					Brida	e Culve	ert Insp	ection						
Bridge File Num	ar Built 1910 Ige or Town Name IRON SPRINGS ated Over LNI - IRRIGATION C, WATER ated On 845:04 C1 24.415 Iter Body CI./Year Arigabil. Arigabil. Arigabil. Arigabil. Arigabil. CI./Year Arigabil. Arigabil. Arigabil. Arigabil. Arigabil. CI./Year Arigabil. Arigabil. Arigabil. Arigabil. Arigabil. Arig		rt			Form Type		CUL1						
						Lot No.		4						
Bridge or Town	Name	IRON SI	SPRINGS				Inspector Name		Garry Roberts					
Located Over		LNI - IRF	RIGATION C, \	VATERC	RS-IC		Inspector Class		BR CLS A					
Located On		845:04 (C1 24.415				Assistant Name							
Water Body Cl./	Year						Assistant Class							
Navigabil. Cl./Ye	ear						Inspection Date		21-Mar-2012					
Legal Land Location SW SEC						Data Entry By			Lauren Korte					
Longitude, Latitude -112:37:1						Data Entry Date			12-Apr-2012					
Road Authority Alberta Ti						Reviewer Name			Tom Carey					
Contract Main. Area CMA25						Review Date			23-Mar-2012					
Clear Roadway/Skew 17.5 /						Dept. Reviewer Name								
		2011 (A)				Dept. Review Date		17-Apr-2012						
Road Classificat	tion	RCU-20	8-110				Follow-	-Uр Ву		·				
Detour Length (I	km)	3												
Bridge Culvert	Informa	ation												
Number of Culve	erts	•	1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-	1590		MP	24			68X13		ROUND		
Special Features	s													
Special Features	s Comn	nent												
					117	U:(! /I		-1)						
Litility Attachmo	ote				Οt	iities (L	ocated.	at)						
		201//					Gas Crosses			es channel 50 m West.				
Power			4 NIE				Municipal			200 S.I.G.III OF III TYOUL				
	vvestr	XOVV and	JINE.					m (Y/N)	No					
Others							I IUDIGI	111 (1/14)	INO					
Remarks				Aı	oproac	ch Road	l / Emb	ankment						
					Last	Now		ation of		tion				
Horizontal Alignment			9	8	Jct. Hwy. 25 400 m North.									
Vertical Alignment				9	9		•							
Roadway Width	Roadway Width (m)		8.200											
Embankment					8	7								
Sideslope (:	:1)		2.5											
(Height of Cov	er(m):	1.3)												
Guardrail (Y/N)			No											
Approach Road	d / Emb	ankmen	t General Rat	ing	9	8								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	ation of	Condi	tion				
Direction					W		West in	nvert.						
End Treatment (Others, None)	(Concre	ete, Steel	, NONE											
Headwall					Х	X								
Collar		Х	X											
Wingwalls		X	X											
(Shape:)														
Cutoff Wall				Х	X									

Culvert Common on t				am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	350		_	
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)		1		
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component		_		
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 1590, Type: MP)
Barrel Last Accessible Date	21-Mar-2012	,		Design 1590 x 1590.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	1474			
Measured At Ring No.	3			
Sag (mm)	116			
Percent Sag	7			
Sidewall	1			Climbs hand (climanacas) of 11/C continu
	4740	5	5	Slight bend (alignment) of U/S section.
Measured Span (mm)	1710			
Measured At Ring No.	3			
Deflection (mm)	120			
Percent Deflection	7			
Floor	I	6	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	60			
Longitudinal Seams		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)				
Coating		5	4	Heavy corrosion with some pitting on sidewall and floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

77102 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1590, Type: MP)					
Fish Passage Adequacy		X	7						
Baffle			Х						
(Type:)									
Waterway Adequacy			X						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)									
Barrel General Rating			5						
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		E		East.					
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		X	X						
Collar			X						
Wingwalls			Х						
(Shape:)									
Cutoff Wall			X						
Bevel End			X						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		6	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion			6						
Beavers (Y/N)	No								
Downstream End General Rating		6	6						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		9	9	Drop structure 20 m U/S. Control gate 100 m D/S. Small road ditch drain pipe NE.					
Bank Stability			7	Official road ditori diam pipo NE.					
HWM (m below Top of Culvert)	0.7			No visible HWM.					
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			9						

			Maintena	nce Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		•								
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/5	55.6	Sufficiency Rating (Last/Now) (%)		67.2/73.5	Est. Repl. Yr	2023 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Glen Mikesh			Previous	Assistant's Name Bernie Roseke					
Next Inspection Date	21-Jun-2015 Previo				s Inspection Date 22-Apr-2009					
Inspection Cycle (Default) (months)	39									
Comment										