					Drido	ıo Cuby	ert Inspec	otion					
Dridge File Nor		70400 4	Duides Culus	t.	Briag	je Culve				CULE			
Bridge File Number 73423 -1 Bridge Culvert  Year Built 1959						Form Ty	ре						
Bridge or Town Name HIGH PRAIRIE						Lot No.		2					
	ı wame			F0.7.40	\^/^ TC	DODO	Inspector Name		Brian Pientsch				
Located Over	CREEN, 6.10	REEK, 8.10.58.7.10, WATERCRS-				Inspector Class Assistant Name		BR CLS A Clem Guenette					
Located On 2A:54 C1 18.271							Assistant Class		BR CLS B	. <del>C</del>			
Water Body Cl./Year						Inspection Date							
Navigabil. Cl./Year						Data Entry By		12-Dec-2012 Theresa Lacusta					
Legal Land Location SW SEC 2 TWP 75 RGE 20 W5				5M		Data Entry Date			13-Jan-2013				
Longitude, Latitude -116:59:37, 55:27:42							Reviewer Name		Eric Carcoux				
Road Authority	ransportation	neportation (AIT)				Review Date		09-Jan-2013					
Contract Main.	Area	CMA06						Dept. Reviewer Name			ın .		
Clear Roadway	//Skew	10.8 / -1	5 deg. (LHF)				Dept. Re			18-Mar-2013			
AADT/Year		730 / 20	11 (A)				Follow-L		aic	10 Wai 2010			
Road Classifica	ation	RAU-210	D-110				] Ollow-C	р Бу					
Detour Length	(km)	6											
Bridge Culver	t Inform	ation											
Number of Cul	verts	1											
Pipe #	Barrel	8	Span	Rise (or	Dia.)	Туре	l	_ength		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		2552		SP		120.14		152X51	4.8	ROUND	
1	D/S	-		2743		SP		21.6		152X51	3.0	ROUND	
Special Feature	es						<u> </u>						
Special Feature		ment											
·													
					Ut	ilities (L	Located a	ıt)					
Utility Attachme	ents						1		1				
Telephone							Gas						
Power 3 wire O/H along North ditch.						Municipa							
Others							Problem	(Y/N)	No				
Remarks													
				A			Explana			tion			
Horizontal Aligi	omont				Last 7	Now 7	Explana	ition or	Conai	tion			
Vertical Alignm					6			0					
vertical Alignin	ent				0	6	Sag curv	Sag curve.					
Roadway Widtl	h (m)		10.800										
Embankment					3	3	Slumped	Slumped (30m wide x 25 m long) 3m from guardrail.					
Sideslope (	:1)		4.0		3	J J	North en	North embankment.					
(Height of Co		20)	1.0										
Guardrail (Y/N)		20)	Yes										
Approach Roa	ad / Eml	oankmen	t General Rat	ing	3	3							
							eam End						
Culvert Comp	onent				Last	Now	Explana	tion of	Condi	tion			
Direction End Treatment	(Concre	ete, Steel	, CONCRETE		N								
Headwall	Others, None) Headwall				6	6							
Collar			N	N	Snow co	Snow covered.							
Wingwalls	Mingwalls				X	X							
(Shape : )													

73423 -1 Bridge Culvert

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	NOW	Explanation of Condition
Cuton Wan		.,	'`	
Bevel End		5	N	Couldn't tell due to snow cover.
Heaving (mm)	200			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	N	(Inadequate protection. May 5, 2009)
(Type : <b>NONE</b> )				Under snow.
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	(Slumping on E. side. May 5, 2009) Under snow.
Beavers (Y/N)	Yes			Dam on bevel.
Upstream End General Rating		4 4		GR carried forward.
		-5.	dae e	hort Borrol
Culvert Component			Now	Explanation of Condition
	tion Code: MAIN S			
(Pipe # : 1, Primary Span, Loca		span (mm	1):	, Rise (mm): 2552, Type: SP)
Barrel Last Accessible Date	12-Dec-2012			
Special Features		'		
Special Feature				
(Type:)				
Special Feature				
(Type:)		<u> </u>		
Roof		6	6	
Measured Rise (mm)	2473			
Measured At Ring No.	16			
Sag (mm)	79			
Percent Sag	3			
Sidewall		5	5	Minor construction damage at 3 o'clock - ring 16.
Measured Span (mm)	2421			
Measured At Ring No.	16			
Deflection (mm)	131			
Percent Deflection	5			
Floor		5	5	
Bulge (mm)	0			1
Measured At Ring No.	16			
Abrasion (Y/N)	Yes			
Circumferential Seams		6	6	
Separation (mm)	0			1
Longitudinal Seams		5	5	
Total No. of Cracked Rings	0			1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N Stagger
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating	. 55	4	4	Pitting rust lower 1/3 Alkaline deposits through roof bolts.
Corrosion By Soil (Y/N)	Yes	4	-	Thung rust lower 1/3 Airailile deposits tillough 1001 bolts.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

73423 -1 Bridge Culvert

		Ivert Barrel		
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2552, Type: SP)
Ponding (Y/N) No				
Fish Passage Adequacy		6	6	
Baffle		Х	N	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		Bric	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: D/S, Span			Rise (mm): 2743, Type: SP)
Barrel Last Accessible Date	12-Dec-2012			2238mm ice to roof
Chariel Factures				
Special Features Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
	2742	0	0	
Measured Rise (mm)  Measured At Ring No.	3			Est, unable to measure due to ice.
Sag (mm)	1			
Percent Sag	0			
Sidewall	0	7	7	
Measured Span (mm)	2754	/		
Measured At Ring No.	3			
Deflection (mm)	11			
Percent Deflection	0			
Floor		7	N	Ice on floor
Bulge (mm)	0	-		
Measured At Ring No.	3			
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	
Total No. of Cracked Rings 0				
Total No. of Rings with Two				
Cracked Seams				1N Stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N) Yes				
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Superficial corrosion lower 1/3.
Corrosion By Soil (Y/N) No				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	lae Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: D/S, Span			Rise (mm): 2743, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		6	6					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel Extension General Ratin	ıg	7	7					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		X	X					
Wingwalls			X					
(Shape: )		V	V					
Cutoff Wall		X	X	D (: 1				
Bevel End		7	7	Rating based on 50% visibility.				
Heaving (mm)	0							
Invert Above/Below Stream Bed BELOW								
Above/Below (mm) Scour Protection	150	N	N.	Under snow.				
(Type : RIP RAP)		IN	N	Onder show.				
(Avg. Rock Size(mm) : <b>250</b> )								
Scour/Erosion		N	N	Under snow.				
	No	I N	"	Officer show.				
Beavers (Y/N)	INO							
Downstream End General Ratio	ng	6	6	GR carried forward.				
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		4						
Alignment			4					
				u/s channel enters inlet from the west side approx 45 deg.				
Bank Stability			4	Cut bank on west side of outlet, D/S. Banks sloughing d/s. Evident through snow.				
HWM (m below Top of Culvert)				4.5m above top of culvert.				
Drift (Y/N) Yes				Debris @ u/s end.				
Channel Bottom Degrading/Aggrading  DEGRADING								
Beavers (Y/N)	Yes							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		4	4					

ı	Structure Usage							
		L	Last	Now	Explanation of Condition			
_								

		Maintenance R	ecommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							90000		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION	2013	Beaver dam u/s bevel.							
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION	2013	Repair North embankment.							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N	low) 55.6/55	55.6/55.6 Sufficiency Rating (Las (%)		49.5/49.4	Est. Repl. Yr	2015	2015 Maint. Re		Yes
Special Monitor erosion d/s Comments for Next Inspection	5.			Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsch		Previous	Assistant's Name	Lisbeth Medir	na			
Next Inspection Date	12-Sep-2014		Previous	s Inspection Date 26-Jan-2011					
Inspection Cycle (Default) (months)	21								
Comment									