Bridge Culvert Inspection															
Bridge File Nur	nber	81858 -1 Bridge Culvert						Form Type			CUL1				
Year Built		1964						Lot No.	Lot No.		4				
Bridge or Town	Name	BALZA	С					Inspecto	Inspector Name		Garry Roberts				
Located Over		TRAIL-	ANIMAL, O	VER	SP			Inspecto	or Class		BR CLS A				
Located On 772:02 C1 6.036							Assistar	nt Name							
Water Body Cl.	/Year							Assistant Class							
Navigabil. CI./Y	'ear							Inspecti	on Date		26-Jul-2012				
Legal Land Loc	ation	NW SE	C 25 TWP	26 R(GE 2 WS	5M		Data Er	ntry By		Lauren Korte				
Longitude, Latit	tude	-114:09	9:52, 51:15:	07				Data Entry Date			02-Sep-2012				
Road Authority		Alberta	Transporta	ition (AIT)			Review	er Name	;	Tom Carey				
Contract Main.	Area	CMA29						Review Date			07-Aug-2012				
Clear Roadway	lway/Skew 8.6 /							Dept. R	eviewer	Name	Tim Davies				
AADT/Year							Dept. Review Date			06-Sep-2012					
Road Classifica	lassification RCU-208-110 Follow-Up By														
Detour Length	Detour Length (km) 6														
Bridge Culvert	Inform	nation													
Number of Culv	/erts		1												
Pipe #	Barrel		Span		Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		1710		1890		MPE		21.6				ELLIPSE		
Special Feature	es														
Special Feature	es Comi	ment													
	Posting Information Required Vert. Clearance Posting (m)														
Posted Vertical Clearance (Y/N)															
Posted: Lane NB On Bridge (m) In Advance (Y/N) Lane SB On Bridge (m) In Advance (Y/N)															
Remarks Not Required. Utilities (Located at)															
Utility Attachme	ents														
Telephone	West	 ditch.						Gas		20m V	Vest-no marke				
Power	West	side-5m-1W.						Municip	al						
Others		Problem (Y/N) No													
Remarks															
					Α	pproad	ch Roa	d / Emba	nkment						
						Last	Now	Explana	ation of	Condit	tion				
Horizontal Aligr	nment					7	7	Residential Access.							
Vertical Alignm	ent					7	7								
Roadway Width	ח (m)		8.600												
Embankment						7	7								
Sideslope (_:1)		2.0												
(Height of Co	ver(m) :	: 1)													
Guardrail (Y/N) Yes															
Approach Roa	d / Eml	bankme	nt General	Rati	ng	7	7	<u> </u>							
							Unstro	eam End							
Culvert Compo	onent					Last	Now	Explana	ation of	Condi	tion				
Direction	Shent					Last	140 W	West.		Jonuli					
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL												
Headwall						X	X	-							
Headwall															
Collar						Х	Х								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls		X	X						
(Shape :)									
Cutoff Wall		Х	X						
Bevel End		7	6	Minor damage to South side.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	25								
Scour Protection		7	7						
(Type : NATURAL)									
(Avg. Rock Size(mm) :)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Upstream End General Rating		7	6						
		Bric	d <u>ge Cu</u>	lvert Barrel					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm							
Barrel Last Accessible Date	26-Jul-2012								
Special Features	1		1						
Special Feature									
(Type:)			1	-					
Special Feature									
(Туре:)									
Roof		7	6	Minor damage @ U/S end.					
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)				-					
Percent Sag									
Sidewall	I	7	7	Inward deflection.					
Measured Span (mm)	1670			-					
Measured At Ring No.	2			-					
Deflection (mm)	40			-					
Percent Deflection	2		1						
Floor	1	N	N	Avg 100mm dirt on floor.					
Bulge (mm)				-					
Measured At Ring No.				-					
Abrasion (Y/N)	No		1						
Circumferential Seams	1	7	7						
Separation (mm)	50		1						
Longitudinal Seams	1	7	7	Riveted seams.					
Total No. of Cracked Rings	0			-					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
Coating		5	5	Superficial corrosion @ haunches @ West.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

81858 -1 Bridge Culvert

Bridge Culvert Barrel Culvert Component Last Now Explanation of Condition (Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1710, Rise (mm): 1890, Type: MPE) Camber POS/ZERO/NEG NEG Camber POS/ZERO/NEG NEG
Camber POS/ZERO/NEGNEGIIPonding (Y/N)NoIIFish Passage AdequacyXXBaffleXXIng (Y/N)XXVaterway AdequacyXXIcing (Y/N)NoISilting (Y/N)NoIDrift (Y/N)NoIBarrel General RatingT6Explanation of ConditionDirectionIExplanation of ConditionDirectionSTEELXXEnd Treatment (Concrete, Steel, STEELXXHeadwallXXX
Image: Note of the system o
Fish Passage AdequacyXXXBaffleXXBaffleXX(Type :)XXWaterway AdequacyXXIcing (Y/N)NoXSilting (Y/N)NoDrift (Y/N)NoBarrel General Rating76Culvert ComponentLastNowDirectionSTEELEnd Treatment (Concrete, Steel, None)STEELXXXXKXXXXXXXXXXXXXX
Baffle (Type :)XXWaterway AdequacyXXIcing (Y/N)No $-$ Silting (Y/N)No $-$ Drift (Y/N)No $-$ Barrel General Rating76Explanation of ConditionDirectionDirection $-$ End Treatment (Concrete, Steel, STEEL X X AX X AXAXAXAXAXAXAXAXAXAXAXAX
$\begin{array}{c c c c c } (Type:) & V & V & X & X \\ \hline Vaterway Adequacy & No & X & X \\ \hline Icing (Y/N) & No & O & V \\ \hline Silting (Y/N) & No & O & V \\ \hline Drift (Y/N) & No & O & V \\ \hline Barrel General Rating & V & O \\ \hline \\$
$\begin{array}{ c c c } (Type:) & V & V & X & X \\ \hline Vaterway Adequacy & No & X & X \\ \hline Vaterway Adequacy & No & V & V \\ \hline Silting (Y/N) & No & I & V \\ \hline Drift (Y/N) & No & I & V \\ \hline Barrel General Rating & V & I \\ \hline \\ \hline Culvert Component & I & I & V \\ \hline Direction & I & I & V \\ \hline Direction & I & I & I \\ \hline Direction & I & I & I \\ \hline Direction & I & I & I \\ \hline Headwall & V & I \\ \hline \\ \hline \\ \hline \\ Headwall & V & I \\ \hline \\ \hline \\ \hline \end{array}$
Waterway AdequacyXXXIcing (Y/N)NoISilting (Y/N)NoIDrift (Y/N)NoIBarrel General Rating76Culvert ComponentDirectionIamIamDirectionSTEELImage: Steel Ste
$\begin{tabular}{ c c c c c } \hline Icing (Y/N) & No & I & \hline \\ \hline Silting (Y/N) & No & I & \hline \\ \hline Drift (Y/N) & No & \hline \\ \hline \hline$
Silting (Y/N)NoIDrift (Y/N)NoIBarrel General Rating76Culvert ComponentLastNowDirectionILastDirectionSTEELIHeadwallSTEELXXXX
Drift (Y/N)NoIBarrel General Rating76Culvert ComponentILastNowDirectionIExplanation of ConditionDirectionIIEnd Treatment (Concrete, Steel, STEELIXHeadwallXX
Barrel General Rating76Downstream EndCulvert ComponentLastNowExplanation of ConditionDirectionImage: Steel Ste
Culvert ComponentLastNowExplanation of ConditionDirectionIEast.End Treatment (Concrete, Steel, STEELIIHeadwallXX
Culvert ComponentLastNowExplanation of ConditionDirectionIEast.End Treatment (Concrete, Steel, STEELIIHeadwallXX
Direction Image: Constraint of the system End Treatment (Concrete, Steel, STEEL Image: Constraint of the system Others, None) X Headwall X
End Treatment (Concrete, Steel, Others, None) STEEL Headwall X
Headwall X X
Collar X X
Wingwalls X X
(Shape:)
Cutoff Wall X X
Bevel End 7 7
Heaving (mm) 0
Invert Above/Below Stream Bed BELOW
Above/Below (mm) 150
Scour Protection 7 7
(Type : NATURAL)
(Avg. Rock Size(mm) :)
Scour/Erosion 7 7
Beavers (Y/N) No
Downstream End General Rating 7 7
Structure Usage
Last Now Explanation of Condition
Grade Separation
Road Alignment 7 X
Roadway Surface 7 7
(Type : SOIL)
Icing (Y/N) No
Traffic Safety Features X X
Type NONE
Lighting X X
Barrel Leakage (Y/N) No

Structure Usage								
		Last	Now	Explanation of Condition				
Drainage			7					
Structure In Use (Y/N) Yes								
Grade Separation General Rating			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/CUTO	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	w)	77.8/66.	Sufficiency Rating (Last/Now) (%)		2.0/75.0 Est. Repl. Yr 2027		2027	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 Garr		Roberts	P	s Assistant's Name								
		-2015	P	Previous I	ous Inspection Date 02-Jun-2009							
Inspection Cycle (Default) (months) 39												
Comment												