Bridge Culvert Inspection														
Bridge File Number 02355 -1 Bridge Culvert						e elenvi	Form T			CUL1				
Year Built/Line							Lot No	71		4				
Bridge or Towr			<u></u>				Inspector Name		Owen Salava					
Located Over	- Hamo		REEK, 5.16, W		RS-ST		<u> </u>	tor Class		BR CLS A				
Located On		26:12 C1					Assistant Name							
Water Body Cl.	/Year	20.12 01	20.202					ant Class						
Navigabil. Cl./Y							Inspection Date		06-Nov-2012					
Legal Land Loc		SW SEC	6 TWP 47 RGE 13 W4M				Data Entry By		Marcia Chavez					
Longitude, Lati			0, 53:01:01					Data Entry Date		20-Nov-2012				
Road Authority			ransportation (AIT)				Reviewer Name		John O'Brien					
Contract Main.		CMA16					Review Date		14-Nov-2012					
Clear Roadway								Andrew Smikles						
Clear Roadway/Skew 9.6 / AADT/Year 1,270 / 20			011 (A)				Dept. Reviewer Name		26-Nov-2012					
Road Classification RAU-209						Follow-Up By		26-1100-2012						
Detour Length		6	-110						и ор бу					
Bridge Culver	. ,									I				
Number of Culver		1												
Pipe #	Barrel		pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
2	MAIN F	ULL 2	314	2552		MPE		42.1		125X26	2.8	ELLIPSE		
Special Feature	es			1		1		1		1				
Special Feature		ment B	evel ends fro	m 2610m	m SPC	SP rem	nain							
opeoidi i eatai														
					Uti	ilities (L	_ocated	at)						
Utility Attachme	ents													
Telephone							Gas							
Power							Munici	pal						
Others							Proble	m (Y/N)	No					
Remarks														
				A	pproa			ankment						
							Explanation of Condition							
Horizontal Alignment					7	7	Correction line "T" intersection. Grade increase to East, limited sight distance.							
Vertical Alignment				7	7	uistant								
Roadway Widtl	h (m)		9.600											
Embankment					5	5	Small erosion gully in N embankment over pipe.							
Sideslope (_:1)		3.0											
(Height of Co	ver(m) :	2.6)												
Guardrail (Y/N))		No											
Approach Roa	ad / Emb	bankment	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Comp	onent				Last			ation of (Condi	tion				
Direction					N									
End Treatment	(Concre	ete, Steel,	CONCRETE											
Others, None) Headwall					X	X								
Collar					X	X								
Wingwalls					X	X								
(Shape :)						~								
Cutoff Wall					7	7	Top 1/3 visible.							
								-						

Alberta Transportation

			<u>Upstre</u>	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		6	6	Bevel projects from fill 400mm. Potential for piping over time if riprap				
Heaving (mm)	0			is insufficient (photo).				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		8	7	Geotextile fabric not keyed in ground.				
(Type : RIP RAP)		1						
(Avg. Rock Size(mm) : 400)								
Scour/Erosion		8	7					
Beavers (Y/N)	No		-					
Upstream End General Rating		6	6					
		Brid	dae Cu	Ivert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 2, Primary Span, Loca	tion Code: MAIN, Spa	-		· •				
Barrel Last Accessible Date	06-Nov-2012			MP liner.				
Special Features								
Special Feature				-				
(Type :)				-				
Special Feature				-				
(Туре:)		,						
Roof		6	6	Egg shape with a crease along roof from over pressure from				
Measured Rise (mm)				grouting. Roof distortion @ 12:00 leaving on upward crease. Unable to measure due to ice.				
Measured At Ring No.								
Sag (mm)	0			-				
Percent Sag								
Sidewall		6	6	Span U/S 2292, D/S 2275.				
Measured Span (mm)	2247							
Measured At Ring No.	2			@ mid span close to 2nd ring.				
Deflection (mm)	67			2.9% inwards.				
Percent Deflection	3							
Floor		7	N	Left over concrete placed on floor at				
Bulge (mm)	0			both ends.				
Measured At Ring No.								
Abrasion (Y/N)	No			1				
Circumferential Seams		7	7					
Separation (mm)	20							
Longitudinal Seams		Х	Х					
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)								
Coating		8	8					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	No							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel											
Culvert Component		Last		Explanation of Condition							
(Pipe # : 2, Primary Span, Locat	tion Code: MAIN, Spa	an (mm	ı): 2314	, Rise (mm): 2552, Type: MPE)							
Fish Passage Adequacy		7	7								
Baffle		Х	Х								
(Туре :)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		6	6								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		S									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		X	X								
Collar			Х								
Wingwalls		Х	Х								
(Shape :)											
Cutoff Wall		X	Х								
Bevel End			7	Bevel projects from fill 300mm. Potential for piping over time if							
Heaving (mm)	100			insufficient riprap; similar to N end.							
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm) 200											
Scour Protection			7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 400)											
Scour/Erosion		8	7								
Beavers (Y/N)	No										
Downstream End General Ratir	ng	7	7								
		S	Structu	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		7	7								
Bank Stability			6	Channel to D/S has scoured but edges have become well vegetated. Earth borrow dugout connected to channel to NE serves to pond water. Est area to be 750 sq/m. Also small borrow dugout to SW.							
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) No				<u> </u>							
Channel Bottom Degrading/Aggrading				Unknown.							
Beavers (Y/N)	No										
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :											
Channel General Rating		7	7								

Maintenance 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/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No	ow)	66.7/66.7 Sufficiency Rating (La (%)		ow) 6	69.4/69.4 Est. Repl. Yr 2044		2044	Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection	side barr	el at both ends, add/repair as necessa	ry.	Department Comments							
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy							· ·				
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave La	am		Assistant's Name							
)6-Aug-2014			nspection Date						
Inspection Cycle (Default) (months) 21											
Comment											