	Bridge Culvert Inspection											
Bridge File Nur	nber	76901 ·	1 Bridge Culv	ert	Form Type		уре	CUL1				
Year Built		1983			Lot No.			4				
Bridge or Town	Name	CROSS	SFIELD		Inspector		tor Name	Owen Salava				
Located Over	r TRAIL-ANIMAL, OVER SP						tor Class	BR CLS A				
Located On		2A:12 (C1 1.926				Int Name					
Water Body Cl.	Vater Body CI./Year						int Class					
Navigabil. Cl./Y	abil. Cl./Year						tion Date	26-Oct-2011				
Legal Land Loc	ation	SE SEG	C 23 TWP 29 I	RGE 1 W5M	M		ntry By	Marcia Chavez				
Longitude, Lati	tude	-114:01	:40, 51:29:29				ntry Date	30-Nov-2011				
Road Authority	hority Alberta Transportation (AIT)						/er Name	John O'Brien				
Contract Main.	ract Main. Area CMA29				R		/ Date	14-Nov-2011				
Clear Roadway	/Skew	11.6/0	deg.		Dept. Reviewer Name		Andrew Smikle	es				
AADT/Year		4,290 /	2010 (A)			Dept. Review Date		02-Dec-2011				
Road Classifica	ation	RAU-2	10-110			Follow	-Uр Ву					
Detour Length	(km)	3										
Bridge Culver	Informa	ation										
Number of Culv	/erts		1					1				
Pipe #	Barrel		Span	Rise (or Dia.) Type		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2200	MP		26	125X26	2.8,2.8,2.8	ROUND		
Special Feature	es											
Special Feature	es Comm	nent										
Deguired Vort	Clearan	an Dant			Posting I	monnau	ION					
Required Vertical	Clearan											
Posted Vertical			I) Dridge (m)			No		n Bridge (m)				
Pomorko	Not rov		Bhuge (III)					IT BHUYE (III)	III Auvano			
Remarks	Notret	quireu.			Hilitiaa (Remarks Not required.						
Litility Attachme	onte	Utilities (Located at)										
Telephone	Utility Attachments				Junities (1	Located	at)					
Тегерноне	West r	/\\			Junues (1	Gas	at)					
Power	West r	/w.			Junues (Gas	at)					
Power	West r	/w.				Gas Munici	at) pal					
Power Others Remarks	West r	/w.				Gas Munici Proble	at) pal m (Y/N) No					
Power Others Remarks	West r	/w.		Appre	ach Roa	Gas Munici Proble	at) Dal m (Y/N) No					
Power Others Remarks	West n	/w.		Appro	ach Roa	Gas Munici Proble	at) Dal m (Y/N) No ankment pation of Condit	tion				
Power Others Remarks Horizontal Align	West r,	/w.		Appro Las	pach Roa	Gas Munici Proble d / Emba Explar Curves	at) Dal m (Y/N) No ankment nation of Conditions North and Sout	tion	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm	West r,	/w.		Appro Las	ach Roa st Now 7 8	Gas Munici Probler d / Emba Explar Curves South	at) Dal m (Y/N) No ankment hation of Condition is North and Souto of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width	West r,	/w.	11.600	Appro Las	ach Roa st Now 7 8	Gas Munici Probler d / Emba Explar Curves South	at) pal m (Y/N) No ankment ation of Condit North and Sout of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment	West r,	/w	11.600	Appro Las 7 8	pach Roa t Now 7 8 8	Gas Munici Probler d / Embe Explar Curves South o	at) Dal m (Y/N) No ankment mation of Condin is North and Sout of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r,	/w.	11.600	Appro Las 7 8	pach Roa st Now 7 8 8	Gas Munici Probler d / Emba Explar Curves South	at) Dal m (Y/N) No ankment hation of Condition is North and Sout of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r,	/w.	4.0	Appro Las 7 8 7 7 8	ach Roa ti Now 7 8 8 8	Gas Munici Probler d / Emba Explar Curves South	at) pal m (Y/N) No ankment ation of Condir North and Sout of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, mment ent n (m) _:1) ver(m) :	/w. 0.8)	11.600 4.0	Appro Las 7 8 7	ach Roa st Now 7 8 8 7 7	Gas Munici Probler Curves South of Holes a	at) pal m (Y/N) No ankment mation of Condit ation of Condit North and Sout of culvert.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, mment ent n (m) _:1) ver(m) :	/w. 0.8)	11.600 4.0 Yes	Appro Las 7 8 7 8	ach Roa st Now 7 8 8 7 7	Gas Munici Probler Curves South Holes a SW co	at) pal m (Y/N) No ankment mation of Condir North and Sout of culvert. at edge of paver rner.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, west r, ment ent (m) .:1) ver(m) : ment wer(m) :	/w. 0.8)	11.600 4.0 Yes nt General Ra	Appro Las 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	ach Roa st Now 7 8 8 7 7 7	Gas Munici Probler d / Embr Explar Curves South South Holes a SW co	at) bal m (Y/N) No ankment mation of Condir ation of Condir North and Sout of culvert. at edge of paver mer.	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r,	/w. 0.8)	4.0 Yes nt General Ra	Appro Las 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	vach Roa st Now 7 8 8 7 7 7 7 7 7	Gas Munici Probler d / Emba Explar Curves South South Holes a SW co	at) pal m (Y/N) No ankment ation of Condit ation of	tion th. 14mm transv	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, west r, west r, west r, west r, ment ent (m) west r, west	/w. 0.8)	4.0 Yes nt General Ra	Appro Las 7 8 7 8 7 8 7 8 7 8 7 8 7 8 8 7 8 8 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	rach Roa st Now 7 8 8 7 7 8 7 7 7 7 7 7 7 7 1 9 7	Gas Munici Probler Curves South Holes a SW co	at) pal m (Y/N) No ankment ation of Condit North and Sout of culvert. at edge of paver rner. at edge of paver rner.	tion th. 14mm transv nent from previo	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, west r, ment ent (m) :1) ver(m) : ad / Emb	/w. 0.8)	4.0 Yes nt General Ra	Appro Las 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	vach Roa st Now 7 8 7 8 7 7 7 7 7 7 7 7 7 7 7 0 Upstre st Now	Gas Munici Probler d / Embr Explar Curves South South Holes a SW co	at) pal m (Y/N) No ankment mation of Condit North and Sout of culvert. at edge of paver mer.	tion th. 14mm transv nent from previo	verse crack full	width, 5m		
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (West r, west r, ment ent (Concre	/w. 0.8)	4.0 4.0 Yes nt General Ra	Appro Las 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	vach Roa st Now 7 8 7 8 7 7 7 7 7 7 7 7 1 9 7	Gas Munici Probles Explar Curves South Holes a SW co	at) pal m (Y/N) No ankment ation of Condit North and Sout of culvert. at edge of paver rner.	tion th. 14mm transv nent from previo	verse crack full	width, 5m		

Alberta Transportation

	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Collar		X	X						
Wingwalls		Х	X						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		Х	Х						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			4 x 8 plywood sheet in entrance.					
Above/Below (mm)	75								
Scour Protection		N	7						
(Type : NATURAL)				_					
(Avg. Rock Size(mm) :)									
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 2200, Type: MP)					
Barrel Last Accessible Date	26-Oct-2011								
Special Features									
Special Feature									
(Type :)				_					
Special Feature									
(Туре :)									
Roof		5	5	Est roof 2180, 0.9% roof. Local 200mm distortion @ last ring @ roof					
Measured Rise (mm)				D/S from construction.					
Measured At Ring No.				_					
Sag (mm)	20			_					
Percent Sag									
Sidewall		7	7						
Measured Span (mm)	2180								
Measured At Ring No.	3								
Deflection (mm)	20								
Percent Deflection	1								
Floor		N	N	100mm silt cover.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	7	At ring 5-6.					
Separation (mm)	55								
Longitudinal Seams		X	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)									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

76901 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2200, Type: MP)					
Coating		4	4	Moderate corrosion with pitting, some scaling in haunch.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N) Yes									
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								
Fish Passage Adequacy			X						
Baffle			X						
(Туре :)		1							
Waterway Adequacy	I	7	7	Takes water east to west.					
Icing (Y/N)	No			-					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		5	5						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		Х	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall		X	Х						
Bevel End		Х	Х	Stock rail across bevel.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	100								
Scour Protection	•	N	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		N	7						
Beavers (Y/N)	No		1						
Downstream End General Ratin	ng	7	7						
		s	Structu	re Usage					
		Last	Now	Explanation of Condition					
Grade Separation	1			•					
Road Alignment			8	Pasture both ends.					
Roadway Surface		7	7						
(Type : CONCRETE)				All but 2m covered in 100mm silt.					
Icing (Y/N)	No								
Traffic Safety Features		Х	X						
Туре				1					

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

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comments				Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/55.	6 Sufficiency Rating (Last/No. (%)	ow) 6	63.5/63.5	Est. Repl. Yr 2023		Maint. Red	qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy	2006.10.24 Have executed cattlepass removal form. Can place this structure on list for removal.										
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Owen S	Dwen Salava Previou			Assistant's Name						
Next Inspection Date	26-Jul-	26-Jul-2013 Pre			us Inspection Date 08-Feb-2010						
Inspection Cycle (Default) (months)	21										
Comment											