79996 -1 Bridge Culvert

					Bridg	e Culve	ert Insp	ection						
Bridge File Nur	nber	79996 -	-1 Bridge Culve	rt		Form Type			CUL1					
Year Built 1996							Lot No.			4				
Bridge or Town	Name	INDUS				Inspector Name			Garry Roberts					
Located Over		IRRIGA	ATION C, WATE	RCRS-IC			Inspector Class			BR CLS A				
Located On		901:48	C1 3.028				Assistant Name							
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	'ear						Inspection Date			06-Jan-2012				
Legal Land Loc	ation	NE SE	26 TWP 22 RGE 26 W4M				Data Entry By			Anne Roberts				
Longitude, Latit	tude	-113:29	9:37, 50:54:25				Data Entry Date			05-Feb-2012				
Road Authority Alberta Tr Contract Main. Area CMA30 Clear Roadway/Skew 12.8 / 20 AADT/Year 2,800 / 20 Road Classification RAU-213. Detour Length (km) 3 Bridge Culvert Information		Transportation	(AIT)			Reviewer Name			Tom Carey					
Road Authority Alberta T Contract Main. Area CMA30 Clear Roadway/Skew 12.8 / 20 AADT/Year 2,800 / 20 Road Classification RAU-213 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel S)				Review	v Date		18-Jan-2012					
Clear Roadway/Skew 12.8 / 20		20 deg. (RHF)		Dept. Reviewer Name			Tim Davies							
AADT/Year 2,800 / 2		2010 (A)		Dept. Review Date			06-Feb-2012							
Road Classification RAU-21						Follow-Up By								
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1600		MP		44		125X26	2.8	ROUND		
Special Feature	es													
Special Feature	es Comn	nent												
Litility Attackers					Uti	ilities (L	ocated	at)						
Utility Attachme		DOW/					Coo		UD as	na lina d/a 20m	S of CI			
Telephone	North	ROW					Gas	1	HP ga	as line d/s 30m	S OI CL			
		1. 1		. , , ,	u al		Municipal National Na							
Power East		stic drain line into u/s bevel				Problem (Y/N) No								
Remarks				Λ.	n n r o o	sh Door	l / Emb	ankment						
				A	Last	Now				tion				
Horizontal Align	nment			8	9	Explanation of Condition								
Horizontal Alignment Vertical Alignment				8	8									
Roadway Width (m)		12.800		0										
Embankment					8	8								
Sideslope (·1)		5.0		0	0								
(Height of Co		3)	3.0				-							
Guardrail (Y/N)		<u> </u>	Yes											
Approach Roa	id / Emb	oankme	nt General Rat	ing	8	8								
							am End							
Culvert Compo	onent				Last	Now	Explar	nation of	Condi	tion				
Direction					N									
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL											
Headwall					X	X								
Collar			Х	Х										
Wingwalls			Х	Х										
(Shape:)														
Cutoff Wall					X	X								

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		8	7					
Heaving (mm)	50							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	7					
		Brid	dao Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			, Rise (mm): 1600, Type: MP)				
Barrel Last Accessible Date	06-Jan-2012	pan (IIIII	./-	, moo (min). 1000, 13pc. mi /				
Dailei Lasi Accessible Dale	00-3411-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		8	8					
Measured Rise (mm)	1570							
Measured At Ring No.	3							
Sag (mm)	30							
Percent Sag	1							
Sidewall	'	8	8					
	4000	0	0					
Measured Span (mm)	1630							
Measured At Ring No.	3							
Deflection (mm)	30							
Percent Deflection	1							
Floor		N	7					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		8	8					
Separation (mm)	20							
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		6	6	Mild corrosion @ water level				
Corrosion By Soil (Y/N)	No			3				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	Yes							

		Bric	lge Cu	Ivert Barrel
		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: MP)
Fish Passage Adequacy		Х	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	Waterline above mid sidewall
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL		,	
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		8	8	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		6	6	Bends 90 deg @ north & follows road
Bank Stability		8	8	
HWM (m below Top of Culvert)	0.7			No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		6	6	

	\ \		nce Recommendations				- · · · ·	E . O .	
Inspector Recommendations	Year	Inspector Comments	Department C	comments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION	_								
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 88.9/8	Sufficiency Rating (%)	(Last/Now) 78.8/76.6	Est. F	Repl. Yr	2048	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date				Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Rusu		Previous Assistant's Nam	ne					
Next Inspection Date	06-Apr-2015		Previous Inspection Date) 1:	5-Oct-2008				
Inspection Cycle (Default) (months)	39								
Comment									