09583 -1 Bridge Culvert

					Brida	o Culve	ort Inch	action						
Bridge File Num	her	09583 -1 Bridge Culvert				Bridge Culve				CUL1				
Year Built 1979						Lot No.		4						
Bridge or Town Name WHITBURN								Brian Pientsch						
Located Over							Inspector Class							
Located Over						Assistant Name		BR CLS A Brian Cote						
Located On 49:04 C1 2.216 Water Body Cl./Year					Assistant Class		Brian Cote							
i								05 Ivil 2044						
Navigabil. Cl./Year  Legal Land Location NW SEC 10 T			10 TWD 70 D					Inspection Date Data Entry By		05-Jul-2011 Lisa Fairhurst				
							Data Entry Date		12-Aug-2011					
			:12, 55:50:02						Arnold Assenheimer					
			a Transportation (AIT)				Reviewer Name Review Date			13-Jul-2011				
Contract Main. Area CMA05 Clear Roadway/Skew 10.5 / -3								Dept. Reviewer Name						
AADT/Year			/ -30 deg. (LHF) ) / 2010 (A)				Dept. Reviewer Name  Dept. Review Date		16-Nov-2011					
Road Classificat		RAU-210							ale	10-1107-2011				
Detour Length (		10	-110				Follow-Up By							
Bridge Culvert										<u> </u>				
Number of Culve		1												
	Barrel		pan	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1 1	MAIN	_		6160		SP		112.8		152X51	6.0	ROUND		
Special Features						1	112.0			, , , , , , , , , , , , , , , , , , , ,	10.0	1		
Special Features		nent												
					Uti	ilities (L	ocated	at)						
Utility Attachmer	nts													
Telephone N and S r/w							Gas							
Power	2 wire S						Municipal							
Others							Proble	m (Y/N)	No					
Remarks														
				Ap				ankment						
			Last		Explanation of Condition									
	Horizontal Alignment			7	7	In sag curve. Limited sight distance.								
Vertical Alignme	Vertical Alignment				6	6								
Roadway Width (m) 10.500														
Embankment			1			8	Gabion wall on East slope. 3.0 m bench and toe is 5:1.@ west slope.							
Sideslope (:	:1)		3.0				5.0 III Delicii aliu toe is		s o. i.e west stope.					
(Height of Cov	er(m):	12.5)												
Guardrail (Y/N)	Guardrail (Y/N) Yes													
Approach Road	d / Emb	ankment	General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion				
Direction					W									
End Treatment ( Others, None)	(Concre	ete, Steel,	CONCRETE											
Headwall			5	5	Headwall has cracks and has pulled away from pipe 25mm.					25mm.				
Collar			5	5	Severa	l cracks o	on sout	h side of collar.						
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall			N	N										

			Hantar	Ford
Culvert Component		Last	Now	am End Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	100	0	0	
Invert Above/Below Stream Bed	BELOW			
	200			
Above/Below (mm)	200	7	7	
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>800</b> ) Scour/Erosion		7	7	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 6160, Type: SP)
Barrel Last Accessible Date	27-Oct-2009			Inaccessible due to water
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	(Roof sag estimated.
Measured Rise (mm)				
Measured At Ring No.				Approx. 600mm of silt & rock on invert. Rise not measurable Oct 29 2009)
Sag (mm)	50			Viewed from ends and looks good
Percent Sag				viewed from chas and looks good
Sidewall		7	7	(Measured span 6150 near c/l-97/02/21)
Measured Span (mm)	6069			
Measured At Ring No.	12			
Deflection (mm)	91			
Percent Deflection	2			Inward deflection.
Floor		N	N	Silt/rock covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			Abrasion visible along lower sides.
Circumferential Seams		7	N	MADICAL VISIDIE GIOLIS IOWEL SIGES.
Separation (mm)	0	7	IN IN	
	U	7	N.I	
Longitudinal Seams Total No. of Cracked Pings	0	1	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	4	Pitting rust above water line.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brio	dge Cu	Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm	):	, Rise (mm): 6160, Type: SP)				
Fish Passage Adequacy		7	7					
Baffle		6	N					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating		7	N	Previously rated 7 Oct 27 2009				
		D	ownsti	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		Е						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		5	5	Poor finishing between headwall and collar. Do not appear to be connected				
Collar		5	5	Med. cracks throughout.				
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		N	N					
Bevel End		7	7					
Heaving (mm) 0								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1000							
Scour Protection		7	7					
(Type : <b>RIP RAP</b> )								
(Avg. Rock Size(mm) : <b>800</b> )								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	5	5					
			Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)		1	111011					
Alignment			7					
Bank Stability		4	4	Bank slumping @ SW corner Vertical banks 100m d/s.				
HWM (m below Top of Culvert)				Hwm not visible.				
Drift (Y/N)	Yes							
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N) No								
(Fish Compensation Measure 1 : <b>NONE</b> )								
(Fish Compensation Measure 2 :								
Channel General Rating	,	4	4					

			Mainten	ance Recommer	dations						
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	ments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	<b>)</b>										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	ow) 77.8/5	5.6	Sufficiency Rating (Last/Now) (%)		68.0/58.0	Est. Repl. Yr	2027 Maint. Re		qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Tota	1 0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Shane Hall			Previous	Assistant's Name						
Next Inspection Date	05-Apr-2013			Previous	Inspection Date	27-Oct-2009					
Inspection Cycle (Default) (months)	21										
Comment											