

Bridge Culvert Inspection			
Bridge File Number	71881 -1 Bridge Culvert	Form Type	CULE
Year Built	1952	Lot No.	4
Bridge or Town Name	WILDWOOD	Inspector Name	Todd Warshawski
Located Over	TRIBUTARY TO LOBSTICK RIVER, 8.11.84.51.8, WATERCRS-ST	Inspector Class	BR CLS B
Located On	16:10 R1 18.263;16:10 L1 18.316	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	27-Aug-2012
Legal Land Location	SE SEC 30 TWP 53 RGE 8 W5M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-115:09:25, 53:36:17	Data Entry Date	09-Sep-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Eric Carcoux
Contract Main. Area	CMA12	Review Date	29-Aug-2012
Clear Roadway/Skew	24.7 /	Dept. Reviewer Name	Brent Herrick
AADT/Year	6,530 / 2011 (A)	Dept. Review Date	18-Sep-2012
Road Classification	RAD-412.4-120	Follow-Up By	
Detour Length (km)	1		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	U/S	-	2740	SP	36.6	152X51	3.0	ROUND
1	MAIN	3660	1830	BP	25.6			RECTANGLE
Special Features								
Special Features Comment	2740mm SP extension in 1987. Transition box for SPCSP to concrete box.-09-Mar-2007							

Utilities (Located at)

Utility Attachments			
Telephone	13 m North of r/w.	Gas	
Power	1 wire 50 m east, 3 wires South r/w.	Municipal	
Others		Problem (Y/N)	No
Remarks	File tag U/S South.		

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment	7	7	Intersection 200m East. Entrance 300m West.
Vertical Alignment	8	8	
Roadway Width (m)	23.200		EBL 11.4 WBL 11.8
Embankment	7	7	SPCSP under EBL, BP under WBL.
Sideslope (__:1)	2.0		North side.
(Height of Cover(m) : 3.8)			
Guardrail (Y/N)	Yes		N side of WBL only.
Approach Road / Embankment General Rating	7	7	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
Direction	S		
End Treatment (Concrete, Steel, Others, None)	CONCRETE		
Headwall	7	7	
Collar	7	7	
Wingwalls	X	X	
(Shape :)			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		7	7	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		6	6	About 1m3 rock has washed into barrel.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2740, Type: SP)				
Barrel Last Accessible Date	27-Aug-2012			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	7	
Measured Rise (mm)	2625			
Measured At Ring No.	5			
Sag (mm)	115			
Percent Sag	4			
Sidewall		7	7	
Measured Span (mm)	2800			
Measured At Ring No.	5			
Deflection (mm)	60			
Percent Deflection	2			
Floor		7	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
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				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			1N stagger.
Coating		6	5	Staining at bolts.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2740, Type: SP)				
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		N	X	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rating		7	7	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1830, Rise (mm): 1830, Type: BP, Cell Sequence: 1)				
Barrel Last Accessible Date	27-Aug-2012			East cell
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		6	6	Narrow tranverse cracks near SPCSP connector. Cracks are seeping.
Measured Rise (mm)	1738			
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		6	6	Narrow vertical cracking. Scaling/abrasion bottom half.
Measured Span (mm)	1831			
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		6	6	Concrete scaling on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		6	6	Separation between calls has been repaired with a steel plate on roof and outside wall.
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		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1830, Rise (mm): 1830, Type: BP, Cell Sequence: 1)					
Ponding (Y/N)	No				
Fish Passage Adequacy		4	4	Outfall of 400mm.	
Baffle		N	X		
(Type :)					
Waterway Adequacy		4	4	Large scour hole d/s.	
Icing (Y/N)	No				
Silting (Y/N)	No				
Drift (Y/N)	Yes				
Barrel General Rating		6	6		
Bridge Culvert Barrel					
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1830, Rise (mm): 1830, Type: BP, Cell Sequence: 2)					
Barrel Last Accessible Date	27-Aug-2012			West cell.	
Special Features					
Special Feature					
(Type :)					
Special Feature					
(Type :)					
Roof		6	6	Narrow transverse cracks in roof near SPCSP connection. Seeping.	
Measured Rise (mm)	1735				
Measured At Ring No.					
Sag (mm)					
Percent Sag					
Sidewall		6	6	Narrow vertical cracking. Scaling/abrasive wear.	
Measured Span (mm)	1830				
Measured At Ring No.					
Deflection (mm)					
Percent Deflection					
Floor		6	6	Scaling of floor & lower 600mm of wall BP.	
Bulge (mm)	0				
Measured At Ring No.					
Abrasion (Y/N)	Yes				
Circumferential Seams		6	6	Separation in seams have been repaired with steel plates on roof and outside wall.	
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		X	X		
Corrosion By Soil (Y/N)					
Corrosion By Water (Y/N)					
Camber POS/ZERO/NEG	ZERO				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1830, Rise (mm): 1830, Type: BP, Cell Sequence: 2)				
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Drop at outlet.
Baffle		X	X	
(Type :)				
Waterway Adequacy		4	4	Large scour hole d/s.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		6	6	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	6	
Collar		X	X	
Wingwalls		7	5	Minor spall/damage on NE corner.
(Shape :)				
Cutoff Wall		N	N	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	400			
Scour Protection		4	4	Inadequate scour protection. 20mx20mx1.5m scour hole d/s.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		4	4	Drop at outlet, large scour hole.
Beavers (Y/N)	No			
Downstream End General Rating		4	4	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		4	4	90 deg bends 20m u/s and d/s.
Bank Stability		4	4	Eroding bank D/S. Scour hole D/S.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		4	4	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector Comments	Department Comments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING							
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTOFF							
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	49.6/49.5	Est. Repl. Yr	2038	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			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	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	27-May-2014		Previous Inspection Date	04-Oct-2010			
Inspection Cycle (Default) (months)	21						
Comment							