Bridge Culvert Inspection														
Bridge File Number 72073 -1 Bridge Culvert				Billag	je Gurve	Form Type			CUL1					
Year Built 1963					Lot No			2						
Bridge or Town Name CASSILS							tor Name		Tom Carey					
Located Over	1101110			WATERC	RS-IC	 ;		tor Class		BR CLS A				
		EID - IRRIGATION C, WATERCRS-IC 539:04 C1 6.037				<u> </u>	Assistant Name			BIX GEG /X				
Water Body Cl./Year						Assistant Class								
Water Body Cl./Year Navigabil. Cl./Year						Inspection Date			10-Feb-2010					
Legal Land Location SW SEC 29 TWP 17 RGE 16			GE 16 W	/4M		Data Entry By			Kelsey Roberts					
Longitude, Latitude -112:10:45, 50:27:20						Data Entry Date			03-Mar-2010					
Road Authority						,				Garry Roberts				
								Review Date 23-Feb-2010						
Clear Roadway/Skew 8.5 /							Dept. Reviewer Name Lorenz Bohnert							
AADT/Year		650 / 20	08 (A)				Dept. Review Date			08-Mar-2010				
Road Classificat	tion	RCU-209-110						Follow-Up By		00 Mai 2010				
Detour Length (I		50						-1 ,						
Bridge Culvert		ation												
Number of Culve		1	1											
Pipe #	Barrel	(Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	1	1742	1920		SPE		25.5		152X51	2.8	ELLIPSE		
Special Feature	S													
Special Features Comment 2200 MP ext. @ ends- approx. 10m @ each end.														
								- 4)						
Utility Attachme	oto				Ut	ilities (L	ocated	at)						
Telephone	T .	side					Gas							
Telephone South side. Power 3-wire, N. side.						Munici								
Others	3-WIIE	, IN. SIGE.			Problem (Y/N) No									
Remarks			1 TODIC	11 (1/14)	110									
rtomanto				A	pproac	ch Road	l / Emb	ankment						
	Ap							Explanation of Condition						
Horizontal Align	Horizontal Alignment					9								
Vertical Alignme	ent				7	7								
Roadway Width (m) 8.500														
Embankment					6	6								
Sideslope (:	:1)		3.0											
(Height of Cov	er (m)	: 2.8)												
Guardrail (Y/N)														
Approach Road	d / Eml	bankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	nent				Last	st Now Explanation of Condition								
Direction			N		NORTH Extended with a 10.5m bevel section									
End Treatment (Concrete, Steel, Others, None)					Extended with a 10.5n			Devel Section						
Headwall					X	Х	2200m	m CSP c	orr. Pro	ofile 152x57, 2.8	3mm thick			
Collar					Х	X								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall			Х	X										

72073 -1 Bridge Culvert

			Upstre	eam End			
Culvert Component		Last Now		Explanation of Condition			
Bevel End		N	N	snow covered			
Heaving (mm)	0						
Invert Above/Below Stream Bed	BELOW						
Above/Below (mm)	70			_			
Scour Protection	110	N	N				
(Type:)		14	14				
(Avg. Rock Size (mm):)				_			
Scour/Erosion		N	N	anow governd			
SCOUI/E10SIOI1		IN IN	IN IN	snow covered			
Beavers (Y/N)	No						
Upstream End General Rating		8	N				
		Bri	dge Cu	lvert Barrel			
Culvert Component				Explanation of Condition			
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			· -			
Barrel Last Accessible Date	10-Feb-2010		,				
Special Features							
Special Feature							
(Type:)							
Special Feature							
(Type:)							
Roof		5	5	(Water leaching through roof seam)			
Measured Rise (mm)	1852			(Water leadining through root ocall)			
Measured At Ring No.	7			-			
Sag (mm)	68			_			
Percent Sag	3			-			
Sidewall	J	5	5				
Measured Span (mm)	1810	3	J				
Measured At Ring No.	7			-			
				_			
Deflection (mm)	68			_			
Percent Deflection	3						
Floor	1_	N	N	(Extesive corrosion scaling, pitting & perforations @ haunches)2003/06/12			
Bulge (mm)	0			_ ′			
Measured At Ring No.				Floor & corrosion rate "3" based on past comment.			
Abrasion (Y/N)	No						
Circumferential Seams		6	6				
Separation (mm)							
Longitudinal Seams		6	6	(Water coming through roof seam @ 2/3			
Total No. of Cracked Rings	0			length)			
Total No. of Rings with Two Cracked Seams	0						
Min. Remaining Steel Between Cracks (mm)	0						
Proper Lap (Y/N)	No			1			
Longitudinal Stagger (Y/N)	No						
Coating		N	N	Corrosion staining @ ring #5 to #7			
	Yes	IN	IN				
Corrosion By Soil (Y/N)				(Perforations @ haunches)- iced over			
Corrosion By Water (Y/N)	Yes						
Camber POS/ZERO/NEG	NEG						
Ponding (Y/N)	No						

72073 -1 Bridge Culvert

		Brio	lge Cul	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	<u>): 1742</u>	, Rise (mm): 1920, Type: SPE)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			3	General rating carried forward- floor rated 3 due to corrosion perfs.
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		Extended with a 10.5m bevel section
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	2200mm CSP corrogation profile
Collar		X	X	152 x 151 mm thick
Wingwalls		Х	X	
(Shape:)				
Cutoff Wall		X	Х	
Bevel End		N	8	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	N	snow covered
(Type:)				
(Avg. Rock Size (mm):)				
Scour/Erosion		N	N	snow covered
Beavers (Y/N)	No			
Downstream End General Rating			N	
		s	tructur	re Usage
		Last Now		Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	(Some cattle action)
Bank Stability			7	
HWM (m below Top of Culvert)				
Drift (Y/N)	No			
Channel Bottom AGGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

		Maintena	nce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	mments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LININ	G						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2012	(Place concrete floor) if it has	not been done				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/I) (%)	Now) 33.3/3	Sufficiency Rating (%)	(Last/Now) 55.6/49.5	Est. Repl. Yr 2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Tim Davies		Previous Assistant's Name				
Next Inspection Date	10-May-2013		Previous Inspection Date	22-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							