Brid							e Culvert Inspection							
Bridge File Nur	nber	76087	-2 Bridge Culve	rt			Form 1			CUL1				
Year Built		2005					Lot No			4				
Bridge or Town	Name	NORDI	EGG				Inspec	tor Name		Owen Salava				
Year Built 2005 Bridge or Town Name NORDEG Located Over TRIBUTAL RIVER, 6. Located On 11:02 C1: Water Body Cl./Year Navigabil. Cl./Year Legal Land Location NE SEC 1 Longitude, Latitude -116:33:16 Road Authority Alberta Tr Contract Main. Area CMA18 Clear Roadway/Skew 12.2 / 0 de AADT/Year 360 / 2016 Road Classification RAU-213. Detour Length (km) 300 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 51 Special Features Special Features Comment			TARY TO NORT , 6.191, WATER		ATCHI	EWAN	Inspector Class Assistant Name		BR CLS A					
Located On														
Water Body Cl.	/Year	132 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					Assistant Class		00 Fab 2012					
								tion Date		08-Feb-2012				
		NE SE	C 18 TWP 35 R	GE 18 W	5M			ntry By		Marcia Chavez 06-Mar-2012				
		-116:33	3:16, 52:00:24					ntry Date ver Name						
Road Authority		Alberta	Transportation	(AIT)			Reviev			John O'Brien 22-Feb-2012				
Contract Main.	Area	CMA18	3						Nama	Andrew Smikle	20			
Clear Roadway	/Skew	12.2 / 0) deg.								55			
AADT/Year		360 / 2	010 (A)		Dept. Review Date Follow-Up By			09-Mar-2012						
Road Classifica	ation	RAU-2	13.4-110				FOIIOW	-ор Бу						
Detour Length	(km)	300												
Bridge Culvert	Inform	ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		5150			RPB		16.5		152X51	3.5	ARCH		
Special Feature	es													
Special Feature	es Comi	ment												
					Uti	ilities (L	ocated	at)						
Utility Attachme	ents													
Telephone	South	ditch.					Gas							
Power							Munici	pal						
Others							Proble	m (Y/N)	No					
Remarks														
				А	Last	Now		ankment	Condi	tion				
Horizontal Alignment					7	7	Explanation of Condition Curves @ both ends.							
Vertical Alignm					7	7	Hill to		rius.					
Roadway Width			12.200		,	!								
Toadway Widti	- (111)		12.200			_								
Embankment					8	8								
Sideslope (_:1)		3.0											
(Height of Co		1.1)												
Guardrail (Y/N)			Yes											
Approach Roa	d / Eml	bankme	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent				Last	Now	<u> </u>	nation of						
Direction			N		Pipe is	grouted in	n unde	er old bridge.						
End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE											
Headwall					9	9								
Collar					X	X								
Wingwalls					9	9								
(Shape :)														
Cutoff Wall					N	N	Buried							

76087 -2 Bridge Culvert

Upstream End											
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		Х	Х								
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm)											
Scour Protection		9	N	Snow covered.							
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 450)											
Scour/Erosion		9	N								
D ()(A))	 										
Beavers (Y/N)	No										
Upstream End General Rating		9	N	GR was 9 from 06May2010.							
-											
Culvert Component Last Now Explanation of Condition											
(Pipe # : 1, Primary Span, Loca	tion Codo: MAIN Sna			· ·							
Barrel Last Accessible Date	08-Feb-2012	(1). 3130	, rise (min). , type. Rr b)							
Darrei Last Accessible Date	00-Feb-2012										
Special Features											
Special Feature											
(Type:)			_								
Special Feature											
(Type:)											
Roof		9	9								
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm)											
Percent Sag											
Sidewall		9	9	Shape looks good.							
Measured Span (mm)	5150										
Measured At Ring No.	4										
Deflection (mm)	0										
Percent Deflection	0										
Floor		X	X	Rock floor.							
Bulge (mm)											
Measured At Ring No.											
Abrasion (Y/N)											
Circumferential Seams		9	9								
Separation (mm)	0										
Longitudinal Seams		9	9								
Total No. of Cracked Rings	0										
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	Yes										
Longitudinal Stagger (Y/N) Yes											
Coating		9	9								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	No										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

76087 -2 Bridge Culvert

		Brid		vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	<u>): 5150</u>	, Rise (mm): , Type: RPB)
Fish Passage Adequacy		3	3	Very steep.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		9	9	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		9	9	
Collar		X	X	
Wingwalls		9	9	
(Shape:)		T	1	
Cutoff Wall		N	N	Buried.
Bevel End		Х	X	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)			1	
Scour Protection		9	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 600)				
Scour/Erosion		9	N	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	9	N	GR was 9 from 06May2010.
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	D/S channel on steep grade.
Bank Stability		6	6	Cut bank D/S.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				Aggrading @ U/S, degrading @ D/S.
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

			Maintena	nce Recomme	ndations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Con	nments		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) 100.0/	0.00	Sufficiency Rating (%)	(Last/Now)	83.5/74.6	Est. Repl. Yr	2055	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		ı	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava			Previou	s Assistant's Name					
Next Inspection Date	08-Nov-2013			Previou	s Inspection Date	06-May-2010)			
Inspection Cycle (Default) (months)	21									
Comment										