					Brida	e Culve	ert Inspection						
Bridge File Num	ber	77012 -1 Bridge Culvert				C Cuive	Form Type	CUL1	CUL1				
Year Built 1969							Lot No.	4					
Bridge or Town Name DERW							Inspector Name	Jason Saly					
			ANIMAL, OVEF	R SP			Inspector Class	BR CLS A	<u> </u>				
Located On 45:08 C							Assistant Name		Dit obs //				
Water Body Cl./					Assistant Class								
Navigabil. Cl./Ye							Inspection Date	21-Jan-2013	21-Jan-2013				
Legal Land Loca		SE SEC	C 15 TWP 54 R	GE 7 W4	M		Data Entry By	Marcia Chave	Marcia Chavez				
Longitude, Latitude		-110:56	:44, 53:39:32				Data Entry Date	01-Mar-2013	01-Mar-2013				
Road Authority							Reviewer Name	John O'Brien					
Contract Main.	Area	CMA15					Review Date	13-Feb-2013					
Clear Roadway/	/Skew	9.2 /					Dept. Reviewer N	Name Chris Black					
AADT/Year		580 / 20)11 (A)										
Road Classifica	tion	RAU-20					Dept. Review Da Follow-Up By		14-IVIAI-ZU IO				
Detour Length (km)	6					, , , , , , , , , , , , , , , , , , , ,						
Bridge Culvert							<u> </u>						
Number of Culv			1										
Pipe #	Barrel		Span	pan Rise (or E		Туре	Length	Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN		-	1829		MP	22.6	68X13	3.5	ROUND			
Special Feature Special Feature		ment											
Required Vert. (Posted Vertical Posted: Lane Remarks Utility Attachme Telephone Power	NB Not re	On Equired; of	No Bridge (m) Cattle crossing.	In Adv	·	,	No Lane SB cocated at) Gas Municipal	On Bridge (m)	In Advar	nce (Y/N) No			
Others	Fibre	optics No	orth r/w.				Problem (Y/N)	No					
Remarks													
				A	proac	ch Road	/ Embankment						
					Last	Now	Explanation of 0						
Horizontal Alignment					7 5	5	Near top of a cre	n East. Field approad st curve. On grade to	ch 20m NW. the East. No	passing EB. Poor			
Vertical Alignment Roadway Width (m)		9.200		J	3	sight distance to	ght distance to East.						
	(111)		9.200										
Embankment			7	N	Transverse crack in ACP previously sealed. Snow covered, but no signs of problems.								
		3.0	3.0			- Show sovered, but no signs of problems.							
(Height of Cov	/er(m) :	0.9)											
Guardrail (Y/N)		Yes				Minor creasing.							
Approach Road / Embankment General Rating				5	5								
							am End						
Culvert Component			Last	Now	Explanation of C	Condition							
Direction					N								
End Treatment (Concrete, Steel, Steel, Others, None)			I, STEEL										

			Llmotro	om End
Culvert Component			Now	Explanation of Condition
Collar			X	Explanation of Condition
Coma				
Wingwalls			X	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End			4	Damage at roof; no action required since no longer in use.
Heaving (mm)	200	6		Daniage at 1991, no action required since no longer in asc.
Invert Above/Below Stream Bed				
Above/Below (mm)	100			-
Scour Protection	100	6	N	Snow covered.
(Type : NATURAL)		0	IN	Show covered.
(Avg. Rock Size(mm) :) Scour/Erosion		6	N	Snow covered.
SCOUI/E10SIOII		0	IN	Show covered.
Beavers (Y/N)	No			
Upstream End General Rating		6	4	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa			, Rise (mm): 1829, Type: MP)
Barrel Last Accessible Date	21-Jan-2013		,-	Minor mower damage to both bevel ends.
Dairot Last / toossolbie Date	21 0011 2010			Times The West durinage to Seat Server ender.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	Mower damage to crowns @ each end of barrel.
Measured Rise (mm)				(S end 1746, 4.5%. 07Jun2011).
Measured At Ring No.				(Estimate 100mm sag. 03/03/25)
Sag (mm)	100			
Percent Sag				Estimate.
Sidewall		5	5	Span at midpipe=1902=73mm=4%Span at N end=1888=59mm
Measured Span (mm)	1902			Span at S end=1838=9mm
Measured At Ring No.				
Deflection (mm)	73			
Percent Deflection	4			
Floor		N	N	Covered with dirt.
Bulge (mm)	0			(03/03/25)
Measured At Ring No.				(00/00/20)
Abrasion (Y/N)	No			
Circumferential Seams		6	6	85 mm gap within coupler.
Separation (mm)	85			1
Longitudinal Seams		Х	X	
Total No. of Cracked Rings			- ' '	1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Longitudinal Olagger (1714)	l			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm) :	, Rise (mm): 1829, Type: MP)
Coating		5	5	Some superficial corrosion top of bevel ends and floor, minor soil
Corrosion By Soil (Y/N)	Yes			side corrosion.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		Х	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
			ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	I.	S	111011	
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		5	4	Mower damage at roof; no action required since pipe not in use.
Heaving (mm)	100			, , , , , , , , , , , , , , , , , , , ,
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection	1	6	N	Snow covered.
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	4	
		S	Structu	re Usage
			Now	Explanation of Condition
Grade Separation	'			
Road Alignment		7	7	
Roadway Surface			7	
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				

Structure Usage						
		Last	Now	Explanation of Condition		
Lighting		X	X			
Barrel Leakage (Y/N)	nrrel Leakage (Y/N) No					
Drainage		7	7			
Structure In Use (Y/N) No				Fencing gone.		
Grade Separation General Rating		7	7			

		Maintenance F	Recommendations					
Inspector Recommendations	Year	Inspector Comments	Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING								
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTO)FF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No. (%)	ow) 55.6/55	Sufficiency Rating (Las	/Now) 70.1/67.2	Est. Repl. Yr 2022	Maint. Re	qd. (Y/N)	No	
Special (Pipe takes no flow. Next Inspection	07Sep2006).		Department Comments					
Maintenance Reviewed By			Date		Estimated Tota	1 0		
Proposed Long-Term Strategy			, 2 370					
On 3-Year Program (Y/N)	Υ							
Proposed Action	2008.01.17 Ha Brownlee & As	ive executed Cattlepass removal forn sociates	n. replace livestock underpass v	with small drainage culver	t with Landowner	's waterline.		
Previous Inspector's Name	Jason Saly		Previous Assistant's Name					
Next Inspection Date	21-Oct-2014		Previous Inspection Date	spection Date 07-Jun-2011				
	21		· · · · · · · · · · · · · · · · · · ·	-				
Inspection Cycle (Default) (months)	Z							