Bridge Culvert Inspection													
Bridge File Number 78535 -1 Bridge Culvert					Entrag	c ourve	Form T		CUL1				
Year Built							Lot No.	••	4				
Bridge or Town Name GRANADA								or Name	Todd Warshav				
Located Over	lamo				/ER.		Inspector Class		BR CLS B				
		8.11.84.5	51.14, WATERCRS-ST				Assistant Name						
Located On 16:10 R1 3.662							Assistant Class						
Water Body Cl./Year							Inspection Date		10-Aug-2012	10-Aug-2012			
Navigabil. Cl./Year							Data E		Theresa Lacusta				
Legal Land Location NW SEC 26 TWP 53 RGI					/5M			Data Entry Date 27-Aug-2012					
Longitude, Latitu					Reviewer Name		Eric Carcoux						
Road Authority	ransportation	ansportation (AIT)				Date	27-Aug-2012						
Contract Main. A		CMA12					Dept. F	Reviewer Name	Brent Herrick				
Clear Roadway/Skew 12.5 / 10 d							Dept. Review Date 30-Aug-2012						
AADT/Year		6,530 / 20					Follow-Up By						
Road Classificati		RAD-412	.4-120										
Detour Length (k		1											
Bridge Culvert I													
Number of Culve		1						Langth	Corr Dr. (1		Chart		
Pipe # B	Barrel	S	pan	an Rise (or		Dia.) Type		Length	Corr. Profile	PI./Slab Thickness	Shape		
1 N	/IAIN	-		2740		SP		59.2	152X51	3.0	ROUND		
Special Features	;												
Special Features	Special Features Comment												
					Ut	ilities (L	ocated	at)					
Utility Attachmen		,					0						
	North						Gas						
	3 lines	s O/H Sou	th r/w.				Municip						
Others Remarks		a an C ha					Probler	m (Y/N) No					
Remarks	riie la	g on S be	vei.	Δ	oproa	ch Poar	l/Emb	ankment					
				<u> </u>	T			ation of Cond	lition				
Horizontal Alignment						7	In gradual curve with good sight distance.						
Vertical Alignment				7 6	6	Crest to W, rise t o E.							
			12 500					00					
Roadway Width (m)			12.500				EDL	Repaved in 20	09				
Embankment					6	6							
Sideslope (:1) 2.0													
(Height of Cover(m) : <b>6.4</b> )													
Guardrail (Y/N)			Yes				3.5 m off of shoulders, both sides.						
A	/ =		O an anal Dat	•	0	0							
Approach Road	/ Emt	bankment	General Rat	ing	6	6							
						Upstre	am End						
Culvert Compor	nent				Last	Now	Explan	ation of Conc	lition				
Direction			1		S		_						
End Treatment (Concrete, Steel, Others, None)		STEEL											
Others, None) Headwall				X	X								
Collar			X	X									
Wingwalls			X	X									
(Shape : )					~								
Cutoff Wall				X	X								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		5	5	-						
Heaving (mm)	300									
Invert Above/Below Stream Bed				-						
Above/Below (mm)	300		1							
Scour Protection		4 5		Settlement of fill 900mm East side, 950mm West side. Area is well grassed.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 400)			1							
Scour/Erosion		4	5	Loss of fill around bevel. 2mx1mx1.5m Area is grassed in.						
Beavers (Y/N)	No									
Upstream End General Rating	1	4	5							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 2740, Type: SP)						
Barrel Last Accessible Date	09-Mar-2007			Viewed from ends, shape and condition appear ok. Silt in barrel up to 1m thick.						
Special Features										
Special Feature										
(Type:)			-	_						
Special Feature										
(Type : )										
Roof		N	N	(Outlet 2718mm. 2003/10/07)						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	100									
Percent Sag	4									
Sidewall		N	N	U/S - 2697. Deep silt & waterMarch, 2007						
Measured Span (mm)	2852			(4.1%. 09/Mar/2007)						
Measured At Ring No.	3									
Deflection (mm)	112			_						
Percent Deflection	4									
Floor		N	N	Silt on floor21-Nov-2008						
Bulge (mm)	0									
Measured At Ring No.				-						
Abrasion (Y/N)	No									
Circumferential Seams		N	N							
Separation (mm)	0									
Longitudinal Seams		N	N							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams				1N stagger						
Min. Remaining Steel Between Cracks (mm)				1N stagger.						
Proper Lap (Y/N)	Yes									
Longitudinal Stagger (Y/N)	Yes		-							
Coating		6	N							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last Now		Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2740, Type: SP)						
Fish Passage Adequacy		8	8							
Baffle		Х	7							
(Type:)										
Waterway Adequacy		7 7		(Grass caught on top bolts. Has flowed full at some point. Silted						
Icing (Y/N)	ing (Y/N) No			1200mm. 2000/04/18) 1m of silt in barrel.						
Silting (Y/N)	Yes									
Drift (Y/N) No										
Barrel General Rating		N N		Previously rated "6" on 09/Mar/2007.						
			ouvootr	nom End						
Culvert Component		Last	Now	eam End Explanation of Condition						
Direction		N								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall	<u> </u>	Х	X							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape : )										
Cutoff Wall		X	X							
Bevel End		N	6							
Heaving (mm) 100										
Invert Above/Below Stream Bed BELOW										
Above/Below (mm)	1000									
Scour Protection	1	6	6							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>300</b> )										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	6	6							
		S	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5	Meandering creek. Creek ponds and twists for 400m along median before crossing WB lane at BF 71885.						
Bank Stability		5	5							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) Yes										
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5	5							

Maintenance Recommendations													
Inspector Recommendations			Year	Inspecto	or 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/CUTOFF		DFF											
REPAIR SEAMS													
	OTHER ACTION												
	OTHER ACTION												
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			55.6/55.0	6	Sufficiency Ratin (%)	g (Last/Now)	59.2/60.1	Est. Repl. Yr	2030	Maint. Red	qd. (Y/N)	No	
Special Comments for Next Inspection	Section	13.9.1.5	or more cycles, a L Based on observed a later date.	evel 2 inspection is d site evaluations	Department Comments								
Maintenance Reviewed By							Date		Estimated Total 0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name T		Todd Warshawski			Previous	us Assistant's Name							
Next Inspection Date		10-May	10-May-2014 F			Previous	us Inspection Date 16-Sep-2010						
· · · · · · · · · · · · · · · · · · ·		21											
Comment													