					Brida	e Culve	ert Inspe	ection					
Bridge File Num	her	08098 -1	Bridge Culve	rt	Dilleg	C Gaire	Form T			CUL1			
Year Built		1954	Briago Gaivo	1.			Lot No.			2			
Bridge or Town	Name		MT HOU					or Name	<u> </u>	Owen Salava			
Located Over				TH SASK	ATCHEWAN		Inspector Class		BR CLS A				
			6.158, WATER				Assistant Name						
Located On		752:04 C	21 34.218				Assista	sistant Class					
Water Body Cl./						Inspection				09-Feb-2012			
Navigabil. Cl./Ye							Data E	ntry By		Marcia Chavez			
Legal Land Loca			22 TWP 39 F	RGE 7 W5	5M			ntry Date	)	06-Mar-2012			
Longitude, Latitu	ude		14, 52:22:20				Review	er Name	)	John O'Brien			
Road Authority			Transportation	(AIT)			Review	Date		22-Feb-2012			
Contract Main.		CMA18					Dept. R	Reviewer	Name	Andrew Smikl	es		
Clear Roadway/Skew 9.8 / AADT/Year 2,070 / 2010 (A)							Dept. R	Review Da	ate	09-Mar-2012			
,						Follow-	Up By						
Road Classification RCU-209-110			9-110										
Detour Length (km) 5  Bridge Culvert Information													
Number of Culv		1		Dica (a-	Dic \	Tyma		Longth		Corr Drofile	DI /Clab	Chana	
Pipe #	Barrel	Span Rise (or		טומ.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN - 1800		SP			32.9		152X51	2.8	ROUND			
Special Features													
Special Feature	s Comr	ment											
Living Association					Uti	ilities (L	ocated	at)					
Utility Attachme							0		1				
Telephone		est of cen		1			Gas	1					
Power			m from centre			7	Municip		NI-				
Others	West	ilne runni of c/l.	ng @ right and	gies throu	ign cui	vert /m	Probler	n (Y/N)	No				
Remarks													
				Α	pproac	ch Road	d / Emba	ankment					
					Last	Now	Explan	ation of	Condi	tion			
Horizontal Align					6	6	600m fi	rom jct. S . intersec	SR 752	& Hwy. 11A			
Vertical Alignme					7	7	49 AVE	. IIILEISEC	JUI 20	//// IN.			
Roadway Width	(m)		8.500										
Embankment					4	4	Fragion	at NM c	corner				
Sideslope (	:1)		1.0		-	7	Erosion at NW corner.						
(Height of Cov		2.5)					1						
Guardrail (Y/N)	()		No				Wooden handrails W side only.						
			1				vvooden nandralis vv side only.						
Approach Road	d / Emb	bankmen	t General Rat	ing	4	6							
						Unstra	am End						
Culvert Compo	nent				Last	Now		ation of	Condi	tion			
Direction					E		_Apiuli		Julian				
End Treatment	(Concre	ete, Steel	STEEL		_		1						
Others, None)	, - 3. 1010	, 2.001	, = : ===										
Headwall					X	X							
Collar					X	X							
Wingwalla					X								
Wingwalls					Ι Χ	X	-						
(Shape : ) Cutoff Wall					Х	X							
Outon Wall					^	^							

Alberta Transportation

200 ABOVE 250 No	4 4 Brit	Now   4   4   4	Explanation of Condition  Bottom of bevel 100mm above streambed - photo.  Minor erosion around bevel due to heaving.
ABOVE 250	4 4 Brit	4	Bottom of bevel 100mm above streambed - photo.
ABOVE 250	4 4 Brid	4	
ABOVE 250	4 4 Brid	4	Minor erosion around bevel due to heaving.
250 No	4 4 Brid	4	Minor erosion around bevel due to heaving.
No	4 4 Brid	4	Minor erosion around bevel due to heaving.
	4 4 Brid	4	Minor erosion around bevel due to heaving.
	4 Brid		Minor erosion around bevel due to heaving.
	4 Brid		Minor erosion around bevel due to heaving.
	4 Brid		Minor erosion around bevel due to heaving.
	Brid	4	
on Code: MAIN. Sna	Brid	4	
on Code: MAIN. Sna			
on Code: MAIN. Sna		dge Cu	Ilvert Barrel
on Code: MAIN. Sna	Last	Now	Explanation of Condition
pu	n (mm	1):	, Rise (mm): 1800, Type: SP)
09-Feb-2012			Water line runs N/S through the two sides of the culvert at the D/S end.
	4	4	Unable to measure due to ice.
			A dozen bolts missing nuts - minor.
			(02/06/28) Heavy rock deposit throughout floor. 06Sep2005).
70			
	4	4	(Tears in pipe near D/S end - photo. 2.5m from end. Construction
 1860			damage. 06Sep2005).
1000			Midspan.
50			
			2.8%
,	1	N.I	(4 gogtion hulgged 150mm, Clight can @ 5:00 access where hidered
50	4	IN	(1 section bulged 150mm. Slight gap @ 5:00 seam where bulged - photo.
Bulge (mm) 50 Measured At Ring No.			Bolts missing. 06Sep2005) - Ice covered.
\ <u></u>			-
NO			   <b>.</b>
	4	4	Missing some nuts.
<u>/U</u>			<u> </u>
	3	N	(Missing some nuts - photo. 06Sep2005) - Below ice.
)			
No			
Yes			
	5	5	Superficial rust.
Yes			
Yes			
			Looks like neg due to bevel heaving.
	70 1860 50 3 50 No 70 No 70 Yes	09-Feb-2012  4  70  4  1860  50  3  4  70  3  No  70  3  No  7es  7es  7es	09-Feb-2012  4 4  70  4 1860  50  3

		Brid		Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1800, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Perched outlet.
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	5	Previously ran full.
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		3	3	GR carried forward from 06Sep2005.
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls			Х	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		5	5	
Heaving (mm)	120			
Invert Above/Below Stream Bed	ABOVE			Bevel perched.
Above/Below (mm)	1000			
Scour Protection		4	4	
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		4	4	Scour around D/S end of culvert.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	4	
				re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S) Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				Previously ran full.
Drift (Y/N)	Yes			Drift caught on top of waterline through pipe.
Channel Bottom Degrading/Aggrading				Unknown.
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

Inspector Recommendations			Maintenance Recommendations	commenda	ions					
	Year	Inspector	Inspector Comments	_	Department Comments	ments	_	Target Year	Est. Cost	Cat#
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP	2012	Armour b	Armour both bevels, 30m3 CL1.							
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION	2012	Repair N	Repair NW embankment erosion.							
OTHER ACTION	2012	Patch tea	Patch tears in sidewalls (2), if not yet done.	done.						
OTHER ACTION	2012	Install nu done.	Install nuts on bolts where missing, if not yet done.	not yet						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)	w) 33.3/33.3	.3	Sufficiency Rating (Last/Now) (%)		26.3/36.3	Est. Repl. Yr	2015	Maint. Reqd. (Y/N)		Yes
Special Check bulge near d/s end. Comments for Next Inspection	s end.				Department Comments					
Maintenance Reviewed By					Date		Es	Estimated Total	0	
Proposed Long-Term Strategy	2004.05.29 Structure should be ok	ucture sho	ould be ok until 2014. Monitor on normal BIM	on normal F	3IM.					
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam			Previous As	Previous Assistant's Name					
Next Inspection Date	09-May-2015			Previous In	Previous Inspection Date	06-Sep-2005				
Inspection Cycle (Default) (months)	39									
Comment										

				Mainten	ance Recommend	dations					
Inspector Recommendations	Y	'ear	Inspector (	Comments		Department C	Comments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP	20	012	Armour bo	th bevels, 30m3	CL1.	Programmed			2013		
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION	20	012	Repair NW	/ embankment er	osion.	Defer, Low pr	iority @ outlet				
OTHER ACTION	20	012	Patch tears	s in sidewalls (2)	, if not yet done.	Programmed			2013		
OTHER ACTION	20	012	Install nuts on bolts where missing, if not yet done.		missing, if not yet	Programmed			2013		
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 33	3.3/33.		ufficiency Ratin	g (Last/Now)	26.3/36.3	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Check bulge near d/ Comments for Next Inspection	s end.		·			Department Comments	Currently programm	ed to be	replaced in 202	22.	
Maintenance Reviewed By	Andrew S	Smikles	3			Date	31-Oct-2012		Estimated Tota	ıl 0	
Proposed Long-Term Strategy 2	2004.05.2	.29 Stru	ıcture shou	ld be ok until 201	4. Monitor on norn	nal BIM.					
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lar	m			Previous	Assistant's Nar	ne				

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation

08098 -1 Bridge Culvert

Next Inspection Date	09-May-2015	Previous Inspection Date	06-Sep-2005
Inspection Cycle (Default) (months)	39		
Comment			