

Bridge Culvert Inspection				
Bridge File Number	81509 N-2 Bridge Culvert		Form Type	CUL1
Year Built	2010		Lot No.	4
Bridge or Town Name			Inspector Name	Wade Nanninga
Located Over	TRIBUTARY TO WANDERING RIVER, 8.11.55.3.4, WATERCRS-ST		Inspector Class	BR CLS B
Located On	63:04 C1 24.514		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	04-Jul-2011
Legal Land Location	SE SEC 14 TWP 75 RGE 16 W4M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-112:22:09, 55:29:28		Data Entry Date	07-Sep-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA07		Review Date	15-Aug-2011
Clear Roadway/Skew	13.2 / -30 deg. (LHF)		Dept. Reviewer Name	Brent Herrick
AADT/Year	3,800 / 2010 (A)		Dept. Review Date	12-Sep-2011
Road Classification	RFD-412.4-130		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	MAIN	-	2700	MP	54	125X26	2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone		Gas	Crosses 50m North
Power		Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment		8	Near km 80.
Vertical Alignment		8	
Roadway Width (m)	13.200		
Embankment		8	
Sideslope (__:1)	5.0		
(Height of Cover(m) : 2)			
Guardrail (Y/N)	No		
Approach Road / Embankment General Rating		8	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
Direction	W		
End Treatment (Concrete, Steel, Others, None)	STEEL		
Headwall		X	
Collar		X	
Wingwalls		X	
(Shape :)			
Cutoff Wall		X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End			9	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection			9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			9	
Beavers (Y/N)	No			
Upstream End General Rating			9	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1 , Primary Span, Location Code: MAIN , Span (mm): , Rise (mm): 2700 , Type: MP)				
Barrel Last Accessible Date	14-Oct-2010			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof			9	
Measured Rise (mm)	2720			cl
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			9	
Measured Span (mm)	2650			cl
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			9	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams			9	
Separation (mm)				
Longitudinal Seams			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			9	Polymer over galv.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2700, Type: MP)				
Fish Passage Adequacy			8	
Baffle			X	
(Type :)				
Waterway Adequacy			8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			9	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			8	Bevel pushed in on South side.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection			9	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			9	
Beavers (Y/N)	No			
Downstream End General Rating			8	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			7	
Bank Stability			8	
HWM (m below Top of Culvert)				Not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating			7	

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) (%)	/100.0	Sufficiency Rating (Last/Now) (%)	/93.6	Est. Repl. Yr	2060	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			Previous Assistant's Name				
Next Inspection Date	04-Apr-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							