				В	rida	o Culve	ert Inspec	tion				
Bridge File Nur	nher	81211 \	W-2 Bridge Culv		Hide	e Cuive	Form Ty			CULM		
Year Built	ilbei	1990	W-2 bridge can	GIL			Lot No.	pe		4		
Bridge or Town	Nama	EDSON					Inspecto	r Nama		Todd Warshav	weki	
Located Over	INAITIC		NCE CREEK, 8	3 11 107 30			Inspecto			BR CLS B		
Located Over			RCRS-ST	5.11.107.50	,, 		Assistan			DIX OLO D		
Located On		16:04 L	1 44.916				Assistan					
Water Body Cl.	/Year						Inspection			09-Aug-2012		
Navigabil. Cl./Y	'ear						Data Ent			Theresa Lacus	sta	
Legal Land Loc	ation	NE SE	C 7 TWP 53 RG	E 18 W5M			Data Ent			22-Aug-2012		
Longitude, Latit	tude	-116:38:08, 53:34:04					Reviewe			Eric Carcoux		
Road Authority				(AIT)			Review Date			21-Aug-2012		
Contract Main. Area CMA13						Dept. Reviewer Name			-			
Clear Roadway/Skew 12.6 / 6 deg. (RHF)							Dept. Review Date			30-Aug-2012		
AADT/Year		6,080 /	2011 (A)				Follow-U			007.09.2012		
Road Classifica	ation	RAD-4	12.4-120] Ollow C	, p Dy				
Detour Length	(km)	1										
Bridge Culvert	Inform	ation										
Number of Culv	/erts		2								1	
Pipe #	Barrel		Span	Rise (or Di	ia.)	Туре	L	ength		Corr. Profile	PI./Slab Thickness	Shape
1	MAIN		-	3990		SP	4	19.1		152X51	3.0	ROUND
2	MAIN		-	3990		SP	4	19.1		152X51	3.0	ROUND
Special Feature	es											
Special Feature	es Comr	nent										
					Uti	ilities (L	Located a	t)				
Utility Attachme		,										
Telephone	North						Gas					
Power	2 wire	s O/H 1	00m East.				Municipal					
Others	DE.		(NE)				Problem	(Y/N)	No			
Remarks	BF tag	on top	of NE headwall			sh Dage	d / Embay	Jamont				
					ast.	Now	d / Embar Explana		Condi	tion		
Horizontal Aligr	nment				.asi 7	7	<u> </u>			evated with god	nd sight distan	
Vertical Alignm					7	7	Graduar	cuive, s	uperei	evaled with got	oa signi aistan	06.
Roadway Width			12.600									
Ttoadway Widti	1 (111)		12.000									
Embankment					6	6						
Sideslope (_:1)		3.0									
(Height of Co	ver(m):	2.5)										
Guardrail (Y/N)			Yes				Both side	es.				
Approach Roa	d / Emb	oankme	nt General Rat	ing	7	7						
						Upstre	am End					
Culvert Compo	onent			L				tion of	Condi	tion		
(Pipe # : 1, Sp	an Type	e: Prima	ary Span)									
Direction				N	1		East pipe	e.				
End Treatment Others, None)	(Concre	ete, Stee	el, CONCRETE									
Headwall					7	6	Wide cra	acks alo	ng hea	dwall.		
Collar					6	6	Several	wide cra	ıcks.`			
Wingwalls					Χ	X						

			Unetro	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Snan)	Lasi	INOW	Explanation of Condition
Cutoff Wall	у Оран)	N	N	
Cuton Wan		IN IN	IN	
Bevel End		7	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		7	6	Settlement of riprap along collar.
(Type : RIP RAP)				
(Avg. Rock Size(mm): 500)				
Scour/Erosion		7	6	
- 0.00	I			
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Bri	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			, Rise (mm): 3990, Type: SP)
Barrel Last Accessible Date	08-Mar-2007			East pipe.
				Viewed from ends, shape and condition appear ok.
Special Features			1	
Special Feature				
(Type:)			1	
Special Feature				-
(Type:)			_	
Roof		N	N	(Diag from 2004/42/05)
Measured Rise (mm)	4010			(Rise from 2001/12/05)
Measured At Ring No.	7			(Upward deflection. 08/Mar/2007)
Sag (mm)	20			(Opward deflection: 08/Mai/2007)
Percent Sag	1			
Sidewall		N	N	
Measured Span (mm)	4015			
Measured At Ring No.	7			
Deflection (mm)	25			
Percent Deflection	1			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	0			
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				2N stagger.
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm) :	, Rise (mm): 3990, Type: SP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	N	G.R. was "8" from 08/Mar/2007.
				eam End
Culvert Component	. 0	Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			le
Direction	CONODETE	S		East pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE		_	
Headwall		7	7	
Collar		7	7	Several narrow cracks.
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: RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			Upstre	am End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		N		West pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	6	Several wide cracks.
Collar		6	6	Several wide cracks.
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		N	N	

			Llmotre	om End
Culvert Component		Last		eam End Explanation of Condition
	lory Spon)	Last	INOW	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Spari)	7		
Bevel End	400	7	6	-
Heaving (mm)	100			
Invert Above/Below Stream Bed				_
Above/Below (mm)	1000		1	
Scour Protection		7	6	Some sandstone.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)			1	
Scour/Erosion		7	6	Settlement along collar
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dae Cu	llvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN			, Rise (mm): 3990, Type: SP)
Barrel Last Accessible Date	08-Mar-2007		,-	West pipe.
Special Features				Viewed from ends, shape and condition appear ok.
Special Features Special Feature				
·				
(Type:)				_
Special Feature				
(Type:)			Ι	
Roof	<u> </u>	N	N	
Measured Rise (mm)				_
Measured At Ring No.				_
Sag (mm)				
Percent Sag			1	
Sidewall	I	N	N	
Measured Span (mm)	4070			
Measured At Ring No.	7			
Deflection (mm)	80			_
Percent Deflection	2			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	0			
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				(2N stagger. 08/Mar/2007)
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		N	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

81211 W-2 Bridge Culvert

		Brio	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 3990, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		8	8	
Baffle		N	N	
(Type:)				
Waterway Adequacy		7	7	1m silt in d/s end of pipe.
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		N	N	Previously rated "8" on 08/Mar/2007.
			ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)	Last	11011	Explanation of condition
Direction	шу орши	s		West pipe.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			γνου μρο.
Headwall		7	7	
Collar		7	7	Several narrow cracks.
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 : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
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 :				
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	8	

		Maintenance R	ecommendations					
Inspector Recommendations	Year	Inspector Comments	Department Cor	mments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	3							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUT	OFF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N	low) 55.6/55	5.6 Sufficiency Rating (Last	/Now) 63.6/64.3	Est. Repl. Yr	2048	Maint Do	qd. (Y/N)	No
(%)	,	(%)		Ем. Кері. 11	2040	Maint. Ne	40. ()	
(%) Special As this structure have required as per Bir	as not been acce		nspection is Department	Est. Repl. 11	2040	Wallit. Re	43. ()	
(%) Special As this structure have required as per Bir	as not been acce	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ev	nspection is Department	Est. Repl. 11		Estimated Tota		
Special Comments for Next Inspection As this structure have required as per Bir we are recommended.	as not been acce	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ev	nspection is Zeluations Department Comments	Est. Repl. 11				
Special Comments for Next Inspection As this structure have required as per Bir we are recommendate when the structure have required as per Bir we are recommendate.	as not been acce	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ev	nspection is Zeluations Department Comments	Est. Repl. 11				
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy	as not been acce	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ev	nspection is Zeluations Department Comments	Est. Repl. 11				
Special Comments for Next Inspection As this structure have required as per Bir we are recommend Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	as not been acce	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ever eferred to a later date.	nspection is Zeluations Department Comments					
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	as not been acce n Manual Section ding that his be d	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ever eferred to a later date.	nspection is Aluations Department Comments Date Previous Assistant's Name		E			
Special Comments for Next Inspection As this structure have required as per Bir we are recommend Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	as not been acce n Manual Section ding that his be d	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site ever eferred to a later date.	nspection is Zeluations Department Comments Date		E			