					Bridg	e Culve	ert Insp	ection						
Bridge File Num	ber	73261	-1 Bridge Culver	t			Form T			CUL1				
Year Built					Lot No			1						
Bridge or Town	Name	SPIRIT	RIVER		Inspec	tor Name		Brian Pientsch						
Located Over				RDER TRIBUTARY TO HOWARD (, 8.10.82.2.1.2, WATERCRS-ST				Inspector Class BR CLS A						
Located On			C1 17.579					Assistant Name Brian Cote						
Water Body Cl./	Year	.0.0 . 0				Assistant Class								
Navigabil. Cl./Ye					Inspection Date 07-Jul-2011									
Legal Land Location SE SEC 2		C 27 TWP 78 R		ata Entry By Lisa Fairhurst										
		-118:59	9:12. 55:46:52	Data Entry Date 12-Aug-2011										
-														
Contract Main. Area CMA05		·												
Clear Roadway/Skew 11.2 / -24		24 deg. (LHF)												
AADT/Year 1,650 / 1				·			18-NOV-2011							
							Follow-Up By							
Detour Length (km)	6												
Bridge Culvert	Inform	ation												
Number of Culv	erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		- 2120			SP		60.4		152X51	2.8	ROUND		
Special Feature	S		VERT TIMBER	STRUTS	3									
Special Feature	Description Contract Main. Area CMA05 CMA05													
					Uti	ilities (L	ocated.	at)						
Utility Attachme	nts													
Telephone	North	& south	R/W.				Gas							
Power	South	R/W 4	wire.				Munici	oal						
Special Features VE Special Features Comment Utility Attachments Telephone North & south R/V Power South R/W 4 wire Others Remarks Horizontal Alignment Vertical Alignment Roadway Width (m)						Proble	m (Y/N)	No						
Remarks														
				A	oproac	ch Road								
						-								
-						FIELD ENTRANCE TO DRILLING CO. YARD 350m W.								
Roadway Width	(m)		11 200											
		11.200		0 0										
Embankment					8 8									
		0.0\	3.0				_							
Guardrail (Y/N)	/er(m) :	9.2)	Yes											
Approach Road / Embankment		nt General Rating		8	8									
Culvert Compo	nont				Last	Now	am End		Candi	tion				
Culvert Compo	nent				S	INOW	⊏xpıaı	ation of	Conai	tion				
End Treatment	(Concre	ete, Stee	el, STEEL		3									
Others, None) ` Headwall		Х	X											
Collar			X	Х										
Wingwalls				Х	Х									
(Shape:)														
Cutoff Wall					X	X								

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		4	4	SW corner torn and tree growing through. Perforations in bevel floor.
Heaving (mm)	50			government term and tree growing throught a cheratione in botto heer.
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection	10	7	7	
(Type: NATURAL)			'	
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
00001/21031011			_ ′	
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			, Rise (mm): 2120, Type: SP)
Barrel Last Accessible Date	07-Jul-2011		,-	,,,
Special Fostures				
Special Feature			0	
Special Feature)	8	8	
(Type: VERT TIMBER STRUTS)		1	
Special Feature				
(Type:)			1	
Roof	I	4	4	
Measured Rise (mm)	1920			
Measured At Ring No.	12			
Sag (mm)	200			
Percent Sag	9			
Sidewall		4	4	Corrugation profile is crimping at 9 o'clock at ring 12 & 13.
Measured Span (mm)	2260			
Measured At Ring No.	12			
Deflection (mm)	140			
Percent Deflection	7			
Floor		6	3	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		4	4	Crack at 12 o'clock from ring 9-14 where seam is visible (photo)
Separation (mm)	2			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N Stagger
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
	1 63	4	2	Evtangive perferation in floor of D4 D2 and 1/2 havel
Coating	Voc	4	3	Extensive perforation in floor of R1-R3 and u/s bevel.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Culvert Component Last (Pipe # : 1, Primary Span, Location Code: MAIN, Span (miles) Fish Passage Adequacy 5	Nov n):	Explanation of Condition , Rise (mm): 2120, Type: SP)
		, Rise (mm): 2120, Type: SP)
Fish Passage Adequacy 5	5	
Baffle X	N	
(Type :)		
Waterway Adequacy 5	5	
Icing (Y/N) No		
Silting (Y/N) No		
Drift (Y/N) No		
Barrel General Rating 5	3	
_		
		tream End
	Nov	Explanation of Condition
Direction N		
End Treatment (Concrete, Steel, Others, None)		
Headwall	X	
Collar X	Х	
Wingwalls X	X	
(Shape:)		
Cutoff Wall X	X	
Bevel End 7	7	
Heaving (mm) 50		
Invert Above/Below Stream Bed BELOW		
Above/Below (mm) 500		
Scour Protection 6	6	
(Type: NATURAL)		
(Avg. Rock Size(mm):)		
Scour/Erosion 6	6	
Beavers (Y/N) No		
Downstream End General Rating 6	6	
	Struct	ure Usage
Last	Nov	Explanation of Condition
Channel (U/S and D/S)		
Alignment 7	7	
Bank Stability 7	7	
HWM (m below Top of Culvert)		HWM not visible.
Drift (Y/N) No		
Channel Bottom Degrading/Aggrading NONE		
Beavers (Y/N) No		
(Fish Compensation Measure 1 : NONE)		
(Fish Compensation Measure 2 : NONE)		
Channel General Rating 7	7	

			Maintenance R	ecommend	ations					
Inspector Recommendations	Yea	Year Inspector Comments			Department Comn	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION	201	11 As	sess							
OTHER ACTION										
OTHER ACTION										+
OTHER ACTION										+
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.	.6/33.3	Sufficiency Rating (Last/	Now)	54.6/44.7	Est. Repl. Yr	2018	Maint. Re	qd. (Y/N)	Yes
Special Monitor floor ability Comments for Next Inspection	to transmit I	load from	1		Department Comments					
Maintenance Reviewed By					Date		E	stimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Shar		I		Previous	Previous Assistant's Name					
Next Inspection Date	07-Apr-201	13		Previous	Inspection Date					
Inspection Cycle (Default) (months) 21										
Comment										