						- I								
						Bridg	e Culve	ert Insp						
Bridge File Nur	nber	74598 W-2 Bridge Culvert						Form Type			CUL1			
Year Built 1992						Lot No.			3					
Bridge or Town Name MORLEY							Inspector Name		Garry Roberts					
Located Over MUNICIPAL				L				Inspector Class		BR CLS A				
Located On		1:06 L1 7	7.208						Assistant Name					
Water Body Cl./Year					Assistant Class									
Navigabil. Cl./Y	'ear					Inspection Date				11-Feb-2012				
Legal Land Loc	9 TWP 2	25 RC	SE 5 W5N	1		Data Entry By		Erin Roberts						
Longitude, Lati	40, 51:06:42					Data Entry Date		14-Mar-2012						
Road Authority Alberta Tr			Fransportation (AIT)					Reviewer Name		Tom Carey				
Contract Main. Area CMA28								Review Date		22-Feb-2012				
Clear Roadway/Skew 12.7 /								Dept. Reviewer Name						
AADT/Year		18,200 /	2010 (A)					Dept. Review Date		22-Mar-2012				
Road Classifica	ation	RAD-412						Follow	Follow-Up By					
Detour Length	(km)	1							. Onow Op by					
Bridge Culvert														
Number of Culv		1												
Pipe #	Barrel				Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	4	1900		3400		BPR		32.9				RECTANGLE	
Special Feature	es								'					
Special Feature						Ро	sting l	nformat	ion					
Required Vert.	Clearan	ce Postin	g (m)	UNI	DER: MUI	NICIPA	AL 3.2m	1						
Posted Vertical	Clearar	nce (Y/N)		Yes										
Posted: Lane	NB	On Bı	ridge (m)		In Adv	ance (	Y/N)	Yes L	ane SB	0	n Bridge (m) 3.	.3 In Advan	ce (Y/N) Yes	
Remarks	N/B po	osting is o	n E/B cu	lvert.										
						Uti	lities (L	ocated	at)					
Utility Attachme	ents													
Telephone	South	ditch						Gas						
Power	South	ROW						Munici	pal					
Others	Fibre	Optics Ca	ble-North	ditc	h			Proble	m (Y/N) m	No				
Remarks		•												
					Ar	oproac	ch Roa	d / Emb	ankment					
					•	Last	Now		Explanation of Condition					
Horizontal Aligr	nment					6	6							
Vertical Alignm						6	6							
Roadway Width			12.700											
Embankment					7	7								
Sideslope (	:1)		2.0				_							
(Height of Co	•	0.7)												
Guardrail (Y/N)		Yes					3 broken posts at SW.							
Approach Roa	d / Emb	ankmen	t Genera	l Rat	ing	6	6							
							Unstre	am End						
Culvert Comp	onent						Now		ation of C	ondi	tion			
Direction							,	North						
		CONCE	RETE											
Headwall						7	7	Diagor	al cracks					
Collar						Х	Х							

				am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		7	7	Narrow cracks with leaching
(Shape: )		1		
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		X	X	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 4900	· •
Barrel Last Accessible Date	11-Feb-2012			
Special Features				
Special Feature				Safety Hand Rail- missing 2.3 m section at SW
(Type:)		1		Joseph Maria Maria Missang Italian State Maria State Maria Mania Maria M
Special Feature				
(Type:)				
Roof		7	7	SEPARATION CRACK @ JOINT EXTENDS INTO SIDEWALLS
Measured Rise (mm)	3400			CHAMFER @ midspan
Measured At Ring No.	0.100			Hairline map cracking in various locations.
Sag (mm)	0			Minor high load scrapes.
Percent Sag				
Sidewall		7	7	Vertical cracking to 0.5 mm with some
Measured Span (mm)	4900	,		seepage causing efflorescence every est 1.5 m (may correspond to
Measured At Ring No.	1000			old H. steel piles). Sidewall has 6 form ties leaching through. @ West sidewall
Deflection (mm)	0			3 3
Percent Deflection				
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	@ median joint
Separation (mm)	30			2
Longitudinal Seams		Х	Х	
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	1	6	6	Barrel walls coated with pigmented sealer - gray
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No		Page	

Bridge Inspection & Maintenance System (Web 2005)

		Bric	lge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 4900	, Rise (mm): 3400, Type: BPR)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy	I	Х	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction				South
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	Diagonal cracks
Collar		Х	Х	
Wingwalls		7	7	Diagonal cracking. Common wall with 74598E
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		X	X	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	Х	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				e Usage
O		Last	Now	Explanation of Condition
Grade Separation				4.0 m sleep vanderen. Timteranstien
Road Alignment		5	5	4.9 m clear roadway, T intersection at North end.
Roadway Surface		5	5	Gravel approahes
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре				
Lighting		Х	Х	
Barrel Leakage (Y/N)	No			

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage			7						
Structure In Use (Y/N) Yes									
Grade Separation General Rating			5						

74598 W-2 Bridge Culvert

		Maintenanc	e Recommendations						
Inspector Recommendations	Year	Inspector Comments	Departme	nt Comme	nts		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	2012	Replace missing handrail sectio 2.3m	n 40mm I.D. x						
OTHER ACTION	2012	Replace 3 approach rail posts.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No.(%)	ow) 77.8/77	7.8 Sufficiency Rating (L	ast/Now) 75.5/75.5	E	st. Repl. Yr	2048	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Departme Comment	nt s					
Maintenance Reviewed By			Date			E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous Assistant's	Name					
Next Inspection Date	11-Nov-2013		Previous Inspection	Date	15-Sep-2010				
Inspection Cycle (Default) (months)	21				•				
Comment									