					Bride	е Сим	ert Insp	ection						
Bridge File Nur	nhar	75125 -1 Bridge Culvert				e Cuive	Ivert Inspection Form Type			CUL1				
Year Built	IIDEI	1959					Lot No	•		2				
Bridge or Town Name CARBON														
Located Over	iname									Owen Salava BR CLS A				
		3 46 6 WATEDODS ST					Inspector Class Assistant Name			BR CLS A				
Located On		575:04 C	1 7.614				Assistant Name Assistant Class							
Water Body Cl.	/Year									25-Jan-2011				
Navigabil. Cl./Year						Inspection Date  Data Entry By			Marcia Chavez					
Legal Land Loc	ation	SE SEC	26 TWP 29 R	GE 23 W	4M					04-Mar-2011				
Longitude, Lati	tude	-113:07:6	∩ 51·30·12				Data Entry Date Reviewer Name			John O'Brien				
Road Authority		ransportation (AIT)				Reviewer Name Review Date			03-Feb-2011					
Contract Main. Area CMA21						Dept. Reviewer Name			Nome					
Clear Roadway/Skew 8.4 / 30 deg. (RHF)							Dept. Review Date							
AADT/Year	T/Year 1,060 / 2009 (A)					•			06-Mar-2011					
Road Classifica	, , , ,					Follow-Up By								
Detour Length	(km)	5												
Bridge Culver	` /	ation												
Number of Culv		1												
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	U/S	1	429	1575		SPE		19.8		152X51	3.0	ELLIPSE		
1	MAIN	1	429			SPE		43.8		152X51	3.0	ELLIPSE		
1	D/S	1	429	1575		SPE		19.8		152X51	3.0	ELLIPSE		
Special Feature	es													
Special Feature	es Comi	ment 5	% vertical ellip	se.										
			•											
					Ut	ilities (L	ocated	at)						
Utility Attachme							T _		1					
Telephone	_	South fer					Gas							
Power	3 OH	lines @ N fenceline.					Municipal Problem (Y/N) No							
Others							Proble	m (Y/N)	No					
Remarks														
				A				ankment		4! a.u.				
Harizantal Alian	nmont.				Last	Now		ation of		tion				
Horizontal Alignment			7	8	Minor sag curve.									
Vertical Alignm			8.400		/	7								
Roadway Width	1 (111)		0.400											
Embankment					6	6								
Sideslope (	_:1)		4.0				4:1 @	4:1 @ top, closer to 3:1 further out.						
(Height of Co	ver(m) :	10)												
		Yes				Turn down end at NE too high. Many post holes not filled. 1 post split on N. rail post.								
Approach Roa	ıd / Eml	bankmen	General Rati	ing	7	7	poorne	7100 1101 11		poor opiir ori i r	Tall poot.			
						Upstre	am End							
Culvert Compo	onent				Last	Now	Explar	ation of	Condi	tion				
Direction					N									
End Treatment Others, None)	(Concre	ete, Steel,	STEEL											
Headwall					Х	X								
Collar			Х	X										
Wingwalls	Wingwalls				Х	X								
(Shape: )														

75125 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		Х	Х	
Bevel End		N	7	(Minor rust at valley of invert. 04Oct2004).
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	N	Snow covered.
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		6	6	G.R. carried forward from unknown date.
		Brid	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : <b>1, Primary Span, Loca</b>	ntion Code: U/S, Spar			
Barrel Last Accessible Date	25-Jan-2011			Shape is 5,5,5,5N plates.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)	1530			
Measured At Ring No.	17			
Sag (mm)	45			2.9%
Percent Sag	3			
Sidewall		4	4	Sidewall has wavy appearance in some areas.
Measured Span (mm)	1466			Most bolts on upper East sidewall are not fully engaged, some bolts loose / missing - photo.
Measured At Ring No.	16			
Deflection (mm)	37			2.5%
Percent Deflection	3			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		5	5	
Separation (mm)	0			
Longitudinal Seams		4	4	Some nuts loose or they have partial bite.
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	Minor pitting at floor of 2 rings at
Corrosion By Soil (Y/N)	No			North end.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

75125 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	1429, F	Rise (mm): 1575, Type: SPE)					
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7	Grass on barrel bolts to crown.					
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel Extension General Ratir	ng	4	4						
		D	ownstr	ream End					
Culvert Component		Last		Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall		Х	X						
Bevel End		N	N	(Edges banged up but still operational. 04Oct2004). Snow covered.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	500								
Scour Protection		N	N	Snow covered.					
(Type:)									
(Avg. Rock Size(mm):)		1							
Scour/Erosion		N	N	Snow covered.					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	4	4	G.R. carried forward from unknown date.					
		S	tructu	re Usage					
01		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	6						
Bank Stability		7	7						
HWM (m below Top of Culvert)				Grass on bolts to crown through entire					
Drift (Y/N) No				barrel.					
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

			Maintenance	Recommen	dations					
Inspector Recommendations	Yea	ar	Inspector Comments		Department Comn	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			·							
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTOFF										
REPAIR SEAMS										
OTHER ACTION	201	12	Retighten all loose / missing bolts	and nuts.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 44.4	4/44.4	Sufficiency Rating (Las	ufficiency Rating (Last/Now)		Est. Repl. Yr	2035 Maint. Re		qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Bryan Wai			Previous	Assistant's Name					
Next Inspection Date	25-Apr-2014 Previo				Inspection Date 22-Feb-2008					
Inspection Cycle (Default) (months) 39										
Comment										