					D : 1	- 0 -								
B			D : 1 O		Bridg	e Culve	ert Inspe		0.11.4					
Bridge File Nur		75464 -1 Bridge Culvert					Form T			CUL1				
Year Built	196		_				Lot No.			4				
Bridge or Town		CHES				Inspector Nar				Jon Davies				
Located Over			NMAL, O	ER SP				tor Class	BR CLS B					
Located On		08 C1	11.316		Assistant									
Water Body Cl.								int Class						
Navigabil. Cl./Y	'ear					Inspection Date			14-Jan-2012					
Legal Land Loc	cation SE	SEC 3	36 TWP 20	RGE 15 W	4M		Data E	ntry By	Anne Roberts	Anne Roberts				
Longitude, Lati	tude -111	1:57:1	1, 50:44:1	1			Data E	ntry Date	27-Feb-2012	27-Feb-2012				
Road Authority	Albe	erta Tr	ansportat	on (AIT)			Review	er Name	Garry Roberts	Garry Roberts				
Contract Main.	Area CM	A23					Review	Date	20-Jan-2012	20-Jan-2012				
Clear Roadway	//Skew 11.3	3 /				Dept. Reviewer Name			ne Tim Davies	Tim Davies				
AADT/Year	1,74	10 / 20	)10 (A)			Dept. Review Date			11-Mar-2012	11-Mar-2012				
Road Classifica	ation RAI	J-211.	.8-110				Follow-	·Uр Ву						
Detour Length	(km) 5													
Bridge Culvert		n												
Number of Culv	verts	1												
Pipe #	Barrel	Sp	pan	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN	17	735	1920		SPE		26.2	152X51		ELLIPSE			
Special Feature	es													
Special Feature	es Comment													
					Ро	sting Ir	nformati	on						
Required Vert.														
Posted Vertical		Y/N)	1	10										
Posted: Lane	NB (	On Brid	dge (m)	In Adv	/ance (	Y/N)	L	ane SB	On Bridge (m)	In Advar	ice (Y/N)			
Remarks	Not require	ed												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents													
Telephone							Gas							
Power	High voltag	ge x's	road @ pi	pe			Municipal							
Others	Water pipe	eline cr	rossing 12	m South			Probler	m (Y/N) No						
Remarks														
				Α	pproac			ankment						
					Last	Now	Explan	ation of Con	dition					
Horizontal Align					8	8								
Vertical Alignm	ent				8	8								
Roadway Width	h (m)		10.500											
Embankment					7	6								
Sideslope (	_:1)		4.0											
(Height of Co	ver(m) : <b>0.8</b> )													
Guardrail (Y/N)	Guardrail (Y/N) No													
Approach Roa	ad / Embank	ment	General I	Rating	8	8								
						Upstre	am End							
Culvert Compe	onent				Last	Now	Explan	ation of Con	dition					
Direction					W									
End Treatment														
Others, None)	(Oorioroto, C	Sieei,	SIEEL											
Others, None) Headwall	. (Concrete, C	J.C.C.,	STEEL		X	X								

			Lingtro	om End
Culvert Component		Last	Now	am End Explanation of Condition
Culvert Component Wingwalls		Last	Now	Explanation of Condition
(Shape: )		_ ^		
Cutoff Wall		Х	Х	
Cuton wan		^	_ ^	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		7	7	Also acts as drainage pipe
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)			_	
Scour/Erosion		7	7	
Decree (M/N)	No			
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		7	7	
Cultivant Campanana				Ivert Barrel
Culvert Component	tion Code: MAIN Coo			Explanation of Condition
(Pipe # : 1, Primary Span, Loca		n (mm	1): 1735	, Rise (mm): 1920, Type: SPE)
Barrel Last Accessible Date	14-Jan-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	mower damage at crown both ends.
Measured Rise (mm)	1905			Est sag
Measured At Ring No.	5			
Sag (mm)	50			
Percent Sag	3			
Sidewall		7	7	
Measured Span (mm)	1750			
Measured At Ring No.	5			
Deflection (mm)	15			
Percent Deflection	1			
Floor		N	N	CONCRETE ON FLOOR-COVERED BY DIRT
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				1 N stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		7	6	White staining around bolts.
Corrosion By Soil (Y/N)	Yes			1
Corrosion By Water (Y/N)	No			
- J	-		_	2 of 5

75464 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n): 1735	, Rise (mm): 1920, Type: SPE)						
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	Yes			Ponds average 150mm water						
Fish Passage Adequacy		Х	Х							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		9	9	Also carries drainage flow from West						
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		6	6							
		D	ownst	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		Е								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		Х	X							
(Shape: )										
Cutoff Wall		Х	Х							
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	150									
Scour Protection	Scour Protection		7	Handles flow from W						
(Type: <b>NATURAL</b> )										
(Avg. Rock Size(mm):)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	7	7							
				re Usage						
		Last	Now	Explanation of Condition						
Grade Separation										
Road Alignment		X 7	X	Concrete pad outside of bevel end at Concrete flr with dirt cover						
Roadway Surface			7	Consiste iii with thirt cover						
(Type:)										
Icing (Y/N)	No									
Traffic Safety Features		X	X							
Туре										
Lighting		X	X							
Barrel Leakage (Y/N)	No									

Structure Usage										
		Last	Now	Explanation of Condition						
Drainage			5	Water to 150 mm						
Structure In Use (Y/N) No				No fences-muddy, No sign used as cattlepass.						
Grade Separation General Rating			5							

75464 -1 Bridge Culvert

				Mainter	nance Recomme	ndations						
Inspector Recommendations	Year Inspector Comments				Department Cor	mmen	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTO	)FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No. (%)	ow)	66.7/66.	7	Sufficiency Ratin	g (Last/Now)	76.7/75.2	Est	t. Repl. Yr	2031	Maint. R	eqd. (Y/N)	No
Special Comments for Next Inspection						Department Comments						
Maintenance Reviewed By						Date			E	Estimated Tot	al 0	
Proposed Long-Term Strategy											·	
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Tom Ca					Previou	s Assistant's Name	)					
Next Inspection Date 14-Oc		4-Oct-2013				Previous Inspection Date 22-Jun-2010						
Inspection Cycle (Default) (months)	21											
Comment												