Bridge Orlown Name FMCMURRAY	Bridge Culvert Inspection													
Bridge or Town Name Located Over WATERCOURSE, WATERCRS-NI Inspector Class BR CLS A	Bridge File Number	82285 -1	Bridge Culver	rt	Ĭ		Form Type			CUL1				
Located Over	Year Built	2000					Lot No.			4				
Located Over	Bridge or Town Name	FT MCMU	JRRAY				Inspect	or Name		Wade Nanning	ja			
Navigabil. Cl./Year Navigabil. Cl./Year				TERCRS	-NI									
Navigabil. Cl./Year Navigabil. Cl./Year	Located On	63:11 R1	19.364;63:11	L1 19.39	9		Assista	nt Name						
Navigabil. Cl./Year	Water Body Cl./Year		·				Assistant Class							
Legal Land Location NW SEC 6 TWP 90 RGE 9 W4M Data Entry By Theresa Lacusta										15-Nov-2011				
Longitude, Latitude		NW SEC	6 TWP 90 RC	SE 9 W4N	/		· ·							
Review Name										23-Nov-2011				
Contract Main. Area CMA07				(AIT)				•						
Clear Roadway/Skew 28.3 / 11 deg. (RHF) Dept. Reviewer Name Brent Herrick				,										
AADT/Year		28.3 / 11	dea. (RHF)							Brent Herrick				
Road Classification														
Detour Length (km)														
Bridge Culvert Information														
Number of Culverts		1 -												
Pipe # Barrel Span Rise (or Dia.) Type Length Corr. Profile Thickness Thickness Thickness Special Features														
Utility Attachments	Pipe # Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
Utilities (Located at) Utility Attachments Telephone Power 7 wire East row Others Remarks Approach Road / Embankment Utilities (Located at) Utilities (Located at) Utilities (Located at) Utilities (Located at) Unstream End Utilities (Located at) University Upstream End	1 MAIN	-		2200		MP		82		125X26	2.8	ROUND		
Utilities (Located at) Utility Attachments Telephone Power 7 wire East row Others Remarks Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (_:1) (Height of Cover(m): 0.8) Guardrail (Y/N) No Utilities (Located at) Municipal Municipal Problem (Y/N) No Explanation of Condition Top of vertical curve. 2 @ 12.4m. Few gullies on D/S embankment. Sideslope (_:1) (Height of Cover(m): 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition	Special Features													
Utilities (Located at) Utility Attachments Telephone Power 7 wire East row Others Remarks Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment 9 9 Vertical Alignment 8 8 8 Top of vertical curve. Roadway Width (m) 24.800 2 @ 12.4m. Embankment 5 4 Few gullies on D/S embankment. Sideslope (:1) 6.0 (Height of Cover(m): 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition		ment												
Telephone	·													
Telephone					Uti	lities (L	ocated	at)						
Power 7 wire East row Municipal Problem (Y/N) No									1					
Problem (Y/N) No	·													
Remarks Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment 9 9 Vertical Alignment 8 8 Top of vertical curve. Roadway Width (m) 24.800 2 @ 12.4m. Embankment 5 4 Few gullies on D/S embankment. Sideslope (_:1) 6.0 (Height of Cover(m) : 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition														
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Horizontal Alignment Vertical Alignment Vertical Alignment Roadway Width (m) 24.800 24.800 2 @ 12.4m. Embankment Sideslope (_:1) (Height of Cover(m) : 0.8) Guardrail (Y/N) Approach Road / Embankment General Rating Vertical Last Now Explanation of Condition Explanation of Condition Top of vertical curve. 2 @ 12.4m. Few gullies on D/S embankment. Few gullies on D/S embankment. Upstream End Culvert Component														
Horizontal Alignment Vertical Alignment 8 8 Top of vertical curve. Roadway Width (m) 24.800 2 @ 12.4m. Embankment 5 4 Few gullies on D/S embankment. Sideslope (_:1) 6.0 (Height of Cover(m): 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition	A													
Vertical Alignment Roadway Width (m) 24.800 2 @ 12.4m. Embankment 5 4 Few gullies on D/S embankment. Sideslope (_:1) (Height of Cover(m): 0.8) Guardrail (Y/N) Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition	Horizontal Alignment					Explanation of Condition								
Roadway Width (m) 24.800 2 @ 12.4m. Embankment 5 4 Few gullies on D/S embankment. Sideslope (:1) (Height of Cover(m) : 0.8) Guardrail (Y/N) Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition					_									
Embankment 5 4 Few gullies on D/S embankment. Sideslope (:1) 6.0 (Height of Cover(m) : 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition			8	8	·									
Sideslope (:1) 6.0 (Height of Cover(m) : 0.8) Guardrail (Y/N) No Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition	Roadway Width (m) 24.800													
(Height of Cover(m) : 0.8) Guardrail (Y/N) Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition	Embankment			5	4	Few gu	Few gullies on D/S embankment.							
Guardrail (Y/N) Approach Road / Embankment General Rating 8 Upstream End Culvert Component Last Now Explanation of Condition	Sideslope (:1)													
Approach Road / Embankment General Rating 8 8 Upstream End Culvert Component Last Now Explanation of Condition	(Height of Cover(m)	: 0.8))											
Culvert Component Last Now Explanation of Condition	Guardrail (Y/N)	ardrail (Y/N) No												
Culvert Component Last Now Explanation of Condition	Approach Road / Em	bankment	General Rat	ing	8	8								
Culvert Component Last Now Explanation of Condition						Upstre	am End							
D: "	Culvert Component				Last	Now	Explan	ation of	Condi	tion				
Direction	Direction				W									
End Treatment (Concrete, Steel, Others, None)	End Treatment (Concr Others, None)	ete, Steel,	STEEL											
Headwall X X			Х	X										
Collar X X	Collar		Х	Х										
Wingwalls X X	Wingwalls				Х	Х								
(Shape:)	(Shape :)													
Cutoff Wall X X	Cutoff Wall				X	X								

Upstream End										
Culvert Company										
Culvert Component		Last N	Now 6	Explanation of Condition						
Bevel End	400	IN	0	Dented						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	50									
Scour Protection		N	4	Scouring around bevel.						
(Type: RIP RAP)										
(Avg. Rock Size(mm) : 300)		1	1							
Scour/Erosion		N	4							
Beavers (Y/N)	No									
Upstream End General Rating		7	4							
Culvart Company			Now	Ivert Barrel						
Culvert Component	tion Code: MAIN C			Explanation of Condition						
(Pipe # : 1, Primary Span, Local		Jan (mm	1):	, Rise (mm): 2200, Type: MP)						
Barrel Last Accessible Date	19-Aug-2006			Not accessible. 1/2 full with water. Viewed from ends - looks good.						
Special Features										
Special Feature										
(Type:)			1							
Special Feature										
(Type:)										
Roof		N	7							
Measured Rise (mm)	2210									
Measured At Ring No.				At centerline.						
Sag (mm)	10			<1.0%-19-Aug-2006						
Percent Sag				111070 10 7 ldg 2000						
Sidewall		N	7							
Measured Span (mm)	2180			(At centerline. 19/Aug/2006)						
Measured At Ring No.				(At centerline: 19/Aug/2006)						
Deflection (mm)				Deflection -20						
Percent Deflection	0			Deflection -20						
Floor		N	N							
Bulge (mm)	0	14	14	-						
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams	140	N.I.	N.I							
	25	N	N							
Separation (mm)	20	\ \\	V							
Longitudinal Seams		X	X	-						
Total No. of Cracked Rings										
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating		N	N	(Minor superficial on floor. 19/Aug/2006)						
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

82285 -1 Bridge Culvert

		Brio	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):	, Rise (mm): 2200, Type: MP)
Fish Passage Adequacy		4	6	(11 rows of baffles in D/S 1/2 of pipe. 2003/08/26) Blocked with ice/water.
Baffle		N	N	
(Type : WEIR)				
Waterway Adequacy		4	4	Restricted waterway, ice.
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	X	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	5	
Beavers (Y/N) No				
Downstream End General Rating		N	5	
			1	re Usage
Channel (II/S and D/S)		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

			Maintenance	Recommend	dations					
Inspector Recommendations Year Inspector Comments					Department Con	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 55.6/5	5.6	Sufficiency Rating (La (%)	st/Now)	46.9/50.2	Est. Repl. Yr	2045	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Wade Nanninga				Previous	Previous Assistant's Name					
Next Inspection Date	15-Aug-2013	I5-Aug-2013 F			revious Inspection Date 08-Mar-20					
Inspection Cycle (Default) (months)	21					'				
Comment										