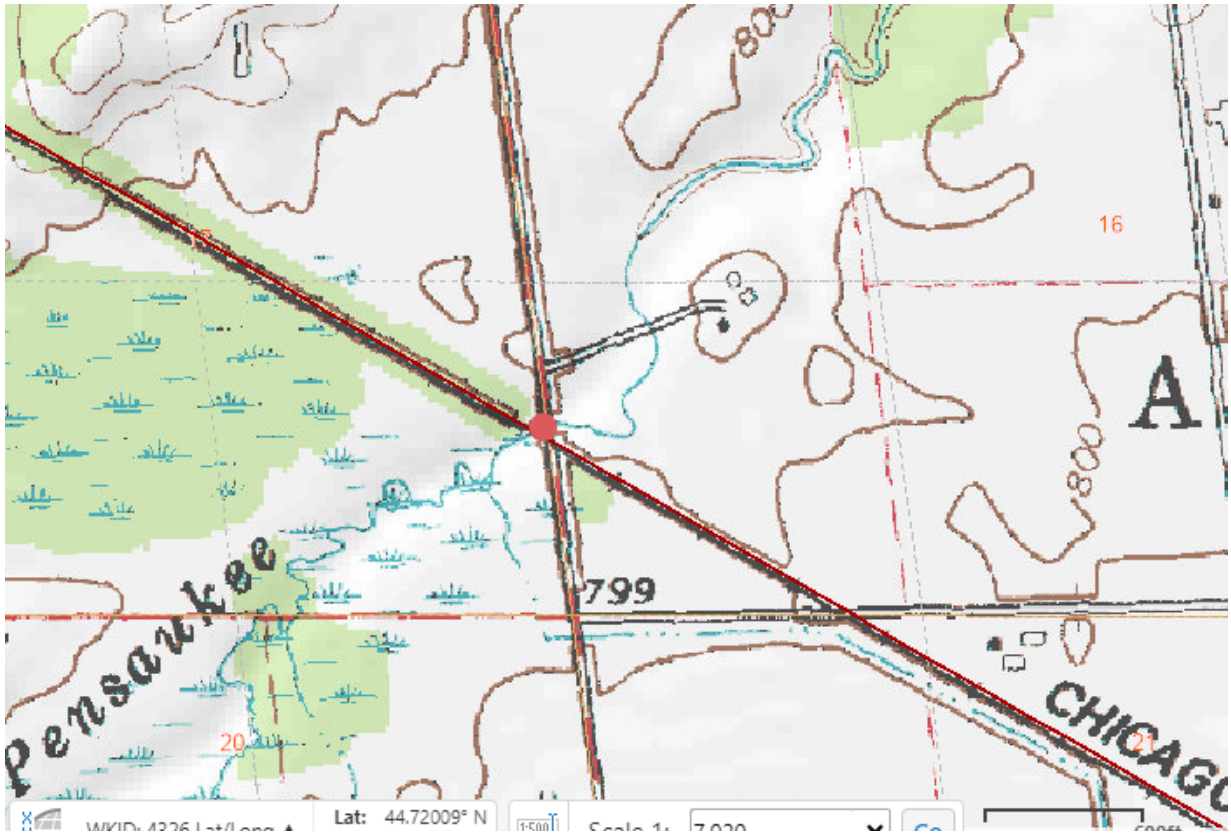
- Funded
- Club Trails
- Funding Request

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 may 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 Technology Services Department: 715-526-4614.

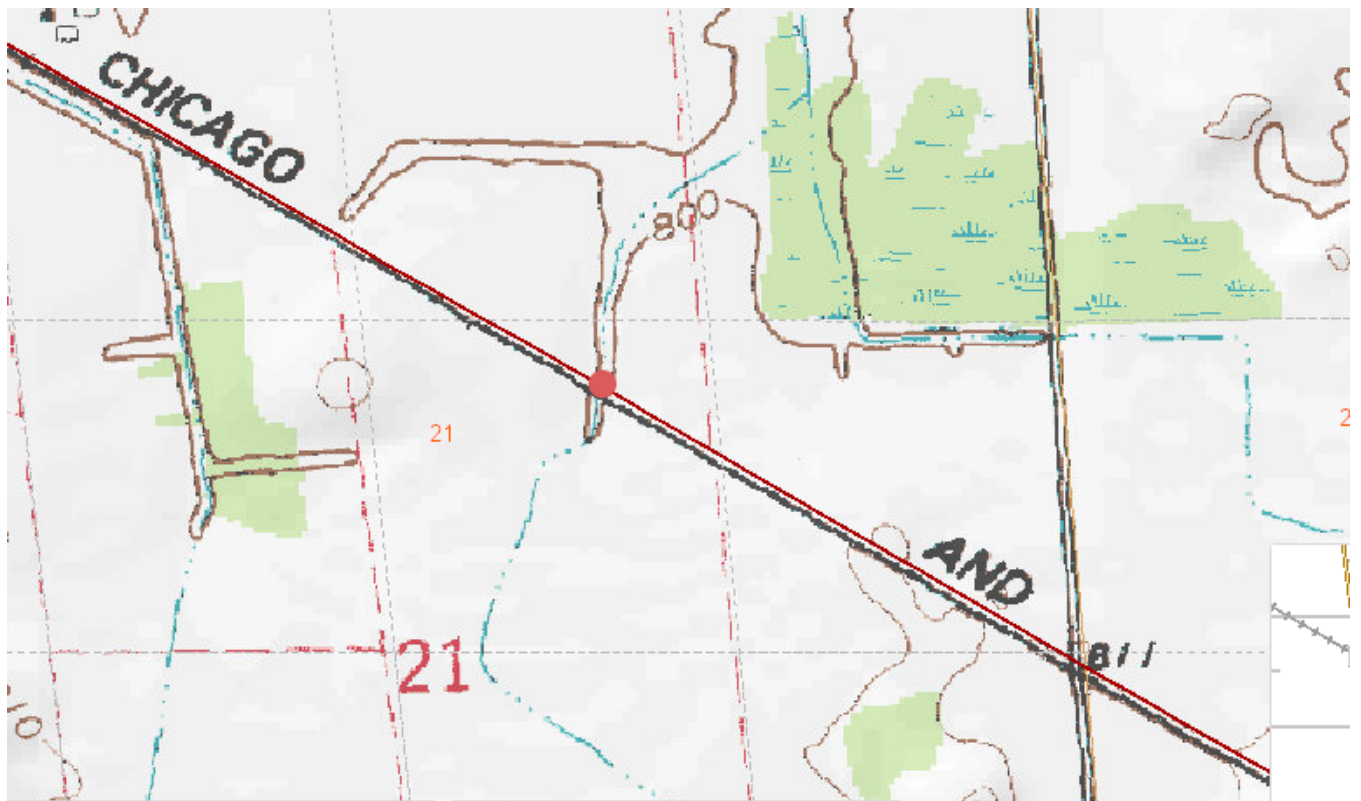
Cartography: Joe Martell  
 Shawano County GIS Analyst / LIO  
 Date: 04 April, 2023

Esri, HERE, Garmin

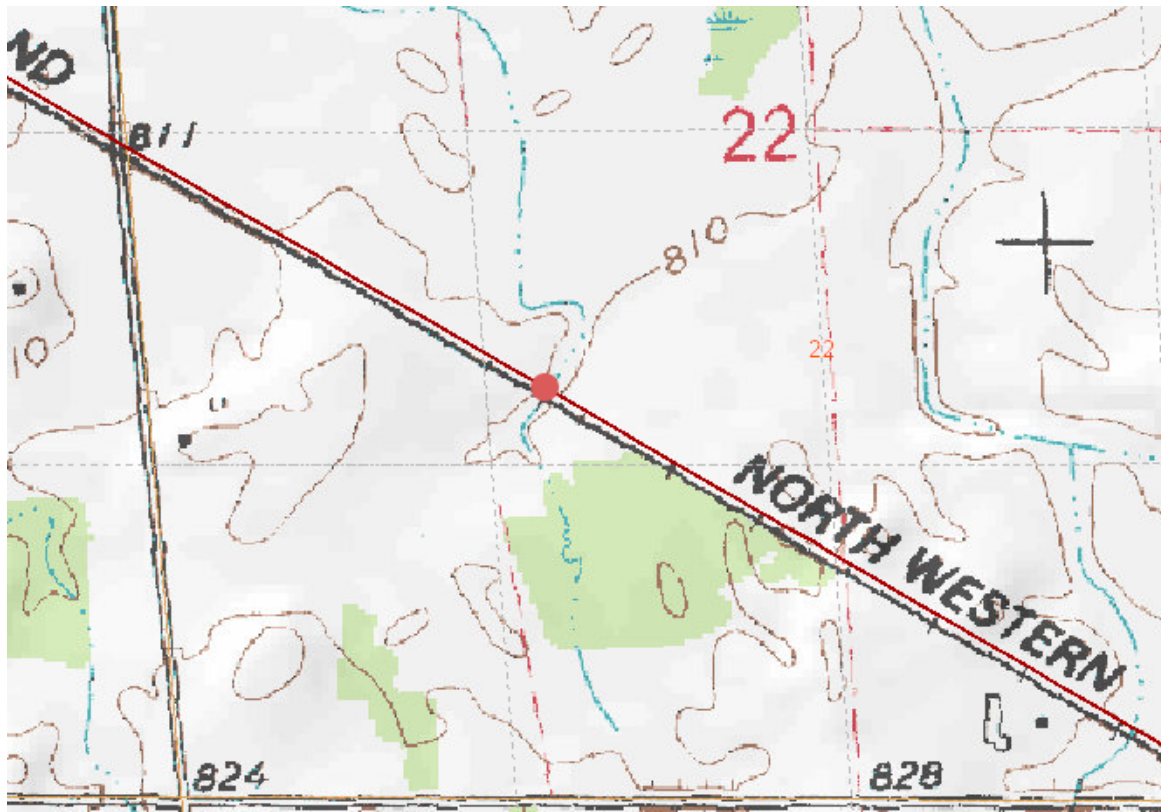
Three Mountain Bay State Trail Resurfacing Requests



Bridge 1 aka NR-59-003



Bridge 3 aka NR-59-002



Bridge 2 aka NR-59-001

**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	
	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	1
	20 miles or more	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>			

Comments/Notes:



**Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge**

Bridge Rehab/Replace     New Bridge     Reroute with new bridge    Three Bridges

County <b>SHAWANO</b>	Township <b>26 N</b>	Range <b>18</b>	<input checked="" type="radio"/> E <input type="radio"/> W	Section <b>17, 21, 22</b>	1/4 1/4 <b>see attached</b>	1/4 <b>see attached</b>	GPS Coordinates: Lat. <b>see attached</b> Long.
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Water Body Name <b>Pensaukee, Unknown</b>	Bridge Name <b>NR-59-001, NR-59-002, NR-59-003</b>	County Inventory Number
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Funded Trail Name or Number (SNARS if applicable) <b>KRAKOW / MOUNTAIN BAY</b>	Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No    Year: _____ \$ _____
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Bridge is located on: <input type="radio"/> Private property <input checked="" type="radio"/> Public property	Old Bridge/Culvert Size _____ New Bridge/Culvert Size _____
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Landowner Where Bridge is Located <b>STATE</b>	Telephone Number _____	Length of Trail Use Agreement (5 year minimum) <b>StateTrail</b>
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Current maximum load _____ lbs.	Age of Bridge <b>31</b>	Bridge Material <b>RAILROAD TRUSSELS/TREAT LUMBER</b>
Proposed maximum load _____ lbs.		

Sponsoring Club Name <b>KRAKOW HIGH MOU RIDER</b>	Club Contact <b>TOM GWID</b>	Telephone Number <b>920-609-4879</b>
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Do you have your trail bridges posted as to maximum load? <input type="radio"/> Yes <input checked="" type="radio"/> No	What is the maximum load of the other bridges on the system if groomed with this bridge?
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What is the weight of your puller & drag/grading equipment?

What other recreational trail uses are planned for this bridge?  
**BIKERS, HIKERS, BIKING, HORSE BACK RIDING, SNOWMOBILING WINTER**

If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users?  
**N/A**

- Yes  No Have you contacted your local [DNR Water Management Specialist \(WMS\)](#) regarding a permit?
- Yes  No Is a permit needed? (Please provide any written correspondence from WMS.)
- Yes  No Have you contacted your County Zoning Dept. regarding a floodplain determination?
- Yes  No Will an H & H (hydrologic and hydraulic) study be required?

**Bridge Project Detailed Description**

1. REMOVE decayed lumber
2. PREP APPROACHES
3. Higher boards, new Rich boards
4. 6" concrete topping

# Mountain Bay Bridge Repair Project

Date: 01/31/2024

NR 59-003 14' x 126' SE SE 17 26-18 over Pensaukee River

## Bridge 1

See attached pictures

See Attached quote for lumber replacement/repairs

See Attached quote for concrete installation

See Attached excipient from Oconto County Bridges

2,488.80 Lumber  
19,178.00 Concrete  

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21,666.80  
+\$1,500 club labor

Side Rails will have L brackets installed on all 12 rail posts for additional support. Bottom kick board to be added in due to 6-inch concrete being installed, overall rail height will be over 45 inches high – meets specs. Both approaches will have 10 ft of concrete installed also.

### Labor items:

Center boards are in bad shape and will be removed – not replaced but removed.

Repair rails moved out of place/install brackets

Replace kick boards

Clean up/removal debris

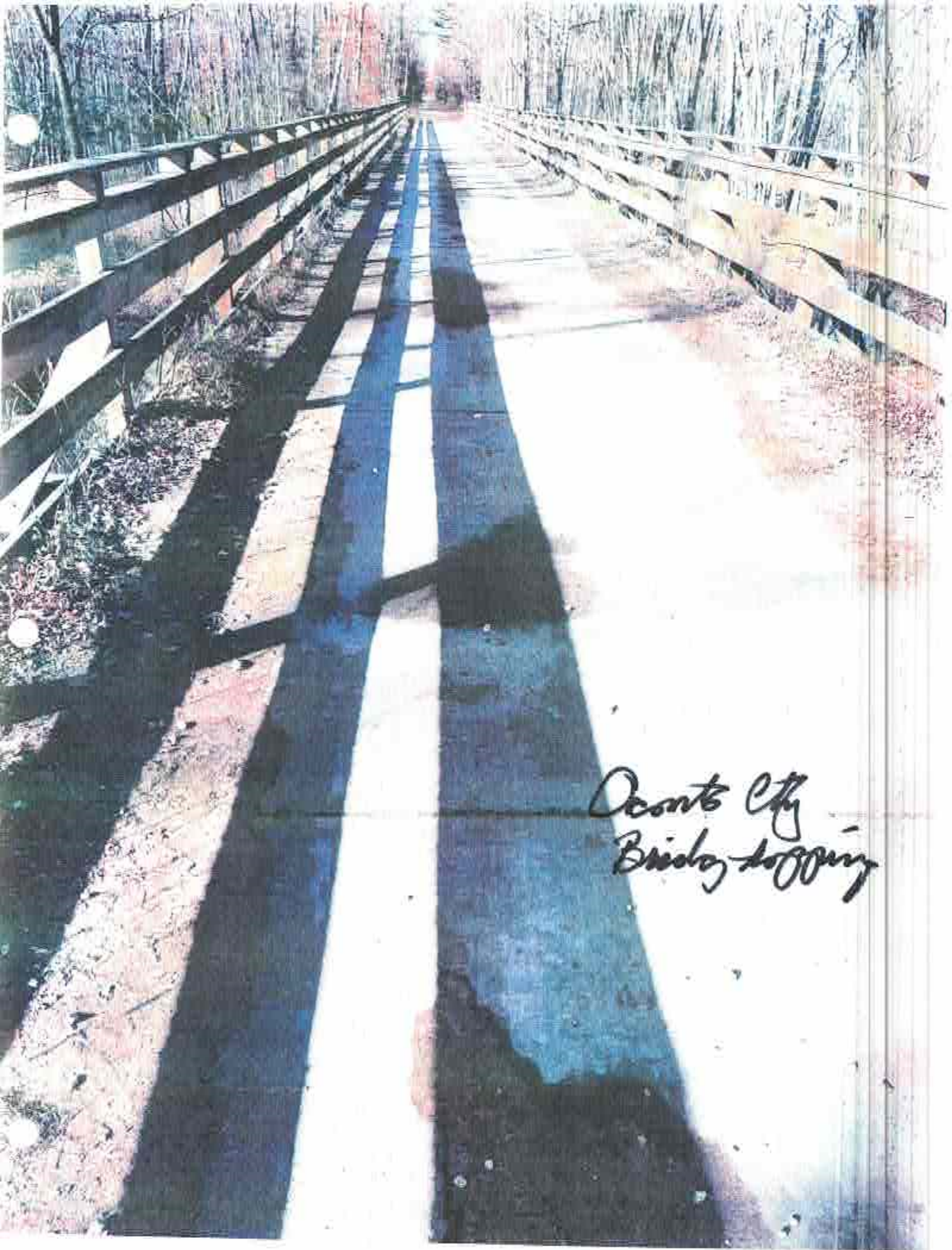












Oconto City  
Bridge Logging



**State of Wisconsin**  
**DEPARTMENT OF NATURAL RESOURCES**  
2984 Shawano Avenue Green Bay WI  
54313-6727

**Tony Evers, Governor**  
**Preston D. Cole, Secretary**  
Telephone 608-266-2621  
Toll Free 1-888-936-7463  
TTY Access via relay - 711



# INSPECTION REPORT FOR **NR-59-003**

Mountain Bay State Trail over Pensaukee River  
November 23, 2020



**Identification & Location**

Structure No.	NR-59-003	State Division	Trails
Feature On	Mountain Bay Trail	Location	Mountain-Bay State Trail
Feature Under	Pensaukee River	Trail Mile	
Sect/Twn/Rng	17/26N/18E	Latitude	N44.71930
Municipality		Longitude	W88.32837
County	Shawano	Owner	
Year Built	1930	Maintainer	WI DNR

**Inspection**

Type	Prior Date	Frequency (mos)
Routine	11/22/2014	
SIA Review		

**Inspector**

Inspector	Number	Date	Completion Time
Eugene Hietpas	9708	11/23/2020	
Signature	<i>Eugene Hietpas</i>		
Team Members			
Matthew Courtney			

**Geometry**

Total Width (ft)	14	Clr Deck Width (ft)	13.9
Total Length (ft)	126	Deck Area (sq ft)	1764
Deck Surface Material	Timber		

**Span(s)**

# Spans	Material	Configuration	Length (ft)
8	Timber	Girder	12
2	Timber	Girder	14

**Hydraulic**

High Water Elevation (ft)	
Q100 (ft <sup>3</sup> /sec)	
Velocity (ft/sec)	

**Capacity**

Inventory Rating		Last Rating Date	
Operating Rating		Controlling	

**Elements**

Quantity in Condition State

Element	Defect	Description	UOM	Total	1	2	3	4	Comments
31		<b>Timber Deck</b>	SF	1764		1764			
	1140	Decay/ Section Loss/Abrasion/Wear	LF			1764			Typical minor decay on the deck and wearing surface
111		<b>Timber Open Girder/Beam</b>	LF	252		252			
	1150	Checks/Shakes/Cracks/Splits/Delamination	LF			252			Typical minor splits and checks
206		<b>Timber Columns</b>	EA	55		55			
	1140	Decay/ Section Loss/Abrasion/Wear	LF			55			Minor decay at water line/dirt line; 1/4" penetration.
216		<b>Timber Abutment</b>	LF	28		28			
235		<b>Timber Pier Cap</b>	LF	126		126			
332		<b>Timber Railing</b>	LF	252		252			
8400		<b>Integral Wingwall</b>	EA	4		4			

**Assessments**

Quantity in Condition State

Element	Description	UOM	Total	1	2	3	4	Comments
9030	Signs - Object Markers	EA	4		4			
9041	Slope Protection - Bare	EA	2		2			
9250	Crash Walls/Web Walls/Cross Bracing or Struts	EA	7		7			
9324	Approach Roadway - Gravel	EA	2		2			

**NBI Ratings**

	File	New
Deck	7	5
Superstructure	7	6
Substructure	7	6
Culvert	N/A	N/A
Channel	7	7
Waterway	7	7

**Structure Specific Notes**

**Inspection Specific Notes**

**Inspector Site-Specific Safety Considerations**

**Maintenance Items History**

Item	Priority	Recommended By	Status Date
Replace worn wearing surface.	Low	EFH	11/23/2020
Monitor timber columns.	Low	EFH	11/23/2020





West approach, looking east.



East approach, looking west.





North fascia, looking southwest.



South fascia, looking northwest.





East abutment, looking east.



West abutment, looking west.





Typical pier, looking west.



Underdeck, looking west.



# Mountain Bay Bridge Repair Project

Date: 01/31/2024

NR-59-001 14' x 40' SW SE 22 26-18 over unnamed waterbody

## Bridge 2

See attached pictures

See Attached quote for lumber replacement/repairs

See Attached quote for concrete installation

See Attached excipient from Oconto County Bridges

190.00  
14,374.00  
14,564.00  
no labor due work

Side Rails will have L brackets installed on all 14 rail posts for additional support. Bottom kick board to be replaced due to 6-inch concrete being installed, overall rail height will be over 45 inches high – meets specs. Both approaches will have 10 ft of concrete installed also.

### Labor items:

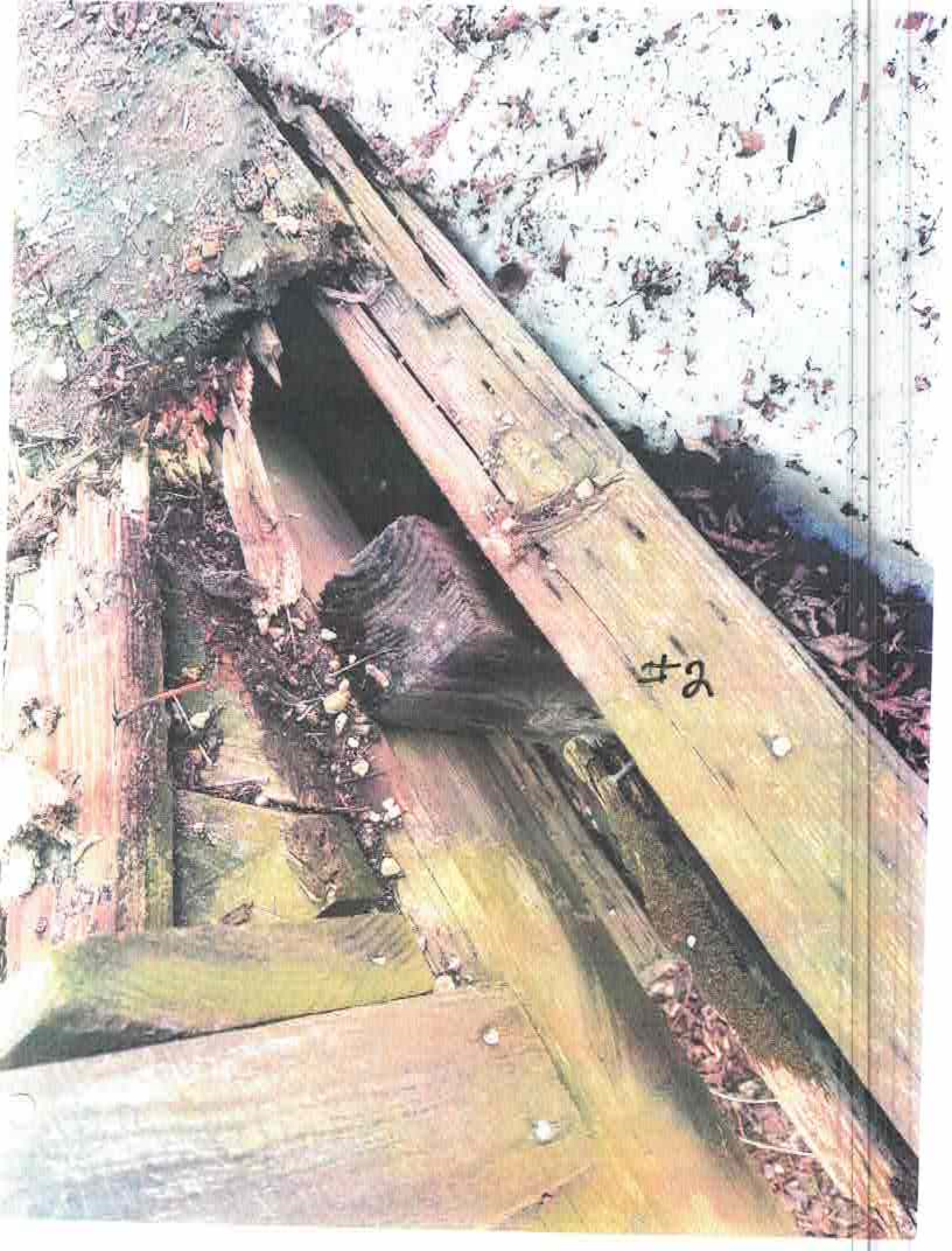
Center boards are in bad shape and will be removed – not replaced but removed.

Repair rails moved out of place/install brackets

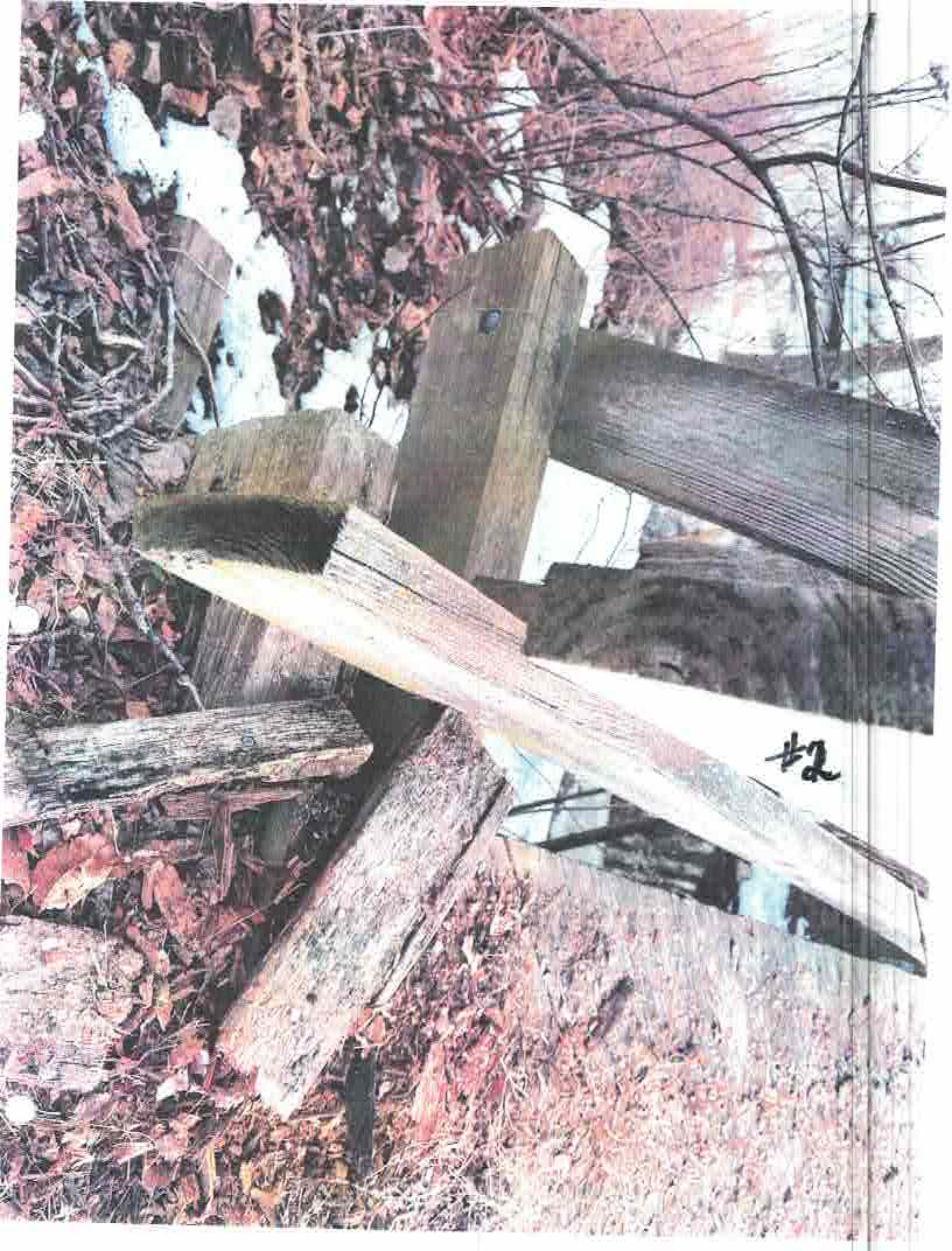
Replace kick boards

Clean up/removal debris









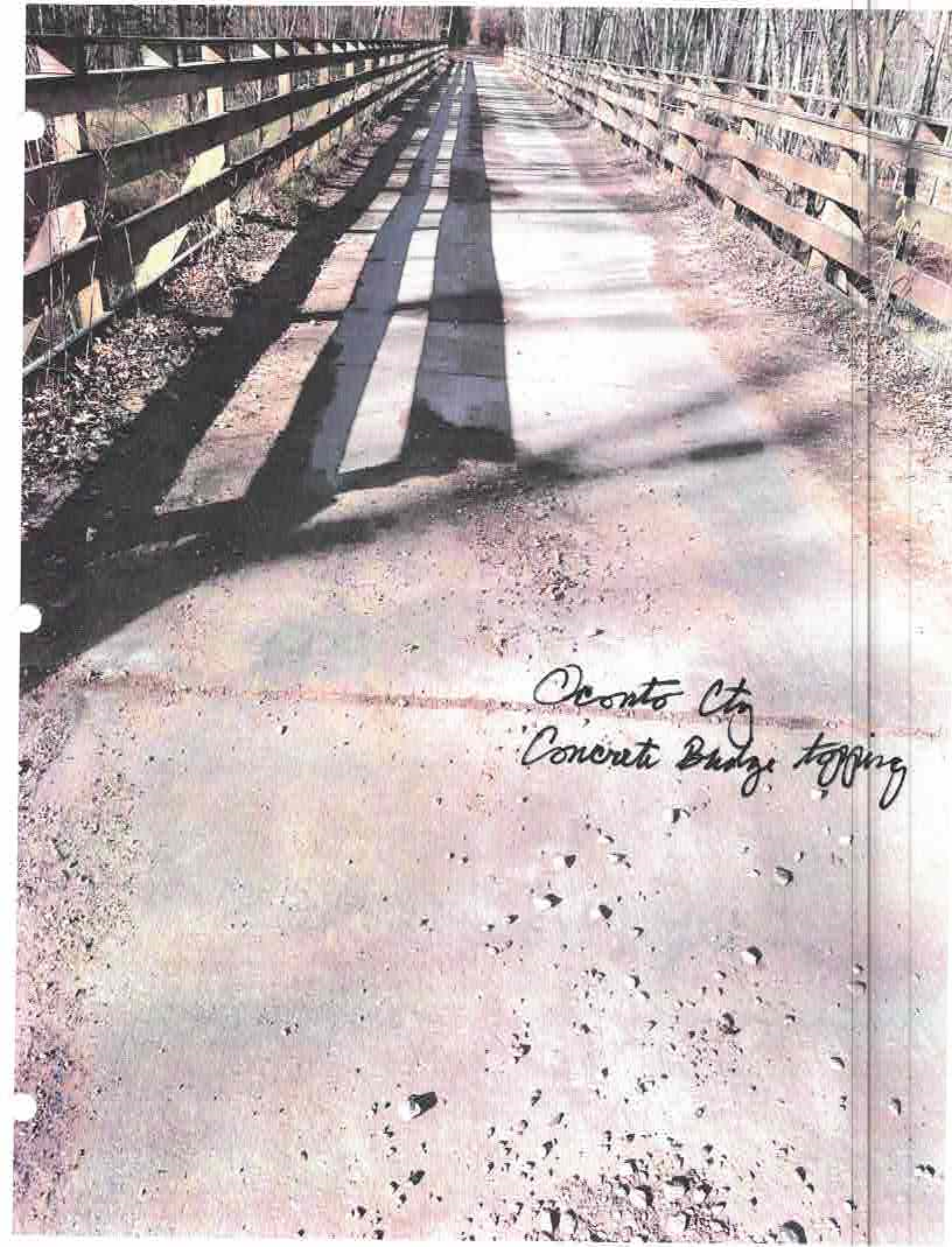
#2





#2





Oconto Cty  
Concrete Bridge Topping



**State of Wisconsin**  
**DEPARTMENT OF NATURAL RESOURCES**  
2984 Shawano Avenue Green Bay WI  
54313-6727

**Tony Evers, Governor**  
**Preston D. Cole, Secretary**  
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Toll Free 1-888-936-7463  
TTY Access via relay - 711



# INSPECTION REPORT FOR **NR-59-001**

Mountain Bay State Trail over Unknown  
November 23, 2020





**Identification & Location**

Structure No.	NR-59-001	State Division	Trails
Feature On	Mountain Bay Trail	Location	Mountain-Bay State Trail
Feature Under	Unknown	Trail Mile	
Sect/Twn/Rng	22/26N/18E	Latitude	N44.70307
Municipality		Longitude	W88.29062
County	Shawano	Owner	
Year Built	1930	Maintainer	WI DNR

**Inspection**

Type	Prior Date	Frequency (mos)
Routine	10/22/2014	
SIA Review		

**Inspector**

Inspector	Number	Date	Completion Time
Eugene Hietpas	9708	11/23/2020	30
Signature	<i>Eugene Hietpas</i>		
Team Members	Matthew Courtney		

**Geometry**

Total Width (ft)	14	Clr Deck Width (ft)	13.9
Total Length (ft)	41	Deck Area (sq ft)	574
Deck Surface Material	Timber		

**Span(s)**

# Spans	Material	Configuration	Length (ft)
2	Timber	Girder	14
1	Timber	Girder	12.5

**Hydraulic**

High Water Elevation (ft)	
Q100 (ft <sup>3</sup> /sec)	
Velocity (ft/sec)	

**Capacity**

Inventory Rating		Last Rating Date	
Operating Rating		Controlling	



**Elements**

Quantity in Condition State

Element	Defect	Description	UOM	Total	1	2	3	4	Comments
31		Timber Deck	SF	574		570	4		
	1020	Connection	SF			570	4		Plywood, 2x6, light decay. Wear course loose boards.
111		Timber Open Girder/Beam	LF	82		82			
	1150	Checks/Shakes/Cracks/Splits/ Delamination	LF			82			Minor splits and checks
206		Timber Columns	EA	20		20			
	1140	Decay/ Section Loss/Abrasion/Wear	EA			20			Frost damage at water line - 1/2" pen.
216		Timber Abutment	LF	28		28			
235		Timber Pier Cap	LF	28		28			
332		Timber Railing	LF	82		82			
	1140	Decay/ Section Loss/Abrasion/Wear	LF						Loose Boards
8400		Integral Wingwall	EA	4		4			

**Assessments**

Quantity in Condition State

Element	Description	UOM	Total	1	2	3	4	Comments
9030	Signs - Object Markers	EA	4		4			
9041	Slope Protection - Bare	EA	2		2			
9250	Crash Walls/Web Walls/Cross Bracing or Struts	EA	2		1	1		West diagonal has large split.
9324	Approach Roadway - Gravel	EA	2		2			

**NBI Ratings**

	File	New
Deck	7	6
Superstructure	7	7
Substructure	7	7
Culvert	N/A	N/A
Channel	7	7
Waterway	8	8

**Structure Specific Notes**

**Inspection Specific Notes**

**Inspector Site-Specific Safety Considerations**

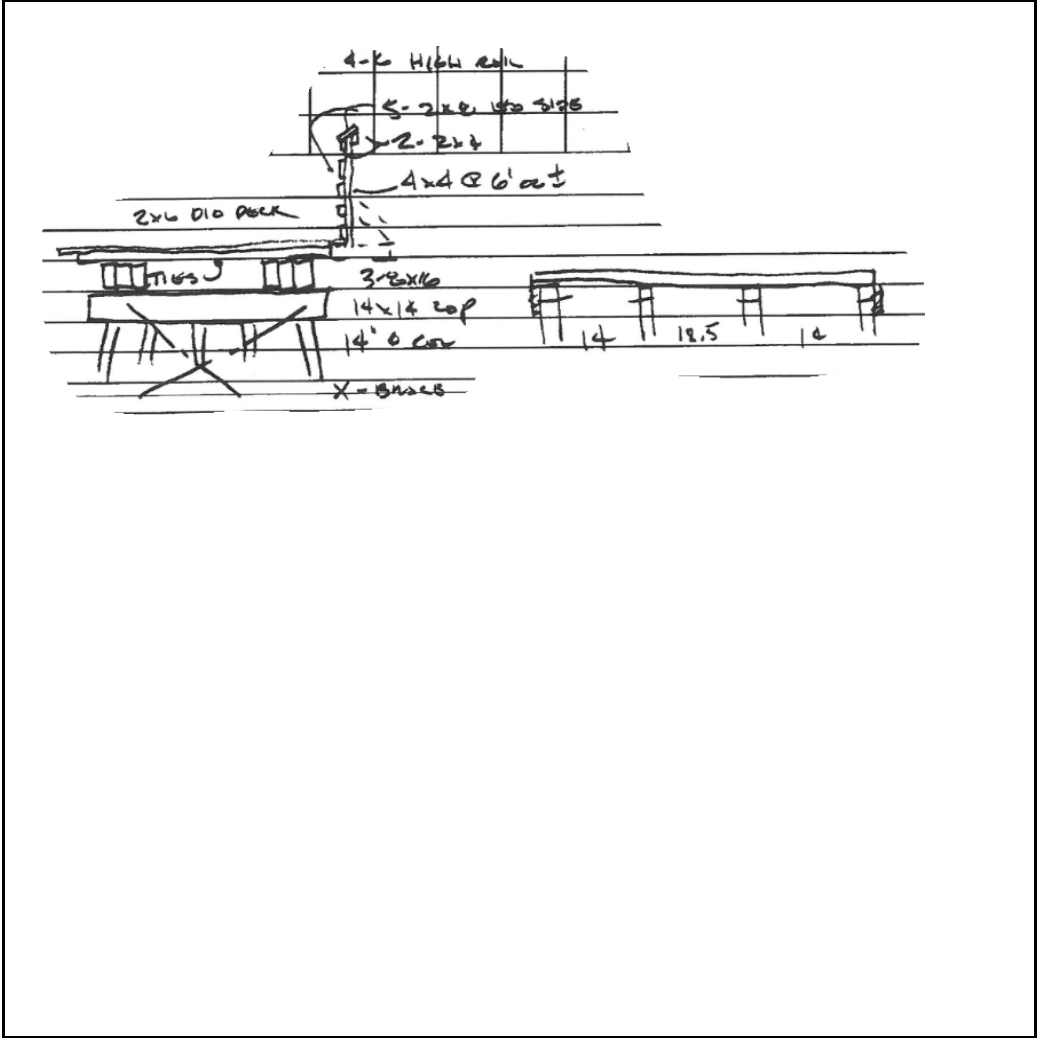
No safety concerns

**Maintenance Items History**

Item	Priority	Recommended By	Status Date
Replace deck and wear course.	Low	EFH	11/23/2020
Repair rail.	Medium	EFH	11/23/2020



Sketch







West approach, looking east.



East approach, looking west.





North fascia, looking south.



South fascia, looking north.





Underdeck, looking west.



Typical pier, looking southwest.





West abutment, looking southwest.



East abutment, looking southeast.





Split cross brace, west pier, looking south.



# Mountain Bay Bridge Repair Project

Date: 01/31/2024

NR-59-002 14x52 SW NE 21 26-18 over unnamed WB

## Bridge 3

See attached pictures

See Attached quote for lumber replacement/repairs

See Attached quote for concrete installation

See Attached excipient from Oconto County Bridges

545.15  
13,856.00  

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14,399.15

+ \$1,000 for club labor

Side Rails will have L brackets installed on all 34 rail posts for additional support. Bottom kick board to be replaced due to 6-inch concrete being installed, overall rail height will be over 45 inches high – meets specs. Both approaches will have 10 ft of concrete installed also, with side support.

### Labor items:

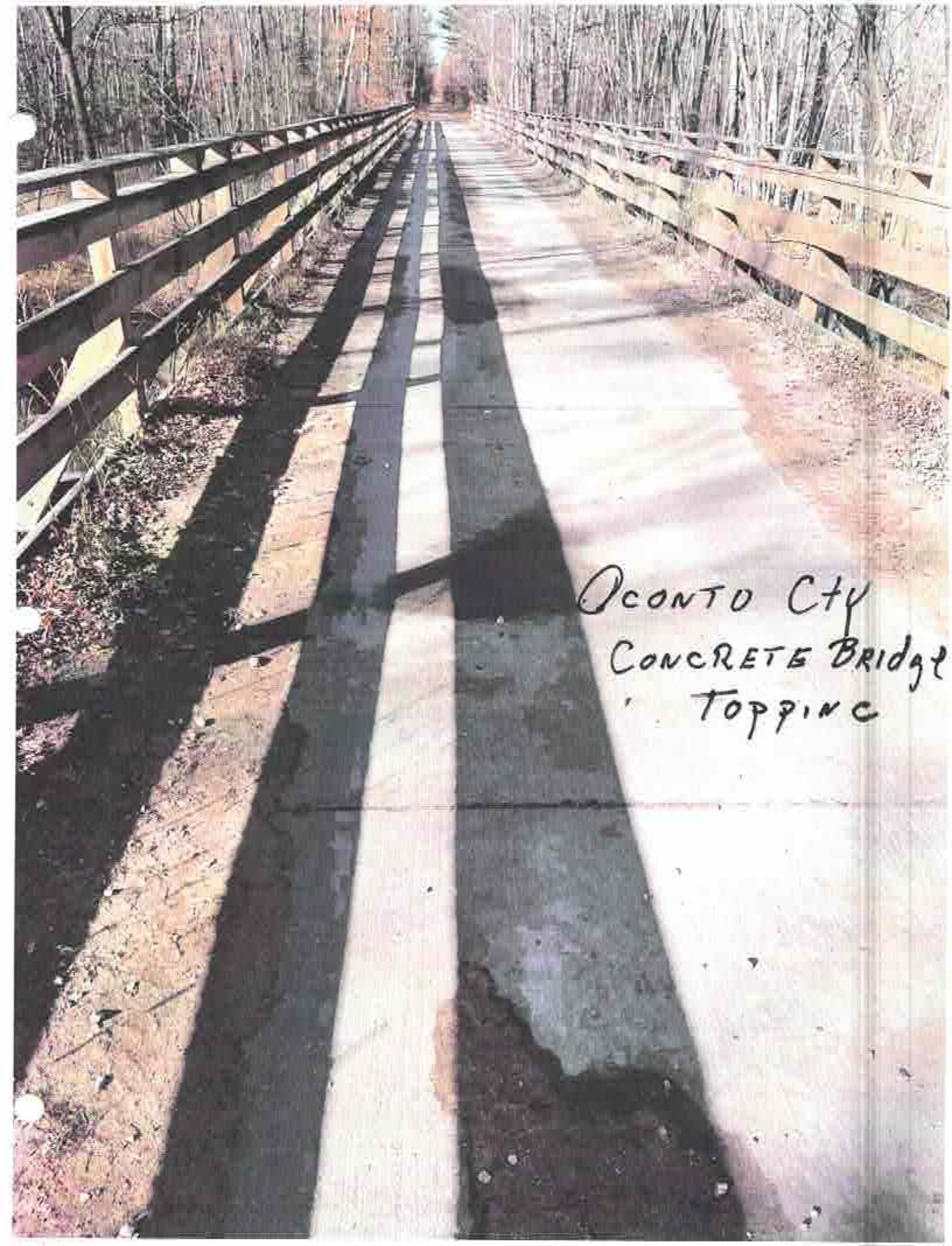
Center boards are in bad shape and will be removed – not replaced but removed.

Repair rails moved out of place/install brackets

Replace kick boards

Clean up/removal debris





OCONTO CTY  
CONCRETE BRIDGE  
TOPPING



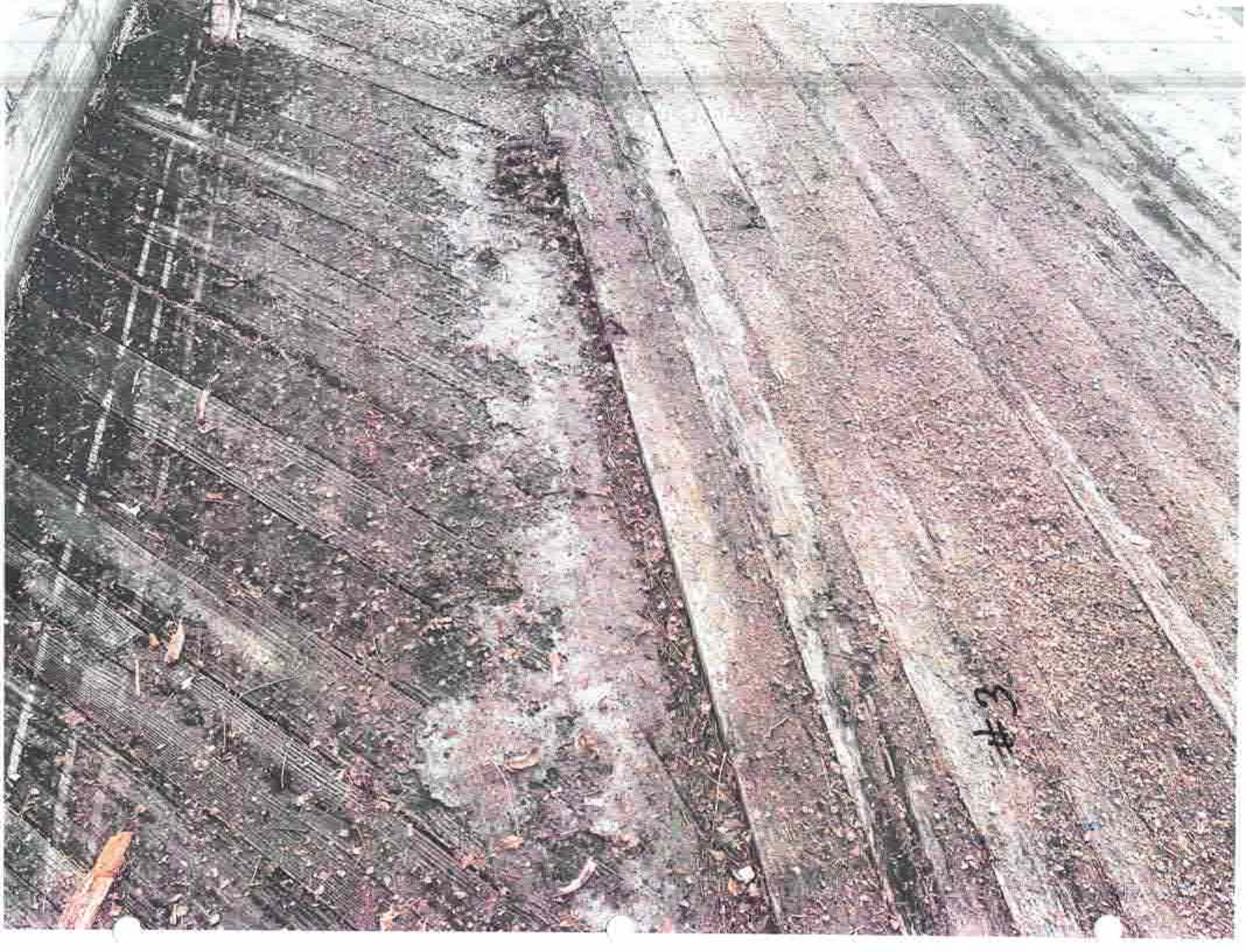


#3









#3



**State of Wisconsin**  
**DEPARTMENT OF NATURAL RESOURCES**  
2984 Shawano Avenue Green Bay WI  
54313-6727

**Tony Evers, Governor**  
**Preston D. Cole, Secretary**  
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# INSPECTION REPORT FOR **NR-59-002**

Mountain Bay State Trail over Unknown  
November 23, 2020





**Identification & Location**

Structure No.	NR-59-002	State Division	Trails
Feature On	Mountain Bay Trail	Location	Mountain-Bay State Trail
Feature Under	Unknown	Trail Mile	
Sect/Twn/Rng	22/26N/18E	Latitude	N44.71259
Municipality		Longitude	W88.31293
County	Shawano	Owner	
Year Built	1930	Maintainer	WI DNR

**Inspection**

Type	Prior Date	Frequency (mos)
Routine	10/22/2014	
SIA Review		

**Inspector**

Inspector	Number	Date	Completion Time
Eugene Hietpas	9708	11/23/2020	
Signature	<i>Eugene Hietpas</i>		
Team Members			
Matthew Courtney			

**Geometry**

Total Width (ft)	14	Clr Deck Width (ft)	13.9
Total Length (ft)	51	Deck Area (sq ft)	714
Deck Surface Material	Timber		

**Span(s)**

# Spans	Material	Configuration	Length (ft)
2	Timber	Girder	12
1	Timber	Girder	13
1	Timber	Girder	14

**Hydraulic**

High Water Elevation (ft)	
Q100 (ft <sup>3</sup> /sec)	
Velocity (ft/sec)	

**Capacity**

Inventory Rating		Last Rating Date	
Operating Rating		Controlling	



**Elements**

Quantity in Condition State

Element	Defect	Description	UOM	Total	1	2	3	4	Comments
31		Timber Deck	SF	735			735		
	1140	Decay/Section Loss/Abrasion/Wear	SF				735		Deck decay and wear surface failing
111		Timber Open Girder/Beam	LF	105		105			
	1150	Checks/Shakes/Cracks/Splits/Delamination	LF			105			Minor splits and checks
206		Timber Columns	EA	25		25			
216		Timber Abutment	LF	28		28			
235		Timber Pier Cap	LF	42		42			
	1150	Checks/Shakes/Cracks/Splits/Delamination	LF			42			Minor splits and checks; Typical split along top.
332		Timber Bridge Railing	LF	105		105			
	1140	Decay/ Section Loss/Abrasion/Wear	LF			105			Minor impact damage
8400		Integral Wingwall	EA	4		4			
	8903	Wingwall Deterioration	EA	4		4			Worn. Minor splits and checks. Light rot

**Assessments**

Quantity in Condition State

Element	Description	UOM	Total	1	2	3	4	Comments
9030	Signs - Object Markers	EA	4		4			
9041	Slope Protection - Bare	EA	2		2			
9250	Crash Walls/Web Walls/Cross Bracing or Struts	EA	3		1	1	1	East side broken and split; west split and deteriorating
9324	Approach Roadway - Gravel	EA	2		2			

**NBI Ratings**

	File	New
Deck	6	6
Superstructure	6	6
Substructure	6	6
Culvert	N/A	N/A
Channel	7	7
Waterway	7	7

**Structure Specific Notes**

**Inspection Specific Notes**

**Inspector Site-Specific Safety Considerations**

No safety concerns.

**Maintenance Items History**

Item	Priority	Recommended By	Status Date
Replace wearing surface and deck.	Low	EFH	11/23/2020
Repair railing.	Medium	EFH	11/23/2020





North approach, looking south.



South approach, looking north.





East abutment, looking northeast.



West abutment, looking southwest.





South fascia, looking northwest.



North fascia, looking southwest.





Typical pier, looking northwest.



Underdeck, looking northwest.





Split diagonal/cross brace, looking west.