

Bridge Culvert Inspection										
Bridge File Number	84076 -1 Bridge Culvert				Form Type	CUL1				
Year Built	2011				Lot No.	4				
Bridge or Town Name	PEDESTRIAN UNDERPASS OF STONEY TRAIL (201) N OF NOSE HILL DR				Inspector Name	Garry Roberts				
Located Over	201:08 R1 3.587;201:08 L1 3.363				Inspector Class	BR CLS A				
Located On	PEDESTRIAN TRAIL;TRAIL-PED				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	06-Sep-2011				
Legal Land Location	NW SEC 4 TWP 25 RGE 2 W5M				Data Entry By	Anne Roberts				
Longitude, Latitude	-114:13:26, 51:06:32				Data Entry Date	16-Sep-2011				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey				
Contract Main. Area	DEERFOOT/STONEY				Review Date	08-Sep-2011				
Clear Roadway/Skew					Dept. Reviewer Name	Tim Davies				
AADT/Year	32,110 / 2010 (E)				Dept. Review Date	03-Oct-2011				
Road Classification					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	4470	4100	SPE	61.7	152X51	3.0	ARCH		
Special Features										
Special Features Comment										
Posting Information										
Required Vert. Clearance Posting (m)										
Posted Vertical Clearance (Y/N)	No									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)	In Advance (Y/N)
Remarks	Not Req'd									
Utilities (Located at)										
Utility Attachments										
Telephone					Gas					
Power	Crosses North				Municipal					
Others	Light Standards				Problem (Y/N)	No				
Remarks										
Approach Road / Embankment										
				Last	Now	Explanation of Condition				
Horizontal Alignment					6	Curves both ends				
Vertical Alignment					6	On grade North				
Roadway Width (m)	30.000					Estimate				
Embankment					7	West =1.2 m East =2.1 m				
Sideslope (__:1)	3.0									
(Height of Cover(m) : 1.7)										
Guardrail (Y/N)	Yes					Concrete barriers both sides				
Approach Road / Embankment General Rating					6					
Upstream End										
Culvert Component				Last	Now	Explanation of Condition				
Direction					W	West end City file # 1719				
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall					8					

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar			8	Safety fence on both collars.
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection			X	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			X	
Beavers (Y/N)	No			
Upstream End General Rating			8	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 4470, Rise (mm): 4100, Type: SPE)				
Barrel Last Accessible Date	06-Sep-2011			
Special Features				
Special Feature				Asphalt floor
(Type :)				
Special Feature				
(Type :)				
Roof			8	Roof plates are 6N - 9N staggered
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	20			Estimate
Percent Sag				
Sidewall			8	Sidewall plates are 5N - 9N with no stagger.
Measured Span (mm)	4475			R1 = 4470 mm R14 = 4465 mm
Measured At Ring No.	7			
Deflection (mm)	5			
Percent Deflection	0			
Floor			X	ACP floor covering culvert floor
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams			8	
Separation (mm)	0			
Longitudinal Seams			8	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				3N stagger at roof seams only
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 4470, Rise (mm): 4100, Type: SPE)				
Coating			8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			X	
Baffle			X	
(Type :)				
Waterway Adequacy			X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			8	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		East end
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall			8	
Collar			8	Safety rail on both sides
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection			X	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			X	
Beavers (Y/N)	No			
Downstream End General Rating			8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			N	
Roadway Surface			8	
(Type : ACP)				
Icing (Y/N)	No			
Traffic Safety Features			X	
Type				

Structure Usage				
		Last	Now	Explanation of Condition
Lighting			X	
Barrel Leakage (Y/N)	No			
Drainage			8	
Structure In Use (Y/N)	Yes			
Grade Separation General Rating			8	

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) (%)	/88.9	Sufficiency Rating (Last/Now) (%)	/88.4	Est. Repl. Yr	2065	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	06-Jun-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							