					Brida	e Culve	ert Inspe	ection					
Bridge File Nun	nber	79448 -1 Bridge Culvert				o ourv		Form Type		CUL1			
Year Built 1981						Lot No.				4			
Bridge or Town	Name		RFF				Inspector Name			Owen Salava			
Located Over	NIMAL, OVER SP				Inspector Class		BR CLS A						
Located On 16:26 R1 14.376;16:26 L1 14.392							nt Name						
Water Body Cl./Year							nt Class						
Navigabil. Cl./Year									18-Dec-2012				
Legal Land Location NE SEC 7 TWP 51 RGE 11 W4M				M		<del></del>	Inspection Date Data Entry By		Marcia Chavez	7			
Longitude, Latitude -111:36:23, 53:23:27								Data Entry Date		03-Jan-2013			
			Transportation				Reviewer Name		John O'Brien				
Contract Main.	Area	CMA14	Transportation	,,,,,,			Review Date		20-Dec-2012				
Clear Roadway		25 /							Name	Andrew Smikle	28		
AADT/Year	OROW	6,330 / 2	2011 (A)				· ·	Review D		04-Jan-2013			
Road Classifica	ntion	RFD-41					<del></del>		aic	04 0dil 2010			
Detour Length		49	2.1 100				Follow-Up By						
Bridge Culvert													
Number of Culv			1										
Pipe #	Barrel		Span	Rise (or	Dia.) Type			Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN		-	2000		MP		74		125X26	2.8	ROUND	
Special Feature	 es		CONC FLOC	)R						1			
Special Feature													
					Ро	sting Ir	nformati	on					
Required Vert.													
Posted Vertical													
Posted: Lane	NB	On B	Bridge (m)	In Adv	/ance (	Y/N)	L	ane SB	0	n Bridge (m)	In Advan	ce (Y/N)	
Remarks													
Liette A					Uti	lities (L	ocated	at)					
Utility Attachme	ents								1				
Telephone	4 .	011					Gas						
Power	1 wire	OH cros	ssed Hwy 12	Jm East.			Municip						
Others							Probler	n (Y/N)	No				
Remarks				Α.		.b. D.s.s	l / Emb						
				Α	Last	Now		ankment		tion			
Horizontal Align	mont				7	7	1	Explanation of Condition At curve to tangent point West of curve.					
Vertical Alignme					7	7	Crest c	Crest curve through horizontal curve 250m to East.					
Roadway Width			25.000		,	,							
Embankment					7	7							
Sideslope (:1) 3.0						Slope is	s 4:1 on	South s	side.				
		15)	3.0				3.4m on South side.						
(Height of Cover(m) : 1.5)  Guardrail (Y/N) Yes						Only on outside shoulders - max length 38m.							
Approach Road / Embankment General Rating			_		Of thy Of	Toutside	SHOULU	lers - max lengt					
Approach Roa	d / Emk	bankmer	nt General R	ating	7	7							
Outro 1 C							am End		0	(lam			
Culvert Compo	onent				Last	Now		ation of					
End Treatment Others, None)	(Concre	ete, Steel	I, STEEL		N		Some v	vater flov	ws to So	outh.			
Headwall					X	Х							
Collar				X	X								

			Llnotro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Wingwalls		X	X	Explanation of Condition
(Shape: )				
Cutoff Wall		Х	X	
Cuton vvan				
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	350			
Scour Protection		N	N	Snow covered.
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Deavers (1/14)	INO			
<b>Upstream End General Rating</b>		7	7	
		D.:	lara Orr	hunt David
Culvert Component			Now	Ivert Barrel Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna			, Rise (mm): 2000, Type: MP)
Barrel Last Accessible Date	18-Dec-2012	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	· <u>/·</u>	
Barrer Last Accessible Date	10-Dec-2012			
Special Features				
Special Feature		X	N	
(Type : CONC FLOOR)				
Special Feature				
(Type:)				
Roof		4	4	Roof sag estimated. Ice on floor.
Measured Rise (mm)	1814			
Measured At Ring No.				
Sag (mm)	186			(9.3%. Unknown date).
Percent Sag	9			,
Sidewall		4	4	Most of barrel flattened to horizontal ellipse shape.
Measured Span (mm)	2186			
Measured At Ring No.	3			
Deflection (mm)	186			9.3%.
Percent Deflection	9			
Floor		N	N	(Concrete cast in place on North end.
Bulge (mm)	0			South 1/2 is OK. 17Mar2006). Snow covered. Dirt on 1/4, remainder snow/ice covered.
Measured At Ring No.				,
Abrasion (Y/N)	No			
Circumferential Seams		6	6	Barrel shape has smooth curves & good arching capabilities.
Separation (mm)	30			
Longitudinal Seams		Х	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	5	Alkaline soil in area.
Corrosion By Soil (Y/N)	Yes			

79448 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2000, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			Est. 200mm ice at d/s half.
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)			1	
Waterway Adequacy		6	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No		1	
Barrel General Rating		4	4	
				eam End
Culvert Component		Last	Now	Explanation of Condition
Direction	T	S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	75			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	N	Snow covered.
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	Estimate concrete floor to be 200mm thick; ice/dirt covered.
Roadway Surface		N	N	
(Type : <b>CONCRETE</b> )				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре	None			
Lighting		Х	Х	
Barrel Leakage (Y/N)	No			

Structure Usage										
	L			Explanation of Condition						
Drainage			4	Water ponds up to 200mm in S half but it is easily fixed if it was to be used again.						
Structure In Use (Y/N) No				Fenced across S fenceline.						
Grade Separation General Rating			4							

				Maintenance	Recommen	dations					
Inspector Recommendations			Year Inspector Comments			Department Com	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE RE	PAIRS			·							
PLACE ADDITIO	NAL RIP RAP										
REMOVE DRIFT	ACCUMULATION										
INSTALL CONCR	RETE/STEEL LINING	3									
INSTALL STRUT	S										
INSTALL CONCR	RETE COLLAR/CUT	OFF									
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condi	low) 44.4	44.4/44.4 Sufficiency Rating (L (%)		st/Now)	<b>55.9/52.0</b> Est. Repl. Yr 2029		2029	Maint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection	Monitor deflections Cattlepass also ac No action for minor	ts as a waterd	course.			Department Comments					
Maintenance Rev	riewed By					Date		E	Estimated Tota	1 0	
Proposed Long-T	•										
On 3-Year Progra	am (Y/N)	Υ									
Proposed Action		2008.02.28	Contac	t landowner in two years time to	o determine c	ontinued usage. Br	ownlee & Associat	es			
Previous Inspecto	or's Name	Owen Salav	va		Previous	Assistant's Name					
Next Inspection D	ate	18-Sep-201	14		Previous	s Inspection Date 17-Dec-2010					
	(Default) (months)	21									
Inspection Cycle	(Delault) (Illolitis)										