				D.:: 4	a Cultur	out Imamaatian						
Deider File Non		75404 4	Deider Order		ge Cuive	ert Inspection		OLU 4				
Bridge File Nur	nber		Bridge Culve	π		Form Type		CUL1				
Year Built		1959				Lot No.		1				
Bridge or Town	Name	DUCHES				Inspector Nam		Owen Salava				
Located Over			NIMAL, OVER	R SP	Inspector Class			BR CLS A				
Located On		36:08 C1	32.891			Assistant Nam						
Water Body Cl.						Assistant Class	s					
Navigabil. Cl./Y	/ear					Inspection Date	е	17-Jul-2012				
Legal Land Loc	cation	SE SEC	4 TWP 23 RG	E 14 W4M		Data Entry By		Marcia Chavez				
Longitude, Lati	tude	-111:53:4	46, 50:55:22			Data Entry Dat	te	02-Aug-2012				
Road Authority	,	Alberta T	ransportation	(AIT)		Reviewer Nam	ie	John O'Brien				
Contract Main.	Area	CMA23				Review Date		31-Jul-2012				
Clear Roadway	//Skew	10.1 /				Dept. Reviewe	r Name	Andrew Smikle	es			
AADT/Year		1,070 / 2	011 (A)			Dept. Review [Date	07-Aug-2012				
Road Classification RAU-213.4-120						Follow-Up By						
Detour Length (km) 40												
Bridge Culvert		ation										
Number of Culv		1										
Pipe #	Barrel	S	Span	Rise (or Dia.)	Туре	Length	1	Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	1724 1901			SPE	27.4		152X51	3.0	ROUND		
Special Feature	es											
Posted Vertical Posted: Lane Remarks	NB		ridge (m)	In Advance	(Y/N)	No Lane SI	в О	n Bridge (m)	In Advar	nce (Y/N) No		
Utility Attachme	ents			U	tilities (L	ocated at)						
Telephone East ditch.					tilities (L	ocated at)						
. Giopiione		litch.		Ü	tilities (L	Gas	Gas li	ne W ditch and	x-ing 15m S			
Power		litch.		U	tilities (L		Gas li	ne W ditch and	x-ing 15m S			
	East o	litch. Optics E F	₹/W	U	tilities (L	Gas		ne W ditch and	x-ing 15m S			
Power	East o		R/W	U	tilities (L	Gas Municipal		ne W ditch and	x-ing 15m S			
Power Others	East o		R/W			Gas Municipal Problem (Y/N)	No		x-ing 15m S			
Power Others	East o		R/W		ich Roa	Gas Municipal Problem (Y/N)	No		x-ing 15m S			
Power Others	Fibre		R/W	Approa	ıch Road	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks	Fibre		R/W	Approa Last	Ich Road	Gas Municipal Problem (Y/N) d / Embankmen Explanation o	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align	Fibre		R/W	Approa Last	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm	Fibre			Approa Last	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width	Fibre on ment ment h (m)			Approa Last 5	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment	Fibre (miniment them)	Optics E F	10.100	Approa Last 5	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre (miniment the (miniment	Optics E F	10.100	Approa Last 5	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre (main ment ment ment ment ment ment ment men	Optics E F	10.100 2.5	Approa Last	Now 5	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre (main ment ment ment ment ment ment ment men	Optics E F	10.100 2.5	Approa Last	Now 5 5 7	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down to	No No Telephone Tel	tion dge on both	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre of the fibre	Optics E F	10.100 2.5	Approa Last	Now 5 5 7	Gas Municipal Problem (Y/N) I / Embankmen Explanation o Curves down tends. No passi	No No Telegraphic in the strength of the bring. Sup	tion dge on both erelevated.	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre of the fibre	Optics E F	10.100 2.5	Approa Last 5 5 7	Now 5 5 5 T	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down teends. No pass	No No Telegraphic in the strength of the bring. Sup	tion dge on both erelevated.	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre onent East of the fibre	1.1)	10.100 2.5 No t General Rat	Approa Last 5 5 7	Now 5 5 5 T	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down teends. No pass	No No Telegraphic in the strength of the bring. Sup	tion dge on both erelevated.	x-ing 15m S			
Power Others Remarks Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (Fibre onent East of the fibre	1.1)	10.100 2.5 No t General Rat	Approa Last 5 5 7	Now 5 5 5 T	Gas Municipal Problem (Y/N) d / Embankmen Explanation o Curves down teends. No pass	No No Telegraphic in the strength of the bring. Sup	tion dge on both erelevated.	x-ing 15m S			

			Linetro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Wingwalls		X	X	Explanation of Condition
(Shape:)				
Cutoff Wall		Х	X	
Caton Wan				
Bevel End		7	7	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	6	Does not take flow.
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
Culvert Company				vert Barrel Explanation of Condition
Culvert Component (Pipe # : 1, Primary Span, Loca	tion Codo: MAIN Sna			
Barrel Last Accessible Date	17-Jul-2012	<u> </u>). 1724	
Barrer Last Accessible Date	17-Jul-2012			(Measured 1760 x 1860 near c/l. 21Sep2008).
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		3	3	R3,4 & 5 have some perforations along roof. Getting close to being
Measured Rise (mm)	1860			extensive.
Measured At Ring No.	5			
Sag (mm)	41			
Percent Sag	2			
Sidewall		3	3	R3 has some perfs in S sidewall.
Measured Span (mm)	1763			
Measured At Ring No.	4			
Deflection (mm)	39			
Percent Deflection	2			
Floor		N	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	I	6	6	
Separation (mm)	0			
Longitudinal Seams		6	6	2% of bolts appear not torqued.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)]] 1N.
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		3	3	Minor superficial rust @ bolts. Some
Coating				
Corrosion By Soil (Y/N)	Yes			perforations in roof plates R3-5. Largest perforation 60mm dia.

75184 -1 Bridge Culvert

		Brid	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1724	, Rise (mm): 1901, Type: SPE)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			3	
				eam End
Culvert Component			Now	Explanation of Condition
Direction	OTEE	E		
End Treatment (Concrete, Steel, Others, None)	STEEL	X		
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape:)			_	
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm) 0				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		6	6	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	6	
		5	Structur	e Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	(Ponds @ W end. 03/01/15). Just corrugations for floor.
Roadway Surface		N	7	
(Type:)				
Icing (Y/N)	No			
Traffic Safety Features		Х	X	
Туре				
Lighting		X	X	
Barrel Leakage (Y/N)	No			

			Structu	re Usage
		Last	Now	Explanation of Condition
Drainage		6	6	
Structure In Use (Y/N) No				Not fenced to entrances. No signs of any use.
Grade Separation General F	ating	8	6	

Alberta Transportation

			Maintenance Recommendations	ecommenda	tions					
Inspector Recommendations	Year		Inspector Comments		Department Comments	nents	T ₆	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		33.3/33.3	Sufficiency Rating (Last/Now)		59.1/56.7	Est. Repl. Yr	2020	Maint. Reqd. (Y/N)		o _N
Special Not used as cattlepass; remove at earliest convenience - (AT h Comments for remove cattlepass when feasible. 17Aug2007). Next Inspection Fill with low strength flowable material & granular is an option.,	ass; remove a when feasible h flowable ma	at earliest col . 17Aug2007 iterial & gran	nvenience - (AT have applied to '). ular is an option.,		Department Comments					
Maintenance Reviewed By					Date		Esti	Estimated Total	0	
Proposed Long-Term Strategy	2007.08.17	2007.08.17 Have signed Cattlepass	Cattlepass removal form. re	emove and re	mediate when fea	removal form. remove and remediate when feasible by department.	ند			
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Jason Saly			Previous A	Previous Assistant's Name					
Next Inspection Date	17-Apr-2014			Previous Ir	Previous Inspection Date	31-Mar-2011				
Inspection Cycle (Default) (months)	21									
Comment										

				Maintenance Reco	mmenc	lations						
Inspector Recom	mendations	,	Year	Inspector Comments		Department C	omme	nts		Target Year	Est. Cost	Cat #
SHOTCRETE RE	PAIRS											
PLACE ADDITIO	NAL RIP RAP											
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCE	ETE/STEEL LININ	G										
INSTALL STRUT	S											
INSTALL CONCE	ETE COLLAR/CUT	OFF										
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)		Now)	33.3/33.	Sufficiency Rating (Last/No (%)	ow)	59.1/56.7	Es	t. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Not used as cattlepass; remove at earliest convenience - (AT I remove cattlepass when feasible. 17Aug2007). Fill with low strength flowable material & granular is an option.,			7Aug2007).	d to	Department Comments	Fill an	d remove fror	n service	at earliest. DA			
Maintenance Reviewed By Darron Ahlstedt						Date	27-No	v-2012		Estimated Tota	1 0	
				ve signed Cattlepass removal form. rem	nove and		I		tment.			
On 3-Year Progra	ım (Y/N)											
Proposed Action												
Previous Inspecto	or's Name	Jason S	Saly	Pı	revious	s Assistant's Name						
Next Inspection D	ate	17-Apr-	-2014	Pı	revious	Inspection Date)	31-Mar-2011	1			
Inspection Cycle	(Default) (months)	21										
Comment	, , , , , , , , , , , , , , , , , , , ,											