STR 6992				BRIDGE SAFETY INS	PECTION REPORT		
Facility MAGRUDDER ROAD Feature PINE RIVER Location 0.2 MI S OF PINE RIVER RD Region / County Bay(4) / Midland(56)		Latitude / Longitude 43.4928 / -84.5087 Length / Width 179.79 / 34.12 Built / Recon. / Paint / Ovly. 1982 / / / Material / Design 5 Prestressed Concrete / 05 Multiple Box Beam		MDOT Structure ID 56307H00012B020 Owner County: Midland(56) TSC Mt. Pleasant(4A) Last NBI Inspection 09/14/2015 / 96N5	Structure Condition Fair Condition(5)Image: Condition (5)Operational Status A Open, no restriction(A) Scour Evaluation 5 Stable w/in footing		
NBI INSPECTION							96N
Inspector Name			A	Agency / Company Name	Insp	. Freq.	Insp. Date
Eric Rickert				Great Lakes Engineering Gro	-	24	09/14/2015
GENERAL NOTES	6						
Fair.							
DECK							
	09/11	09/13	09/15	5			
1. Surface (SIA-58A)	4	4	4	Map cracking throughout H Map cracking throughout H Map cracking throughout H	IMA, spaced 1-2'. (09/13))	
2. Expansion Joints	6	5	5	Joint at south pier is full of SBD lane. Compression jo growing out of joint, pier ca Joint at south pier is full of SBD lane. Compression jo growing out of joint, pier ca Joint at south pier is full of	bint at north pier, missing ap wet from leakage. (09/ dirt, 1sft spall in header in bint at N pier, missing 50% ap wet from leakage. (09/	75% of hot poure 15) n NBD lane, and % of hot poured ru 13)	ed rubber, vegetation steel header is loose in ubber, vegetation
3. Other Joints	5	5	N	Corrected per guidelines (Abutment joints cracked w Compression joint at N pie joint. (09/11)	ith patched areas. (09/13) ured rubber, vege	tation growing out of
4. Railings	7	7	7	Concrete open parapet wit east rail. Concrete surface Concrete open parapet wit east rail. Concrete surface Concrete surface sealer or	sealer on railing. (09/15) h 1' stems and round peo sealer on railing. (09/13)	tube. Loose tub	
5. Sidewalks or Curbs	Ν	Ν	Ν	(09/15) (09/13) (09/11)			
6. Deck Bottom Surface (SIA-58B)	Ν	Ν	Ν	Adjacent box beams. (09/1 Adjacent box beams. (09/1 Side by side box beams (0	13)		
7. Deck (SIA-58)	6	6	6	HMA surface is map crack (09/15) HMA surface is map crack (09/13) Efflorescence at grout joint	ed throughout. Effloresce	nce at grout joint	
8. Drainage				(09/15)			

09/11 09/13 09/15

STR 6992				BRIDGE SAFETY INS	PECTION REPORT		
Facility			Latit	ude / Longitude	MDOT Structure ID	Structure Condition	
MAGRUDDER ROAD			43.49	928 / -84.5087	56307H00012B020	Fair Condition(5)	
Feature			Leng	ıth / Width	Owner		
PINE RIVER			179.7	79 / 34.12	County: Midland(56)		
Location 0.2 MI S OF PINE RIVER RD			Built	/ Recon. / Paint / Ovly.	TSC	Operational Status	
			1982	-	Mt. Pleasant(4A)	A Open, no restriction(A)	
Region / County			Mate	rial / Design	Last NBI Inspection	Scour Evaluation	
Bay(4) / Midland(56)				estressed Concrete / 05 ple Box Beam	09/14/2015 / 96N5	5 Stable w/in footing	
9. Stringer (SIA-59)	6	6	6	west fascia beam ends ov 14"x7" spall on bottom with bottom near midspan. Sp beam 1W at pier, 1'x3' spa east fascia beam on span Hairline cracks in west fas west fascia beam ends ov a 14"x7" spall on bottom w longitudinal leaching crack fascia beam on north spar Hairline cracks in west fas west fascia beam ends ov 14"x7" spall on bottom with longitudinal leaching crack with 2 exposed strands an	er south pier, east fascia of h no exposed steel, east fa an 2S, beam 6W at south p all with exposed resteel and 3S. Vegetation growth bet cia beam ends over north p er south pier, east fascia of vith no exposed steel. Sout and 1'x0.5' spall with 1 str Vegetation growth betwe cia beam ends over north p er south pier, east fascia of n no exposed steel. South and 1'x0.5' spall with stee	bier. Post tension pocket grout spalled in ver north pier. Span 3S, beam 6W has a scia has hairline leaching cracks on bier has a 1sft delamination. Span 1S, d 2 exposed strands. County patched tween beam ends at piers. (09/15) bier. Post tension pocket grout spalled in ver north pier. North span, beam 6W has th span, beam 1W at pier, hairline and exposed. County patched east been beam ends at piers. (09/13) bier. Post tension pocket grout spalled in ver north pier. North span, beam 6 has a span, beam 1W at pier, hairline I. North span, east fascia, 3'x0.5' spall idspan. On 10/11/11, County patched (09/11)	
10. Paint (SIA-59A)	Ν	Ν	Ν	(09/15) (09/13) (09/11)			
11. Section Loss	Ν	Ν	Ν	(09/15) (09/13) (09/11)			
12. Bearings	7	7	7	Fiber paper in front of bea Fiber paper in front of bea Fiber paper in front of bea	ring pads. (09/13)		
SUBSTRUCTURE							
	00/44	00/42	00/45				
	09/11	09/13	09/15				
13. Abutments (SIA-60)	7	7	7	ASR outside bearing area North abutment has shrink ASR outside bearing area North abutment has shrink	, both east and west sides. age/ASR cracks outside of both east and west sides.	f bearing area. South abutment has (09/13) f bearing area. South abutment has	
14. Piers (SIA-60)	5	5	5	areas is creating rust. Crac on N pier has a 1/16" verti spall (2 sft) on hammerhea Hammerhead piers. Both areas is creating rust. Crac on N pier has a 1/16" verti spall (2 sft) on hammerhea Hammerhead piers. Both areas is creating rust. Crac	cks are hairline. Ends of pie cal crack at each end with ad south face of north pier. piers have shrinkage/ASR cks are hairline. Ends of pie cal crack at each end with ad south face of north pier. piers have shrinkage/ASR cks are hairline. Eastend of	cracks throughout. Shallow steel in er caps have vegetation growing. Stem some spalling around cracks. Incipient	
15. Slope Protection	5	5	5	Erosion on north slope at a Estimate 5% of riprap miss Erosion on north slope at a	west fascia. (09/15) sing at south abutment and west fascia. (09/13) sing at south abutment and	10% missing at north abutment. 10% missing at north abutment. 10% missing at north abutment.	
APPROACH							
	00/44	00/4 2	00/15				

09/11 09/13 09/15

STR 6992				BRIDGE SAFETY IN	SPECTION REPORT	
Facility MAGRUDDER ROAD Feature PINE RIVER Location 0.2 MI S OF PINE RIV Region / County Bay(4) / Midland(56)	ÆR RD		43.49 Leng 179.7 Built 1982 Mate 5 Pre	ude / Longitude 028 / -84.5087 th / Width 79 / 34.12 / Recon. / Paint / Ovly. / / / rial / Design estressed Concrete / 05 be Box Beam	MDOT Structure ID 56307H00012B020 Owner County: Midland(56) TSC Mt. Pleasant(4A) Last NBI Inspection 09/14/2015 / 96N5	Structure Condition Fair Condition(5)Image: Condition (5)Operational Status A Open, no restriction(A) Scour Evaluation 5 Stable w/in footing
16. Approach Pavement	6	6	5	Chip seal has alligator c	atching/wedging at ref lines, a racking/patching at ref lines. (racking/patching at ref lines (alligator cracks along centerline. (09/1 (09/13) 09/11)
17. Approach Shoulders Sidewalks	6	6	6	Grass shoulders. (09/15 Grass shoulders. (09/13) Grass shoulders (09/11))	
18. Approach Slopes				Vegetated slopes. (09/1 Vegetated slopes. (09/1 Vegetated slopes (09/11	3)	
19. Utilities				None noted on bridge. (0	09/15)	
				None noted on bridge. ((None noted on bridge (0	09/13)	
20. Channel (SIA-61)	7	7	7	None noted on bridge. ((None noted on bridge (0) Wide channel with heav upstream end. (09/15) Wide channel with heav upstream end. (09/13)	09/13) 9/11) y trees and vegetation on bar	nks. Fallen tree against Pier 2s wall o nks. Fallen tree against Pier 2s wall o nks. (09/11)
20. Channel (SIA-61) 21. Drainage	7	7	7	None noted on bridge. ((None noted on bridge (0) Wide channel with heav upstream end. (09/15) Wide channel with heav upstream end. (09/13)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar	nks. Fallen tree against Pier 2s wall o
20. Channel (SIA-61) 21. Drainage Culverts	7	7	7	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar	nks. Fallen tree against Pier 2s wall o
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS	7	7	7	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar	nks. Fallen tree against Pier 2s wall o
20. Channel	7	7	7 <u>Rati</u>	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar	nks. Fallen tree against Pier 2s wall o
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail	7	7		None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items	nks. Fallen tree against Pier 2s wall on
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail Item 36A. Bridge Railings	7	7	Ratii	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u>	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u>
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail Item 36A. Bridge Railings 36B. Transitions 36C. Approach Guard	drail		Ratii 0	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail <u>Item</u> 36A. Bridge Railings 36B. Transitions	drail		Ratii 0 0	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail Item 36A. Bridge Railings 36B. Transitions 36C. Approach Guard	drail drail End	ds	<u>Ratin</u> 0 1 1	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support High Load Hit (M) Special Insp. Equipment	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8 0 No Temporary Supports No 2
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail Item 36A. Bridge Railings 36B. Transitions 36C. Approach Guard 36D. Approach Guard	drail drail End er) Rem	ds oved t	<u>Ratii</u> 0 1 1	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/15) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support High Load Hit (M) Special Insp. Equipment Underwater Insp. Method	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8 0 No Temporary Supports No 2
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail <u>Item</u> 36A. Bridge Railings 36B. Transitions 36C. Approach Guard 36D. Approach Guard	drail drail End er) Rem	ds oved t	<u>Ratii</u> 0 1 1	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/13) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support High Load Hit (M) Special Insp. Equipment Underwater Insp. Method	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8 0 No Temporary Supports No 2
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail <u>Item</u> 36A. Bridge Railings 36B. Transitions 36C. Approach Guard 36D. Approach Guard	drail drail End er) Rem	ds oved t	<u>Ratin</u> 0 1 1 to Con	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/13) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support High Load Hit (M) Special Insp. Equipment Underwater Insp. Method	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8 0 No Temporary Supports No 2
20. Channel (SIA-61) 21. Drainage Culverts MISCELLANEOUS Guard Rail <u>Item</u> 36A. Bridge Railings 36B. Transitions 36C. Approach Guard 36D. Approach Guard False Decking (Timbe Critical Feature Ins	drail drail End er) Rem	ds oved t	<u>Ratin</u> 0 1 1 to Con	None noted on bridge. ((None noted on bridge (0) Wide channel with heavy upstream end. (09/13) Wide channel with heavy upstream end. (09/13) Wide channel with heavy (09/15) None noted. (09/13) (09/11)	09/13) 9/11) y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar y trees and vegetation on bar Other Items <u>Item</u> 71. Water Adequacy 72. Approach Alignment Temporary Support High Load Hit (M) Special Insp. Equipment Underwater Insp. Method	nks. Fallen tree against Pier 2s wall on nks. (09/11) <u>Rating</u> 8 8 0 No Temporary Supports No 2

	N	MICHIGAN DEPARTMENT	JF TRANSPORTAT	ION	
STR 6992	;	STRUCTURE INVENTOR	RY AND APPRAIS	AL	
Facility	Latitu	ude / Longitude	MDOT Structure I	D Structure Condition	
MAGRUDDER ROAD	43.49	928 / -84.5087	56307H00012B020	Fair Condition(5)	
Feature	Leng	th / Width	Owner		
PINE RIVER	-	/9 / 34.12	County: Midland(56	5)	
Location		/ Recon. / Paint / Ovly.	TSC	Operational Status	
0.2 MI S OF PINE RIVER RI		-	Mt. Pleasant(4A)	A Open, no restriction(/	^)
				• • •	٦)
Region / County		rial / Design	Last NBI Inspectio		
Bay(4) / Midland(56)		stressed Concrete / 05 ble Box Beam	09/14/2015 / 96N	5 5 Stable w/in footing	
Bridge History, Type,	Materials	Route Carried By Stru	cture(ON Record)	Route Under Structure (UN	DER Record)
27 - Year Built	1982	5A - Record Type	1	5A - Record Type	
106 - Year Reconstructed		5B - Route Signing	4	5B - Route Signing	
202 - Year Painted		5C - Level of Service	0	5C - Level of Service	
203 - Year Overlay	5 05	5D - Route Number	00000	5D - Route Number	
43 - Main Span Bridge Type	5 05	5E - Direction Suffix	0	5E - Direction Suffix	
44 - Appr Span Bridge Type	0	10L - Best 3m Unclr-Lt	0 0 99 99	10L - Best 3m Unclr-Lt	
77 - Steel Type 78 - Paint Type	0	10R - Best 3m Unclr-Rt PR Number	99 99	10R - Best 3m Unclr-Rt PR Number	
79 - Rail Type	6	Control Section		Control Section	
80 - Post Type	0	11 - Mile Point	0	11 - Mile Point	
107 - Deck Type	2	12 - Base Highway Network		12 - Base Highway Network	
108A - Wearing Surface	6	13 - LRS Route-Subroute	0000008899 01	13 - LRS Route-Subroute	
108B - Membrane	1	19 - Detour Length	3	19 - Detour Length	
108C - Deck Protection	1	20 - Toll Facility	3	20 - Toll Facility	
Structure Dimens	sions	26 - Functional Class	09	26 - Functional Class	
34 - Skew	20	28A - Lanes On	2	28B - Lanes Under	
35 - Struct Flared	0	29 - ADT	530	29 - ADT	
45 - Num Main Spans	3	30 - Year of ADT	1999	30 - Year of ADT	-
46 - Num Apprs Spans	0	32 - Appr Roadway Width	<u>32.15</u> 4 31.99	42B - Service Type Under	5
48 - Max Span Length	59.7	32A/B - Ap Pvt Type/Width 42A - Service Type On	1	47L - Left Horizontal Clear 47R - Right Horizontal Clear	
49 - Structure Length	179.8	47L - Left Horizontal Clear	0.0	54A - Left Feature	
50A - Width Left Curb/SW	0	47R - Right Horizontal Clea		54B - Left Underclearance	99 99
50B - Width Right Curb/SW	0	53 - Min Vert Clr Ov Deck	99 99	54C - Right Feature	
33 - Median	0	100 - STRAHNET	0	54D - Right Clearance	99 99
51 - Width Curb to Curb 52 - Width Out to Out	32.15 34.12	102 - Traffic Direct	2	Under Clearance Year	
112 - NBIS Length	Y	109 - Truck %	5	55A - Reference Feature	N
-		110 - Truck Network	0	55B - Right Horiz Clearance	327.8
Inspection Dat		114 - Future ADT	788	56 - Left Horiz Clearance	0
90 - Inspection Date	09/14/2015	115 - Year Future ADT	2019	100 - STRAHNET	
91 - Inspection Freq 92A - Frac Crit Reg/Freq	24 N	Freeway		102 - Traffic Direct 109 - Truck %	
93A - Frac Crit Insp Date		Structure Ap		110 - Truck Network	
92B - Und Water Reg/Freg	N	36A - Bridge Railing	0	114 - Future ADT	
93B - Und Water Insp Date		36B - Rail Transition	0	115 - Year Future ADT	
92C - Oth Spec Insp Reg/Freg	N	36C - Approach Rail	1	Freeway	
93C - Oth Spec Insp Date		36D - Rail Termination 67 - Structure Evaluation	5	Proposed Improve	ments
92D - Fatigue Req/Freq	N	68 - Deck Geometry	6	75 - Type of Work	
93D - Fatigue Insp Date		69 - Underclearance	N	76 - Length of Improvement	I
176A - Und Water Insp Method	1	71 - Waterway Adequacy	8	94 - Bridge Cost	
58 - Deck Rating	6	72 - Approach Alignment	8	95 - Roadway Cost	
58A/B - Deck Surface/Bottom 59 - Superstructure Rating	4 N 6	103 - Temporary Structure		96 - Total Cost	
59A - Paint Rating	N	113 - Scour Criticality	5	97 - Year of Cost Estimate	
60 - Substructure Rating	5	Miscellan	eous	Load Rating and P	osting
61 - Channel Rating	7	37 - Historical Significance	5	31 - Design Load	6
62 - Culvert Rating	N	98A - Border Bridge State		41 - Open, Posted, Closed	A
Navigation Da		98B - Border Bridge %		63 - Fed Oper Rtg Method	1
38 - Navigation Control	0	101 - Parallel Structure	Ν	64F - Fed Oper Rtg Load	55.9
39 - Vertical Clearance	0	EPA ID		64MA - Mich Oper Rtg Method	
40 - Horizontal Clearance	0	Stay in Place Forms		64MB - Mich Oper Rtg	80
111 - Pier Protection		143 - Pin & Hanger Code		64MC - Mich Oper Truck	
116 - Lift Brdg Vert Clear		148 - No. of Pin & Hangers		65 - Inv Rtg Method	1
-				66 - Inventory Load	33.5

5

70 - Posting 141 - Posted Loading 193 - Overload Class

STR 6992	WORK RECOM			
Facility	Latitude / Longitude	MDOT Structure ID	Structure Condition	
MAGRUDDER ROAD	43.4928 / -84.5087	56307H00012B020	Fair Condition(5)	
Feature	Length / Width	Owner		
PINE RIVER	179.79 / 34.12	County: Midland(56)		
Location	Built / Recon. / Paint / Ovly.	TSC	Operational Status	
0.2 MI S OF PINE RIVER RD	1982 / / /	Mt. Pleasant(4A)	A Open, no restriction(A)	
Region / County	Material / Design	Last NBI Inspection	Scour Evaluation	
Bay(4) / Midland(56)	5 Prestressed Concrete / 05 Multiple Box Beam	09/14/2015 / 96N5	5 Stable w/in footing	

WORK RECOMMENDATIONS

Inspector Name	Agency / Company Name	Insp. Freq.	Insp. Date
Eric Rickert	Great Lakes Engineering Group	24	09/14/2015
RECOMMENDATIONS & ACTION	I ITEMS		
Recommendation Type	Priority	Description	
Detailed Insp.	Μ	Investigate cause of cracking in piers.	
Slope Repair	Μ	Fill abutment erosion.	
Joint Repair	н	Blow out joints yearly. Replace all joints	
Overlay	Μ	Mill HMA and place membrane	e with new HMA.
Super Repair	Н	Patch box beams	
Substr Repair	н	Clean off tops of piers.	

96N5





Road and bridge section facing north

Cracking throughout HMA surface





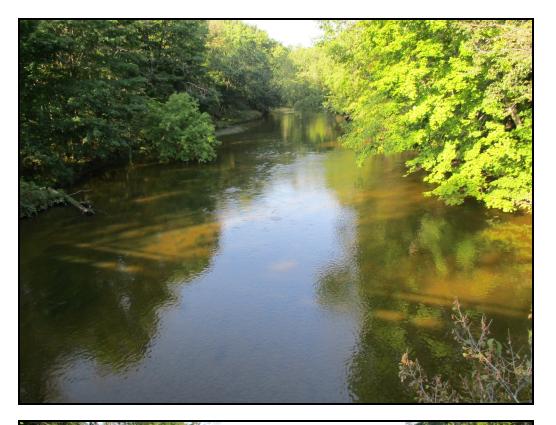


Bridge railing

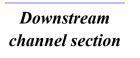
Expansion joint







Upstream channel section









Loose tube on east rail



South abutment





South pier

Bottom of box beams







Leakage along grout joint

Span 1S, beam 1W, spall on bottom at pier







Hairline cracking throughout pier



Center span box beams





Delamination on bottom of beam 6W, span 2S

Spalled grout in post tension pockets on west fascia







Debris stuck on north pier



Map cracks in north pier





Leakage in grout joints at pier



Patched area on east fascia beam, span 3S



Leaching crack on east fascia beam, span 3S



West elevation of bridge

