					Brida	e Culve	ert Insp	ection							
Bridge File Number 84567 -1 Bridge Culvert					Form Type			CUL1							
Year Built 1990			<u> </u>			Lot No	71								
			RCOURSE CULVERT ON				Inspector Name			Garry Roberts					
		INCIAL HIGHWAY 2 NEAR CALGARY				Inspec	tor Class		BR CLS A						
			· · · · · · · · · · · · · · · · · · ·	CREEK, 2.13.32, WATERCRS-ST				Assistant Name							
Located On		2:15 L1	39.870;2:15 R	1 39.773			Assistant Class								
Water Body Cl.							Inspec	tion Date		15-Jan-2013					
Navigabil. Cl./Y		<b></b>	TIMB	>= 4 \A(=)			Data Entry By			Kelsey Roberts	S				
Legal Land Loc			C 2 TWP 25 R	3E 1 W5N	1		Data E	ntry Date	!	02-Feb-2013	2-Feb-2013				
Longitude, Latit	tude		2:46, 51:06:15	/AIT\			Reviev	Reviewer Name Tom Carey							
Road Authority	Λ		Transportation	(AII)			Review Date			22-Jan-2013					
Contract Main.			FOOT/STONEY				Dept. Reviewer Name			Tim Davies					
Clear Roadway	//Skew	22 /	0 / 2044 / (A)	(22.1.42)					Dept. Review Date						
AADT/Year Road Classifica	ation		0 / 2011 (A)				Follow	-Up By							
			16.6-130												
Detour Length  Bridge Culvert	` '	1													
Number of Culv		iation	1												
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN		2440	3353		BP		100				SQUARE			
Special Feature	es		STORM WATE	R DRAIN				'		'	<u> </u>				
Special Feature		ment													
·															
					Uti	lities (L	ocated	at)							
Utility Attachme															
Telephone In area							Gas								
Power In area							Munici		ļ						
Others Street Lights						Proble	m (Y/N)	No							
Remarks				۸۳	nrood	h Boos	l / Emb	ankment							
				i i	Last	Now		nation of		tion					
Horizontal Alignment						7	Located in gentle curve approx 800m South of Beddington and 100m								
Vertical Alignment				8	North (	North of sign bridge 77199 ZS1									
Roadway Width (m)			22.000												
Embankment					8										
		3.0													
(Height of Cover(m) : <b>2.3</b> )					-										
Guardrail (Y/N) No		No													
Approach Roa	d / Eml	bankme	ent General Rat	ing		7									
						Upstre	am End								
Culvert Compo	onent				Last	Now		nation of	Condi	tion					
Direction					Е				ible. S	uspect pipe con	nects undergi	round to storm			
End Treatment Others, None)	(Concr	ete, Stee	el, NONE				water	drain.							
Headwall						Х									
Collar				Х											
Wingwalls				X											
(Shape: )															
Cutoff Wall					X										

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Lust	X	Explanation of condition						
Heaving (mm)										
Invert Above/Below Stream Bed										
Above/Below (mm)										
Scour Protection			8							
(Type : <b>NATURAL</b> )										
(Avg. Rock Size(mm):)										
Scour/Erosion			8							
Beavers (Y/N)										
Upstream End General Rating			8							
			l O							
Culvert Component			Now	Ivert Barrel Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sns			· •						
Barrel Last Accessible Date	15-Jan-2013	<u> </u>	i). 2440	, Kise (IIIII). 3333, Type. Dr						
Barrer Last Accessible Date	15-Jan-2013									
Special Features										
Special Feature			7	Median drain and ladder and 900 dia. storm drain at South side.						
(Type : STORM WATER DRAI	N)			East ditch drain and ladder and 1500 dia. storm drain at North sideboth with spalling.						
Special Feature			4	both with Spanning.						
(Type : STORM WATER DRAI	N)									
Roof			4	Minor hairline cracks.						
Measured Rise (mm)				2 full depth patches with form rods protruding down 200mm. Unfilled areas around form.						
Measured At Ring No.				Remainder of roof rates 7.						
Sag (mm)										
Percent Sag										
Sidewall			7	2440 throughout						
Measured Span (mm)	2440			900mm dia. storm drain enters at South sidewall approx. 12m from D/S end.						
Measured At Ring No.				b/o ond.						
Deflection (mm)										
Percent Deflection										
Floor			N	Silt and gravel covered						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams			8	Construction joints only.						
Separation (mm)	0									
Longitudinal Seams			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			X							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Bridge Culvert Barrel								
<u> </u>		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 2440	, Rise (mm): 3353, Type: BP)				
Fish Passage Adequacy			7					
Baffle			Х					
(Type:)								
Waterway Adequacy			7					
Icing (Y/N)	No			Silting to 1.3m.				
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating			4					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall			8					
Collar			Х					
Wingwalls			Х					
(Shape: )								
			Х					
Bevel End			Х					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			Est.				
Above/Below (mm)	300							
Scour Protection			7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion			7					
Beavers (Y/N)	No							
Downstream End General Ratin	ng		7					
		S	tructur	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			6	U/S end connects to storm drain system. D/S empties into Nose Creek.				
Bank Stability			7					
HWM (m below Top of Culvert)				No visible HWM				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			6					

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance	Recommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		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	2013	Remove forms and hanger rods a roof at D/S extension.	and patch						
OTHER ACTION	2015	Repair spalls at East ditch drain a (approx. 1.5m2)	nd storm pipe						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) /44.4	Sufficiency Rating (Las	st/Now) /	56.9	Est. Repl. Yr	2080	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		ı	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name			Previous A	Assistant's Name					
Next Inspection Date	15-Oct-2014		Previous I	nspection Date					
Inspection Cycle (Default) (months)	21								
Comment									