Bridge Culvert Inspection													
Bridge File Number 79538 -1 Bridge Culvert				0		Form Type			CULM				
Year Built 1997							Lot No.		4				
Bridge or Town Name INDUS							Inspect	Inspector Name		Garry Roberts			
Located Over							Inspector Class			BR CLS A			
Located On						Assistant Name							
Water Body Cl.					Assistant Class								
Navigabil. CI./Y							Inspection Date		06-Jan-2012				
			C 26 TWP 22	Data Entry By			Anne Roberts						
Longitude, Latitude -113:30:1			0:13, 50:54:25					ntry Date		05-Feb-2012			
			Transportation		Reviewer Name			Tom Carey					
Contract Main. Area CMA30			1				Review Date		18-Jan-2012				
Clear Roadway/Skew 12.8 / 35			5 deg. (RHF)				Dept. R	leviewer N	lame	Tim Davies			
		2,800 /	2010 (A)				Dept. R	eview Da	te	06-Feb-2012			
Road Classifica	ation	RAU-21	13.4-120				Follow-	Uр Ву					
Detour Length	(km)	3											
Bridge Culvert	t Inform	ation											
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	3300		MP		34		125X26	3.5	ROUND	
2	MAIN		-	3300		MP		34		125X26	3.5	ROUND	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme		5014					0		_				
Telephone	North	ROW					Gas 5m south of bevels   Municipal						
Power							Problem (Y/N) No						
Others	<u> </u>						Probler	n (Y/N)	NO				
Remarks				Δ.		ah Daar	d / Emplo	ankment					
				A			1	ation of C	Condi	tion			
Horizontal Alignment				8	9	Expian							
Vertical Alignm					8	8							
Roadway Width			12.800										
	. ,					_							
Embankment					9	8	_						
Sideslope (			5.0				-						
(Height of Co		: 1)			1								
Guardrail (Y/N)			Yes										
Approach Roa	ld / Eml	bankme	nt General Ra	ting	8	8							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of C	Condi	tion			
(Pipe # : <b>1, Sp</b>	an Type	e: Prima	ary Span)										
Direction					E		East cu	lvert - nor	th end	<u> </u>			
End Treatment Others, None)	(Concre	ete, Stee	el, CONCRET	E									
Headwall					8	8							
Collar					8	8							
Wingwalls	Wingwalls				X	X							
(Shape : )							1						
(- )													

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Cutoff Wall		N	N	buried
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700			
Scour Protection		8	8	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Bri	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	ipan (mm	ı):	, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	06-Jan-2012			East pipe
Special Features	• •			
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		N	8	estimate
Measured Rise (mm)				-
Measured At Ring No.				-
Sag (mm)				
Percent Sag				
Sidewall		N	8	_
Measured Span (mm)	3350			
Measured At Ring No.	2			
Deflection (mm)	50			_
Percent Deflection	2			
Floor		N	N	Ice
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	1	N	7	
Separation (mm)	70			
Longitudinal Seams		X	X	
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		8	6	Minor superficial corrosion
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	Yes			1

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

79538 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			):	, Rise (mm): 3300, Type: MP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N) No									
Fish Passage Adequacy		X	7						
Baffle		Х	Х						
(Туре : )									
Waterway Adequacy		9	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	8						
			1	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	y Span)								
Direction		W		East pipe south end					
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		8	8						
Collar			8						
Wingwalls		X	X						
(Shape : )		1							
Cutoff Wall		N	N	buried					
Bevel End	1	8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	700		1						
Scour Protection		8	8						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 200)		1	1						
Scour/Erosion	1	8	8						
Beavers (Y/N)	No								
Downstream End General Ration	ng	8	8						
		Last		am End					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		E		West pipe north end					
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		8	8						
Collar		8	8						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		N	N	buried					

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)		_	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700			
Scour Protection		8	8	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>200</b> )				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 3300, Type: MP)
Barrel Last Accessible Date	01-Feb-2005		.,.	West pipe
Special Features				
Special Feature				
(Type : )				
Special Feature				-
(Type : )				-
Roof		N	7	Estimate
Measured Rise (mm)	3275	IN	1	Minor construction tear in R3
				-
Measured At Ring No.	2 25			-
Sag (mm) Percent Sag	20			-
			0	
Sidewall	0000	N	8	-
Measured Span (mm)	3233			-
Measured At Ring No.	2			-
Deflection (mm)	67			-
Percent Deflection	2			  .
Floor		N	N	Ice
Bulge (mm)				-
Measured At Ring No.				-
Abrasion (Y/N)	No		1	
Circumferential Seams		N	7	-
Separation (mm)	70		1	
Longitudinal Seams		X	X	_
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		8	6	
Corrosion By Soil (Y/N)	No			Minor Superficial
				1
Corrosion By Water (Y/N) Camber POS/ZERO/NEG	Yes ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3300, Type: MP)				
Ponding (Y/N)	No							
Fish Passage Adequacy			7					
Baffle		X	X					
(Type:)								
Waterway Adequacy		9	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		8	7					
		D	ownstr	ream End				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Direction		W		West pipe south end				
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	8					
Collar			8					
Wingwalls		x	X					
(Shape : )								
Cutoff Wall			N	buried				
Bevel End		8	8	-				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	700							
Scour Protection		8	8	-				
(Type : <b>RIP RAP</b> )				-				
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Downstream End General Ration	ng	8	8					
		s	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		9						
Alignment			7	Outlet structure 20m u/s				
Bank Stability			7					
HWM (m below Top of Culvert)	1.0			No Visible HWM				
Drift (Y/N)	No							
Channel Bottom Degrading/Aggrading	NONE							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1				
Channel General Rating		9	7					

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	w)	88.9/77.	.8 Sufficiency Rating (Last/N (%)	low)	<b>91.8/77.3</b> Est. Repl. Yr 205		2053	Maint. Re	qd. (Y/N)	No		
Special Comments for Next Inspection					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 Jaso		Rusu		Previous Assistant's Name								
Next Inspection Date 06-		-2015		Previous Inspection Date 15-Oct-2008								
Inspection Cycle (Default) (months) 39												
Comment												