Bridge File Number Year Built Bridge or Town Nature Located On Water Body Cl./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/Sl AADT/Year Road Classification Detour Length (km	ame BREM POINT WATE 21:28 ear on NW SI le -113:1 Alberta	E-AUX-PINS CI RCRS-ST L1 19.782;21:28	rt REEK, 6.72		e Culve	Form Ty Lot No.			CULE 2			
Year Built Bridge or Town Nature Located On Water Body Cl./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/Sl AADT/Year Road Classification Detour Length (km	ame BREM POINT WATE 21:28 ear on NW SI le -113:1 Alberta	NER E-AUX-PINS CI RCRS-ST L1 19.782;21:28	REEK, 6.72	,		Lot No.	pe					
Bridge or Town Nature Located On Water Body Cl./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/Sl AADT/Year Road Classificatio Detour Length (km	POINT WATE 21:28 ear on NW SI le -113:1 Alberta	E-AUX-PINS CI RCRS-ST L1 19.782;21:28		,					2			
Located Over Located On Water Body CI./Yea Navigabil. CI./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Ard Clear Roadway/SI AADT/Year Road Classificatio Detour Length (kn	POINT WATE 21:28 ear ur on NW SI le -113:1 Alberta	E-AUX-PINS CI RCRS-ST L1 19.782;21:28		,		Inspecto						
Located On Water Body CI./Yea Navigabil. CI./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/SI AADT/Year Road Classificatio Detour Length (kn	ear son NW SI le -113:1	RCRS-ST L1 19.782;21:28		,		Inspector Name		Shane Hall				
Water Body CI./Yea Navigabil. CI./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/SI AADT/Year Road Classificatio Detour Length (km	ear on NW SI le -113:1 Alberta		R1 19.774			Inspector Class Assistant Name		BR CLS A				
Navigabil. CI./Yea Legal Land Locati Longitude, Latitud Road Authority Contract Main. Ard Clear Roadway/SI AADT/Year Road Classificatio Detour Length (km	on NW SI le -113:1 Alberta	=C 21 TWD 52 F				Assistant Class						
Legal Land Locati Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/SI AADT/Year Road Classificatio Detour Length (kn	on NW SI le -113:1 Alberta	EC 31 TWD 53 F					Inspection Date 04-Jan-2013					
Longitude, Latitud Road Authority Contract Main. Are Clear Roadway/SI AADT/Year Road Classificatio Detour Length (km	le -113:1 Alberta	C 31 T\ND 52 F					Data Entry By Theresa Lacusta					
Road Authority Contract Main. Are Clear Roadway/Sl AADT/Year Road Classificatio Detour Length (kn	Alberta	EC 31 TWP 53 RGE 22 W4M				Data Ent			22-Jan-2013			
Contract Main. Are Clear Roadway/Sl AADT/Year Road Classificatio Detour Length (kn		14:45, 53:37:28				Reviewe			Eric Carcoux			
Clear Roadway/Sl AADT/Year Road Classificatio Detour Length (kn		ta Transportation (AIT)							10-Jan-2013			
AADT/Year Road Classificatio Detour Length (kn	ea CMA0					Review Date Dept. Reviewer Name						
AADT/Year Road Classificatio Detour Length (kn	kew 23.8 /	-8 deg. (LHF)			·							
Detour Length (km) / 2011 (A)			Dept. Review Date			23-Jan-2013				
Detour Length (km		12.4-120				Follow-U	р ву					
Number of Culver		1										
Pipe # Ba	arrel	Span	Rise (or Di	ia.)	Туре	L	Length		Corr. Profile	Pl./Slab Thickness	Shape	
1 U/	/S	2610	2877		SPE	81.1			152X51	4.0	ELLIPSE	
	AIN	3800	1900		BP		71		1027.01	1.0	RECTANGLE	
Special Features	/ WI V	STORM WATE		BAR					<u> </u>		INCOTATION	
Special Features	Comment	OTOTAL WATER	in Dio int,	<i>D</i> , ((\								
oposiai i sataros s	001111110111											
				Uti	lities (L	Located a	at)					
Utility Attachments	s											
Telephone												
Power	OH power, one line in E row.					Municipa	al					
Others						Problem	(Y/N)	No				
Remarks												
			App	oroac	ch Road	d / Embar	nkment					
			L	ast	Now	Explana	tion of	Condi	tion			
Horizontal Alignmo	ent			8	8		Intersection 150 m North. Crest curves both ways.					
Vertical Alignment	t			7	7	Crest curves both ways.						
Roadway Width (r	m)	23.800										
Embankment				4	4	Trasverse cracks in ACP. Both lanes. Ditch erosion at NE corner						
Sideslope (:1))	3.0				1.0m x 1	1.0m x 1.0m x 15m. Ditch erosion in SW, 20m x 5m x 2m, not affecting culvert17-Mar-2011					
(Height of Cover	<u>, </u>	0.0				affecting	culvert.	-17-Ma	ar-2011			
Guardrail (Y/N)	. (111) . 0)	Yes										
Approach Road /	/ Embankm		ing	7	7							
Approach Roau /	EIIIDAIIKIII	eni General Kal	ing	-								
Culvert Comme	o m t					eam End	diam of	Ca1'	llon			
Culvert Component				.ast	Now		ition of	Condi	tion			
End Treatment (C Others, None)	oncrete, Ste	el, CONCRETE	<u> </u>)		SPCSP						
Headwall				X	Х							
Collar				N	N	Snow covered						
Wingwalls				Х	X							
vvirigwalis												

00126 -1 Bridge Culvert

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End		7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300		1	
Scour Protection		N	N	Rock riprap washed into bevel.
(Type : RIP RAP)				Erosion from ditch going 0.3m under concrete collat May 2009 Snow covered
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Upstream End General Rating		4	4	GR carried fwd.
		- Duit	las Co	hort Borrol
Culvert Component				Explanation of Condition
Cuivert Component (Pipe # : 1, Primary Span, Loca	tion Code: II/S Sec			
Barrel Last Accessible Date	17-Mar-2011	an (IIIII):	2010, 1	Only accessible to 10m South of elbow due to thin ice.
Dantel Last Accessible Date	17-IVIa1-2011			Orny accessible to Torri South of elbow due to thin ice.
Special Features				
Special Feature		5	N	
(Type : STORM WATER DRAI	N)			
Special Feature		5	N	
(Type : BARREL ELBOW)				
Roof		7	N	Ice on floor rise not measured.
Measured Rise (mm)	2890			Shape looks good.
Measured At Ring No.	9			
Sag (mm)	13			
Percent Sag	1			
Sidewall		7	N	
Measured Span (mm)	2640			
Measured At Ring No.	2			
Deflection (mm)	30			
Percent Deflection	1			
Floor		6	N	Ice covered
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	N	
Separation (mm)	0			
Longitudinal Seams		6	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating	-	5	N	Scaling rust on welds @ manhole and superficial rust on welds on
Corrosion By Soil (Y/N)	No	3	14	elbow11-Mar-2011
Corrosion By Water (Y/N)	Yes			Superficial rust along bottom 1/411-Mar-2011
Camber POS/ZERO/NEG	ZERO			

		Brio	lge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	2610, F	Rise (mm): 2877, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	No			Rock in barrel.
Silting (Y/N)	No			Nock in barrer.
Drift (Y/N)	Yes			
Barrel Extension General Ratir	ng	7	N	GR was '7' on 17-Mar-2011
		Bric	de Cu	 vert Barrel
Culvert Component				Explanation of Condition
-	tion Code: MAIN. Spa			Rise (mm): 1900, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	17-Mar-2011	(,	Twin cell concrete box.
Barror East / toodsolble Bate	77 18101 2011			Not accessible due to thin ice in SPCSP and blocked outlet due to icing.
Special Features				
Special Feature				Drift/debris caught in box-photo-11-Mar-2011
(Type:)				
Special Feature				
(Type:)				
Roof		7	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7	N	
Measured Span (mm)	1823			
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		Х	X	
Separation (mm)	0			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		Х	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			

		Brid	ige Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1900	, Rise (mm): 1900, Type: BP, Cell Sequence: 1)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	Yes			Drift caught in transition11-Mar-2011
Silting (Y/N)	No			Jane Gaagh in transition. 11 Mai 2011
Drift (Y/N)	Yes			
Barrel General Rating		7	N	GR was '7' on 17-Mar-2011
Culvert Component				Ivert Barrel
Culvert Component	tion Codo: MAIN Sna			Explanation of Condition , Rise (mm): 1900, Type: BP, Cell Sequence: 2)
		11 (111111). 1900	
Barrel Last Accessible Date	17-Mar-2011			North cell-extension
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	N	
Measured Rise (mm)	1825			
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		4	N	Wide crack North wall 10m from transition. Freeze-thaw damage @
Measured Span (mm)	1825			end11-Mar-2011 Honeycombed concrete and spalls along base of wall at d/s end
Measured At Ring No.				photo-11-Mar-2011
Deflection (mm)				
Percent Deflection				
Floor	1	N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No		1	
Circumferential Seams	I	4	N	Crack at construction joints.
Separation (mm)			1	
Longitudinal Seams	I	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)			1	
Coating		Х	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

		Brio	dge Cul	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1900	, Rise (mm): 1900, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	N	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	Yes			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	GR caried over from 17-Mar-2011
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		4	4	Exposed rebar with wide cracks/spalls.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	N	Snow covered
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	4	
		s	tructur	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Stream parallels toe of sideslope on U/S end. Some sharp bends D/S of culvert.
Bank Stability		4	4	Vertical banks at D/S end.
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		4	4	

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·							
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION	2013	Remove drift in BP near transition	, if not done.						
INSTALL CONCRETE/STEEL LINING	G								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	st/Now)	48.2/48.0	Est. Repl. Yr	2029	Maint. Re	qd. (Y/N)	Yes		
Special Monitor concrete do Next Inspection	leterioration on c	/s end.		Department Comments					
Maintenance Reviewed By				Date		Е	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Todd Warshav	vski	Previous	Assistant's Name					
Next Inspection Date	Next Inspection Date 04-Oct-2014 Previous			Inspection Date	17-Mar-2011				
Inspection Cycle (Default) (months)	21								
Comment									