Dridge File Nue	abor	70204	1 Dridge Culve	rt	ыцу	e Cuive							
Bridge Flie Number 7		70281 -1 Bridge Culvert					Form Type			CULE			
	1971	1971							2				
Bridge or Town	Name	EDMO	/ONTON				Inspector Name		Kris Bosters				
Located Over		MILL C	L CREEK, 6.90, WATERCRS-ST				Inspector Class			BR CLS A			
Located On		14:04 F	14 R1 6.195;14:04 L1 5.621					Assistant Name		Brian Cote			
Water Body Cl.	/Year							nt Class					
Navigabil. Cl./Y	'ear							on Date		09-Jan-2013			
Legal Land Loc	ation	NE SE	EC 35 TWP 51 RGE 23 W4M					Data Entry By Theresa Lacusta					
Longitude, Latitude -113:1			.16:16, 53:26:48					try Date		16-Jan-2013			
Road Authority Alb		Alberta	Transportation			Reviewer Name		Eric Carcoux					
Contract Main. Area CI		CMA09					Review Date		09-Jan-2013				
Clear Roadway/Skew 26 /		26 / -28	5 / -28 deg. (LHF)				Dept. Reviewer Name			Paul Catt			
AADT/Year 12,940			/ 2011 (A)				Dept. Review Date		18-Jan-2013				
Road Classifica	ation	RAD-4	12.4-120				Follow-l	Follow-Up By					
Detour Length	(km)	1											
Bridge Culvert	Inform	ation											
Number of Culv	/erts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	U/S		-	2400		SP		4.5		125X26	2.8	ROUND	
1	MAIN		-	1829		СР		75				ROUND	
1	D/S		-	2400		SP		4.5		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comr	ment	BF tag not loca	aterd due	to sno	w/ice.							
					Uti	lities (L	located a	at)					
Telephone	South		i f/w.				Gas						
Power	ir 2 lines N/S.					Drahlar		Na					
Demortes						Problem	1(1/N)	INO					
Remarks	-			٨	oprog	b Boar	d / Emba	nkmont					
					Last	Now	Fynlana	ation of	Condi	tion			
Horizontal Alian	ment				6	6	Under RR 231 intersection. Crest curve to west, 4 lanes.						
			7	7									
Roadway Width	n (m)		26.000				Total EF	3 & WB					
	. ()		20.000		-	-							
Embankment			5.0		1	1							
Sidesiope (<u>.</u>)	4.5	5.0				-						
(Height of Co	ver(m) :	1.5)	NI										
Guardrail (Y/N)			No										
Approach Roa	d / Emb	bankme	ent General Rat	ing	6	6							
						Upstrea	am End						
Culvert Component			Last	Now	Explana	ation of	Condi	tion					
Direction					N								
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall			Х	X									
Collar				Х	Х								
Wingwalls				Х	X								
(Shape:)						1							
/													

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall			Х							
Bevel End		8	N	Snow covered						
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm)	500									
Scour Protection	1	N	N							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		N	N							
Beavers (Y/N)	eavers (Y/N) No									
Upstream End General Rating		7	7	GR carried forward.						
		Drideo								
Culvert Component		Brid	ige Cu	Vent Balfel						
(Dipo # : 1 Primary Span Loast	tion Code: U/S. Snan			Explanation of Condition						
Remel Lost Assessible Date		(mm):	, F	las te enringline						
Barrel Last Accessible Date	08-Jan-2013			ice to springline.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)		1	-							
Roof		8	8							
Measured Rise (mm)	2440		Ū	Upward.						
Measured At Ring No	sured At Ping No.									
Sag (mm)										
Percent Sag	0									
Sidewall	0	8	8							
Measured Span (mm)	2350	0	0	Inward.						
Measured At Ring No	1									
Deflection (mm)	50									
Percent Deflection	0									
	0	N	N							
	0	IN	IN							
	U									
Measured At Ring No.	Na									
	INO		-							
	0	1	1	Rated poured joint to concrete pipe.						
Separation (mm)	0		N N							
		X	X							
I otal 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)										
Coating		8	8							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	No									
Camber POS/ZERO/NEG	ZERO									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

70281 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loc	ation Code: U/S, Span	(mm):	, I	Rise (mm): 2400, Type: SP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		7	7							
Baffle		X	X							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel Extension General Rati	ing	8	8							
		Brie	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loc	ation Code: MAIN, Spa	an (mm):	, Rise (mm): 1829, Type: CP)						
Barrel Last Accessible Date	09-Feb-2011			Ice to springline Could not access centre due to unstable undercut ice. Viewed form grater lenth access point at both ends. Shape looks good.						
Special Features										
Special Feature				_						
(Туре:)				_						
Special Feature				_						
(Туре:)										
Roof		8	8	Lifting pockets not grouted-photo.						
Measured Rise (mm)				_						
Measured At Ring No.	1			_						
Sag (mm)				_						
Percent Sag	0									
Sidewall		8	8							
Measured Span (mm)	1824			_						
Measured At Ring No.	1			_						
Deflection (mm)				_						
Percent Deflection	0		_							
Floor		N	N	_						
Bulge (mm)	0			-						
Measured At Ring No.	1			-						
Abrasion (Y/N)	No									
Circumferential Seams		5	4	Void less than 100mm-R39/4009-Feb-2011						
Separation (mm)	100			Gaps up to 100mm and exposed steel. Cracked grout between R1 &						
Longitudinal Sooma		v	v							
Total No. of Cracked Pinge		~	~							
Total No. of Rings with Two				-						
Cracked Seams				-						
Between Cracks (mm)				_						
Proper Lap (Y/N)				-						
Longitudinal Stagger (Y/N)			_							
Coating		7	7	Exposed steel at joints						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

70281 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm):	, Rise (mm): 1829, Type: CP)						
Camber POS/ZERO/NEG ZERO										
Ponding (Y/N)	No									
Fish Passage Adequacy			7							
Baffle		Х	X							
(Туре:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No			_						
Silting (Y/N)	No			_						
Drift (Y/N)	No									
Barrel General Rating		8	8							
Culvert Component		Last	Now	Feature and Featur						
Direction		S	NOW							
End Treatment (Concrete Steel	STEEL	0		-						
Others, None)	SILL									
Headwall		X	X							
Collar			Х							
Wingwalls		Х	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		8	N	Snow covered						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 400										
Scour Protection		N	N							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Downstream End General Ration	ng	7	7	GR carried fwd.						
		l act	New	te Usage						
Channel (U/S and D/S)		Last	NOW							
Alignment		7	7							
Bank Stability	Bank Stability									
HWM (m below Top of Culvert)				HWM not visible						
Channel Bottom AGGRADING										
Beavers (Y/N)	No									
(Fish Compensation Measure 1	NONE)									
(Fish Compensation Measure 2	NONE)									
Channel General Rating	,	7	7							
enter e enter a riading		-	L .							

Maintenance Recommendations												
Inspector Recommendations			Year	Inspecto	or Comments		Department Corr	nments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION			2013	Grout lift	pockets and gaps.							
OTHER ACTION												
OTHER ACTION												_
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)			88.9/88.9	.9 Sufficiency Rating (%)		ist/Now)	81.4/81.4	Est. Repl. Yr	2047	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor connection between R39/40.						Department Comments						
Maintenance Reviewed By							Date		ł	Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name			Todd Warshawski				Previous Assistant's Name					
Next Inspection Date		09-Oct-2014			Previous	vious Inspection Date 09-Feb-2011						
Inspection Cycle (Default) (months)		21										
Comment												