

Bridge Culvert Inspection				
Bridge File Number	06689 -1 Bridge Culvert		Form Type	CUL1
Year Built/Lined	1958/1983		Lot No.	1
Bridge or Town Name	BEISEKER		Inspector Name	Owen Salava
Located Over	TRIBUTARY TO ROSEBUD RIVER, 3.33.13, WATERCRS-ST		Inspector Class	BR CLS A
Located On	9:04 C1 0.029		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	31-Oct-2011
Legal Land Location	SW SEC 18 TWP 28 RGE 23 W4M		Data Entry By	Marcia Chavez
Longitude, Latitude	-113:14:22, 51:23:13		Data Entry Date	24-Nov-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	John O'Brien
Contract Main. Area	CMA29		Review Date	13-Nov-2011
Clear Roadway/Skew	32 / 0 deg.		Dept. Reviewer Name	Andrew Smikles
AADT/Year	1,950 / 2010 (A)		Dept. Review Date	25-Nov-2011
Road Classification	RAU-210-110		Follow-Up By	
Detour Length (km)	12			

Bridge Culvert Information								
Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN FULL LINER	-	1200	MP	57.8	68X13	2.8,2.8,2.8	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)				
Utility Attachments				
Telephone	In South ditch Hwy 9, West ditch Hwy 21.		Gas	
Power			Municipal	
Others			Problem (Y/N)	No
Remarks				

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	10m East of jct Hwys 9 & 21.
Vertical Alignment		7	7	
Roadway Width (m)	32.000			Includes accel/decel lanes.
Embankment		6	9	
Sideslope (__:1)	7.0			
(Height of Cover(m) : 3.5)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		7	7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		8	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		5	9	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	9	
Beavers (Y/N)				
Upstream End General Rating		5	9	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date	31-Oct-2011			(1600mm dia CSP liner in 2200mm MP. 16Feb2009). 1200 CSP possibly lining 1600.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N	8	
Measured Rise (mm)	1200			
Measured At Ring No.	6			
Sag (mm)	0			
Percent Sag	0			
Sidewall		N	8	
Measured Span (mm)	1200			
Measured At Ring No.	6			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	8	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	8	
Separation (mm)	0			
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		N	8	Some white staining on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1200, Type: MP)				
Fish Passage Adequacy		5	5	
Baffle		X	X	
(Type :)				
Waterway Adequacy		5	7	(Rocks/silt @ U/S end to 1/3 L, 400mm. 02/05/05).
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	8	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)		STEEL		
Headwall		7	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		4	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed		BELOW		
Above/Below (mm)	100			
Scour Protection		5	9	Extends into ditch armouring.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	9	
Beavers (Y/N)		No		
Downstream End General Rating		4	9	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	90 degree bend North U/S approx 200m. Culvert under Hwy 21.
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)		No		
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)		No		
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	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	2011	Remove from active inspection list.								
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	55.6/88.9	Sufficiency Rating (Last/Now) (%)	54.0/85.0	Est. Repl. Yr	2060	Maint. Req. (Y/N)	Yes			
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	Jason Saly	Previous Assistant's Name								
Next Inspection Date	31-Jul-2013	Previous Inspection Date	10-Mar-2010							
Inspection Cycle (Default) (months)	21									
Comment										

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	2011	Remove from active inspection list.	The department will conduct a hydrology study to determine flow rates. A decision to remove the bridge sized designation and active inspection list will then be determined.	2013		
OTHER ACTION						
OTHER ACTION						
OTHER ACTION						
Structural Condition Rating (Last/Now) (%)	55.6/88.9	Sufficiency Rating (Last/Now) (%)	54.0/85.0	Est. Repl. Yr	2060	Maint. Req. (Y/N) Yes
Special Comments for Next Inspection			Department Comments	A hydrology study will be conducted to determine if structure should be removed from BIS. DA		
Maintenance Reviewed By	Darron Ahlstedt		Date	02-Nov-2012	Estimated Total	0
Proposed Long-Term Strategy						
On 3-Year Program (Y/N)						
Proposed Action						
Previous Inspector's Name	Jason Saly		Previous Assistant's Name			
Next Inspection Date	31-Jul-2013		Previous Inspection Date	10-Mar-2010		
Inspection Cycle (Default) (months)	21					
Comment						