



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Inspection Report for
B-29-089 (OLD CTH Q)

STH 58 over LITTLE YELLOW RIVER
May 22,2017



Type	Prior	Frequency (mos)	Performed
Routine	05-14-15	24	X
SIA Review	05-14-15	48	

Latitude	43°55'19.86"N	Owner	STATE HIGHWAY DEPT
Longitude	90°04'20.68"W	Maintainer	STATE HIGHWAY DEPT

Time Log

Team members

Hours	Minutes	
1	15	

Name	Number	Signature	Date
Inspector			
Lynch, Dennis	8893	<i>Dennis Lynch</i> E-signed by Dennis Lynch(emilyharp16)	05-30-17

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Identification & Location

Feature On: STH 58	Section Town Range: S25 T17N R03E	Structure Number: B-29-089
Feature Under: LITTLE YELLOW RIVER	County: JUNEAU	
Location 0.8M N JCT CTH A	Municipality: CLEARFIELD	Structure Name: OLD CTH Q

Geometry

measurements in feet, except where noted

Approach Roadway Width: 44	Bridge Roadway Width: 44.0	Total Length: 25.3
Culvert Barrel Length: 58.0	Culvert Width: 11.5	Culvert Height: 6.5

Traffic

Lanes	ADT	ADT year	Traffic Pattern
On 2	4000	2013	TWO WAY TRAFFIC

Capacity

Load Rating

Inventory rating: HS20	Overburden depth (in): 24.0	Last rating date: 05-08-15	Controlling:
Operating rating: HS33	Deck surface material: BITUMINOUS	Re-rate for capacity (Y/N):	Control location:
Posting:	Re-rate notes:		

Hydraulic

Classification

Scour Critical Code(113): (8) STABLE-ABOVE TOP FOOTING	Q100 (ft3/sec): 950	
High water elevation (ft): 886.2	Velocity (ft/sec): 7.2	Sufficiency #: 96.4

Span(s)

Span #	Material	Configuration	Depth (in)	Length (ft)	Main
1	CONT CONCRETE	BOX CULVERT		11.5	Y
2	CONT CONCRETE	BOX CULVERT		11.5	

Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

Construction History

Year	Work Performed	FOS id
1990	NEW STRUCTURE	6639-00-71

Elements

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
X	241		Reinforced Concrete Culvert	LF	116	113	2	3	0
		1080	Delamination - Spall - Patched Area In ceiling of south barrel has a transverse delaminated/cracked area with rust staining near C/L.	LF		0	1	0	0
		1130	Cracking (RC) Ceiling at inlet end of both barrels, HL transverse cracking with some rust staining.	LF		0	2	0	0
		1900	Distortion	LF		0	0	0	0
X	330		Metal Bridge Rail	LF	36	36	0	0	0
			TYPE F OUTSIDE - snowmobile trail and steel plate beam guard along roadway.						
		1000	Corrosion	LF		0	0	0	0
		1900	Distortion	LF		0	0	0	0

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Structure No.: **B-29-089**

X	8400		Integral Wingwall	EA	4	3	1	0	0
		8902	Wall Movement SW wing may be tipped 1.25" - difficult to determine if tipped or constructed this way.	EA		0	0	0	0
		8903	Wall Deterioration Spall with rust on top of SW wing.	EA		0	1	0	0

Assessments

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	9045		Slope Protection- Riprap BEHIND ALL WINGS; SMALL DEPRESSION N.W.	EA	4	4	0	0	0
X	9248		Culvert End Treatment SW wing may be tipped, spalled with exposed rebar on top. Aprons covered with +6" sand.	EA	2	1	1	0	0
X	9325		Roadway Over Structure NEW "01. (13) TRANS & LONGIT	EA	1	1	0	0	0

NBI Ratings

	File	New
Deck	N	N
Superstructure	N	N
Substructure	N	N
Culvert	7	7
Channel	8	8
Waterway	8	8

Structure Specific Notes

Snowmobiles don't use trail as designed - too narrow.

Inspection Specific Notes

2017 High water unable to walk through observed from both ends

Inspector Site-Specific Safety Considerations

Structure Inspection Procedures

Special Requirements

Other Access Equipment	Chk	Hours	Cost	Comments
	X			Hip waders and feeler rod

**Underwater Probe Form
B-29-089**

General Site Conditions - Scour

General Site Conditions - Embankment Erosion/Conditions

Substructure Notes

Unit	Max Water Depth(ft)	Mode	Notes
Cardinal	4.0	Wade	
Non Cardinal	4.0	Wade	

Routine
Document Comment/Description

SE wing



Routine
Document Comment/Description

Snow mobile trail looking south not used too narrow



Routine

Document Comment/Description

Inlet on the west side



Routine

Document Comment/Description

Overall looking south

