Bridge Culvert Inspection														
Bridge File Number 75962 -1 Bridge Culvert						F		Form Type		CUL1				
Year Built		1967						Lot No.		4				
Bridge or Town I	dge or Town Name NORDEGG							Inspector Name		Owen Salava				
Located Over		TRIBUT RIVER,	ARY TO NORTH SASKATCHEWAN 6.177, WATERCRS-ST				Inspector Class		BR CLS A					
Located On		11:04 C	1 10.051				Assistant Name							
Water Body CI./	Year						Assistant Class		07 Eab 2012					
Navigabil. Cl./Year							Inspection Date		Marcia Chave	7				
Legal Land Location SW SEC			C 7 TWP 38 RC	C 7 TWP 38 RGE 17 W5M					Data Entry Date		Marcia Chavez			
Longitude, Latitude -116:25:4		40, 52:14:47				Reviewer Name		John O'Brien						
Road Authority Alberta T		Transportation		Review Date		22-Feb-2012								
Contract Main. Area CMA18				Dept. Reviewer Name		Andrew Smikles								
Clear Roadway/Skew 13.3 / -25		25 deg. (LHF)		Dept. Review Date		09-Mar-2012								
AADT/Year		840 / 20	10 (A)				Follow-Up By							
Road Classificat	ion	RAU-21	3.4-120	120										
Detour Length (km) 300														
Bridge Culvert Information														
Number of Culve	erts		1			_								
Pipe # E	Barrel		Span	Rise (or	Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 N	MAIN		4267	2946		RP	60.4			152X51	3.5	PIPE ARCH		
Special Features	5		CONC FLOOR											
Special Features Comment														
	1				Uti	lities (L	ocated	at)						
Utility Attachments														
Telephone	South	uth r/w. Gas												
Power		Municipal												
Others	Others						Problem (Y/N) NO							
Remarks														
A					l ast	Now	Explanation of Condition							
Horizontal Alignment				5	5	Built in between two curves on grade, crest to East. Limited sight								
Vertical Alignment				6	6	distance. No passing EB.								
Roadway Width (m)			13.300											
Embankment				5 5										
Sideslope (:	1)		2.0	2.0										
(Height of Cov	er(m) :	2.1)												
Guardrail (Y/N)	- \ /	/	Yes			South side only.								
Approach Road	l / Emb	ankme	nt General Rat	ating 5		5								
						Unstre	am End							
Culvert Compo	Culvert Component													
Direction			,		N									
End Treatment (Concrete, Steel, STEEL														
Headwall			Х	X										
Collar				Х	Х									
Wingwalls			X	Х										
(Shape :)														
Cutoff Wall					X	Х								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		7 7		Native rubble with a few large rocks.						
(Type : NATURAL)										
(Avg. Rock Size(mm) :)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating			7							
		Brid	lge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm)): 4267	7, Rise (mm): 2946, Type: RP)						
Barrel Last Accessible Date	07-Feb-2012									
Special Features										
Special Feature		6	N	(Typical cracking. 05May2010) - Snow covered.						
(Type : CONC FLOOR)										
Special Feature										
(Type:)										
Roof		4	4	Rating based on previous measurement.						
Measured Rise (mm)	2700			2660 to floor @ R10.						
Measured At Ring No.										
Sag (mm)	246	_		8.3% roof sag.						
Percent Sag	8									
Sidewall		6	6							
Measured Span (mm)	4440		-							
Measured At Ring No.	11									
Deflection (mm)	173			4 1%						
Percent Deflection	4			/0						
Floor		N	N	Concrete covered, 130mm deep @ outlet.						
Bulge (mm)	0			80% snow covered.						
Measured At Ring No.	-									
Abrasion (Y/N)	Yes			1						
Circumferential Seams		7	7							
Separation (mm)	0									
Longitudinal Seams	-	7	7							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0			- ROOT & TIOOR Staggered 1N.						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N) No				1						
Longitudinal Stagger (Y/N)	No									
Coating	-	6	6	Superficial rust.						
Corrosion By Soil (Y/N)	No		0							
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 4267	, Rise (mm): 2946, Type: RP)						
Fish Passage Adequacy		4	4	Very steep.						
Baffle		X	Х							
(Туре :)										
Waterway Adequacy			7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4	4							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		4	4	Bevel bent at West side. Tear @ East side - photo.						
Heaving (mm)	0									
Invert Above/Below Stream Bed				At streambed.						
Above/Below (mm)	0									
Scour Protection		6	6	Native rubble with occassional boulders.						
(Type : NATURAL)										
(Avg. Rock Size(mm) :)										
Scour/Erosion			6							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	4	4							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)	1									
Alignment			6	Steep slope U/S is subject to rock deposit, subject to movement of bed material.						
Bank Stability			6							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading				Channel degrades & aggrades depending on flow volume.						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	6							

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow)	44.4/44.	4 Sufficiency Rating (Last/N (%)	low) 4	48.2/48.2	.2/48.2 Est. Repl. Yr 2030		Maint. Reqd. (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 Owe		Salava		Previous Assistant's Name							
Next Inspection Date 07		07-Nov-2013			Previous Inspection Date 05-May-2010						
Inspection Cycle (Default) (months) 21											
Comment											