					Bridg	e Culve	ert Inspe	ction						
Bridge File Number 77100 -1 Bridge Culvert							Form T			CUL1				
Year Built							71			4				
Bridge or Town Name DUAGH										Shane Hall				
Located Over TRIBUTARY TO NORTH SASKA					АТСНІ	EWAN				BR CLS A				
RIVER, 6.71, WATERCRS-ST							Assistant Name							
Located On 37:04 C1 18.130							Assistant Class							
Water Body CI./									13-Dec-2011					
Navigabil. CI./Ye							Data Entry By			Theresa Lacusta				
Legal Land Location SW SEC 4 TWP 55 RGE 23 W4N					M		Data Entry Date			29-Jan-2012				
Longitude, Latitude -113:21:58, 53:42:58							Reviewer Name			Eric Carcoux				
Road Authority Alberta Transportation (AIT)							Review Date			19-Jan-2012				
Contract Main. Area CMA09							Dept. Reviewer Name							
Clear Roadway/Skew 10 / 44 deg. (RHF)									02-Feb-2012					
AADT/Year		5,620/2	0 / 2010 (A)					Uр Ву						
Road Classificat	tion	RAU-20	209-110											
Detour Length (6												
Bridge Culvert														
Number of Culv			1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		- 3050			SP		42.7		152X51		ROUND		
				3030		51		42.1		132731	3.0,3.0,3.0	ROOND		
Special Features Special Features Comment														
Special realure	S COIII	nem												
					Uti	lities (L	ocated	at)						
Utility Attachme	nts													
Telephone South r/w & North r/w.							Gas							
Power	2 wire	es OH North r/w.					Municipal							
Others	File ta	ig at Nor	th end.				Problem (Y/N) No							
Remarks		-												
				A	oproad	ch Road	d / Emba	nkment						
						Now	Explanation of Condition							
Horizontal Alignment					7	7	Residential access to East & West.							
Vertical Alignment					8	8								
						6:1 ove	6:1 over pipe, 4:1 approaches.							
							_							
Roadway Width	(m)		9.000											
Embankment					8	8								
Sideslope (·1)		4.0		0	0								
(Height of Cov		0.7)	J.T.											
Guardrail (Y/N)			No											
Approach Road / Embankment General Rating				7	7									
Culture t C							am End	ation of	0	tion				
Culvert Component			Last	Now	Explan	ation of (Condi	lion						
Direction			N		-									
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall			8	8										
Collar					8	8								

Alberta Transportation

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls		Х	X						
(Shape :)			-						
Cutoff Wall		N	N						
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	750								
Scour Protection		8	8						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Upstream End General Rating		8	8						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 3050, Type: SP)					
Barrel Last Accessible Date	13-Dec-2011		-						
Special Features									
Special Feature (Type :)									
Special Feature									
(Type :)									
Roof		N	N	Ice on floor - could not measure					
Measured Rise (mm)			IN						
Measured At Ring No.				No sag apparent.					
Sag (mm)									
Percent Sag	2								
Sidewall	-	N	8						
Measured Span (mm)	2996		-						
Measured At Ring No.	6			Negative deflection.					
Deflection (mm)	21								
Percent Deflection	2								
Floor		N	N	Covered with ICE.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams			8						
Separation (mm)	0								
Longitudinal Seams		N	8						
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								
Coating		7	7						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77100 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel					
Culvert Component		1	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):	, Rise (mm): 3050, Type: SP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy			8						
Baffle		N	N						
(Type :)									
Waterway Adequacy		8	8	Partial beaver dam near centerlinephoto					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	Yes								
Barrel General Rating		N	8						
		D	ownst	ream End					
Culvert Component			Now	Explanation of Condition					
Direction	I	S		-					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		X	X						
Collar		X	Х						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		8	8	Bend of SW bevel edge.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	750								
Scour Protection		8	8	-					
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 350)									
Scour/Erosion		8	8						
Beavers (Y/N)	No								
Downstream End General Ration	ng	8	8						
		s	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		8	8	HWM not visible.					
Bank Stability		8	8						
HWM (m below Top of Culvert)				_					
Drift (Y/N)	Yes								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

Maintenance Recommendations													
Inspector Recommendations		Year Inspector Comments					Department Com	nment	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTC	FF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)		55.6/88.9		Sufficiency Rating (Last/Now) (%)		w) (69.3/87.3		st. Repl. Yr 2044		Maint. Reqd. (Y/N		No
Special Comments for Next Inspection							Department Comments						
Maintenance Reviewed By							Date			E	Estimated Tota	I 0	
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Arn		Arnold Assenheimer P				revious Assistant's Name							
Next Inspection Date 13		13-Sep-2013 P				revious Inspection Date 16-Mar-2010							
Inspection Cycle (Default) (months) 21													
Comment													