						Dride	ıo Culve	ort Inch	action					
Bridge File Nun	hor						e Cuive	Form Type		CUL1				
Year Built	ibei	75176 -1 Bridge Culvert 1960						Lot No						
Bridge or Town Name BROOKS										Jan Davisa				
							tor Name		Jon Davies					
Located Over	· · · · · · · · · · · · · · · · · · ·						tor Class	BR CLS B	BR CLS B					
Located On 36:06 C1 37.213								Assistant Name						
Water Body Cl./Year								Assistant Class		44 1 0040				
Navigabil. Cl./Year								tion Date		11-Jan-2012				
									ntry By		Alyssa Boynton			
Longitude, Latit							ntry Date		22-Feb-2012					
Road Authority						Reviewer Name			Garry Roberts					
Contract Main.						Review Date		20-Jan-2012						
Clear Roadway						Dept. Reviewer Name								
AADT/Year 2,260 / 2			. , ,					Dept. Review Date		24-Feb-2012				
Road Classifica			11.8-110					Follow	-Up By					
Detour Length (8												
Bridge Culvert		ation												
Number of Culv			1											
r -	Barrel		Span		Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
	MAIN		- 1800				СР		25.8			ROUND		
Special Feature	S													
Special Feature	s Com	ment												
						D.o	sting Ir	oformat	ion					
Required Vert.	Claaran	co Post	ing (m)			C	sung n	IIOIIIIat	1011					
Posted Vertical				No										
Posted: Lane			Bridge (m)					1	ane SB	On Bridge (m)	In Adva	200 (V/N)		
Remarks		equired	blidge (III)		III Auv	ance ((1/IN)	L	arie SD	On Bridge (III)	III Auvai	nce (Y/N)		
Remarks	INOLIE	quireu				114	ilities (L		-4\					
Utility Attachme	nto					Οt	littles (L	<u>-ocated</u>	at)					
Telephone	West	fonco						Gas						
Power	11001		rood obov	o nine				Municipal						
			road abov	e hihe	-									
Others Remarks		0 m eas		ov on	. d			Proble	m (Y/N) No)				
Remarks	micro	wave to	rmer compl wer to west ble west dit		ia									
					Α	pproa	ch Road	d / Emb	ankment					
						Last	Now	Explar	Explanation of Condition					
Horizontal Align	ment					9	7		Intersection North.					
Vertical Alignme	ent						7	Crest	Crest curves North and South.					
Roadway Width	(m)		11.100											
Embankment					8	7								
Sideslope (:1)			4.5											
(Height of Co	ver(m) :	(8.0												
Guardrail (Y/N)			Yes					Guardrail collision da		lamage at East.				
Approach Roa	Approach Road / Embankment General Rating			ng	9	7								
							Upstre	am End						
Culvert Component				Last	Now	Explanation of Condition								
Direction						W		West.						
End Treatment (Concrete, Steel, Others, None)														
Headwall						Х	Х							
								1						

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		Х	6	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	6	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Brid	lae Cu	lvert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa			, Rise (mm): 1800, Type: CP)
Barrel Last Accessible Date	11-Jan-2012		<i>,</i> -	
Dairei Zaet / todocolbio Dato	11 0011 2012			
Special Features				
Special Feature				Cable connects top 4 units together @ ends - both cables broken
(Type:)			1	
Special Feature				
(Type:)				
Roof		5	5	Some visible rebar on outside ring 2. Minor spall @ E end in roof
Measured Rise (mm)	1987			rebar exposed. Numerous h line to 1.0 mm wide longit, transverse cracks along roof
Measured At Ring No.	1			and sidewalk.
Sag (mm)	0			
Percent Sag	0			
Sidewall		5	5	Hairline to medium width longitudinal cracks.
Measured Span (mm)	1835			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	4	Spalls on the floor through out with
Bulge (mm)	0			some exposed steel.
Measured At Ring No.	1			
Abrasion (Y/N)	No			
Circumferential Seams		5	4	Caulked with foam @ 75% of joints.
Separation (mm) 20				Soil infiltration @ most seams-some @ minor. Spalls @ circ seams ring 1,2
Longitudinal Seams		Х	Х	
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)				

		Bri	dge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 1800, Type: CP)
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	7	Carries ditch drainage water flow.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		Е		East.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	X	
(Shape:)		1		
Cutoff Wall		Х	Х	
Bevel End		Х	X	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		Х	6	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		X	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	6	
			Structur	re Usage
		Last		Explanation of Condition
Grade Separation			_	
Road Alignment		X	X	
Roadway Surface		7	5	
(Type : SOIL)				
Icing (Y/N)	No			(Leakage through circ seams-minor) June 23 2012
Traffic Safety Features		Х	Х	
Туре				

Structure Usage									
		Last	Now	Explanation of Condition					
Lighting		Х	X						
Barrel Leakage (Y/N) Yes									
Drainage		4	4	Ponds 300mm Frozen MVD present. 750 mm csp 8 m south.					
Structure In Use (Y/N)	e (Y/N) No			Fences down @ E					
Grade Separation General Rating			4						

				Maintenance	Recommend	dations					
Inspector Recommendations		Year Inspector Comments				Department Con		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		2012	Replace Replace	G T.T blocks at posts at 2 sections of W-beam a	East. t South East.						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)) 55.6/55.6 Sufficier (%)		Sufficiency Rating (La	ast/Now)	68.5/59.3	Est. Repl. Yr	2021	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date		ı	Estimated Tota	1 0	
Proposed Long-Term Strategy										'	
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Ton		arey			Previous	Assistant's Name					
Next Inspection Date 11		-2013			Previous	Inspection Date	22-Jun-2010				
Inspection Cycle (Default) (months) 21						•					
Comment											