					Brido	e Culve	ert Inspec	ction					
Bridge File Number 73604 -1 Bridge Culvert				Dillag	o carre				CUL1				
Year Built 1969						Lot No.	<u> </u>		4				
Bridge or Town Name CHAUVIN						Inspector Name			Owen Salava				
Located Over			UTARY TO BATTLE RIVER, 5.1,			Inspector Class		BR CLS A					
			ERCRS-ST				Assistant Name						
Located On		14:16 C1	1 53.854				Assistant Class						
Water Body Cl./Year				Inspection Date			10-Jan-2012						
Navigabil. Cl./Year							Data Entry By		Marcia Chavez				
Legal Land Location SE SEC 2			2 TWP 45 RGE 1 W4M				Data Entry Date		02-Feb-2012				
Longitude, Latitude -110:01:5		:52, 52:50:31				Reviewer Name		Jason Saly					
-							Review Date		28-Jan-2012				
Contract Main.		CMA15					Dept. Reviewer Name		Andrew Smikl	es			
Clear Roadway	/Skew	10.8 /					Dept. Review Date		09-Feb-2012				
AADT/Year			0 / 2010 (A)				Follow-Up By						
Road Classifica		RAU-211	.8-110				, ,						
Detour Length (	` '	6											
Bridge Culvert													
Number of Culv	erts Barrel	1		Rise (or	Dia \	Type		Longth		Corr. Profile	Pl./Slab	Shana	
Pipe #	Darrei	3	Span	Rise (or	Dia.)	Туре		_ength		Con. Profile	Thickness	Shape	
1	MAIN	2	610	2877		SPE		105.5		152X51	3.5,3.5,5.5	ELLIPSE	
Special Feature	es											<u> </u>	
Special Feature	es Comi	ment 5	% V.E.										
L Ivilia Ava I	.				Uti	ilities (L	_ocated a	it)					
Utility Attachme		1.01	0 4 54				0						
Telephone Plowed through South ditch.						Gas							
Power 1 wire OH 35m South.						Municipa		N1-					
Others							Problem	(Y/N)	No				
Remarks				Λ	nnroa	ch Poac	d / Embar	akmont					
						Now		Explanation of Condition					
Horizontal Align	ment				8	8	Long 4 to 6% grades in both directions.						
Vertical Alignme					5	5	, 1 G 1 - 1 - 1 G 1 - 1 - 1 - 1 - 1 - 1 -						
		10.800	0.800										
						_							
Embankment	Embankment						Ditch erosion all four corners grassed and stable.						
Sideslope (	· ·		3.0										
(Height of Co	ver(m)	: 14.6)											
Guardrail (Y/N)			Yes										
Approach Roa	d / Fml	hankmen	General Rat	ina	5	5							
Approach Roa	u / Liiii	Dankincin	ochoral ital	9									
							am End						
Culvert Component			Last	Now	Explana	tion of (	Condi	tion					
Direction		S		_									
End Treatment Others, None)	(Concre	ete, Steel,	STEEL										
Headwall		Х	Х										
Collar			X	X									
Wingwalls			X	X									
(Shape: )													
Cutoff Wall			Х	X									
Guion vvan					^	^							

73604 -1 Bridge Culvert

			Linetro	am End
Culvert Component			Now	Explanation of Condition
Bevel End		6	6	Explanation of Condition
Heaving (mm)	100			
Invert Above/Below Stream Bed	1.00			
Above/Below (mm)	0			
Scour Protection		4	4	Insufficient.
(Type : <b>NONE</b> )		, ,		
(Avg. Rock Size(mm):)				
Scour/Erosion		4	4	Gap under bevel end, scoured.
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
Opstream End General Rating		4	4	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	): 2610	, Rise (mm): 2877, Type: SPE)
Barrel Last Accessible Date	10-Jan-2012			(Measured 2673x2842 span @ R10. Measured 2635x2868 span @ R6. 02/04/25).
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	6	(300mm silt on floor. 18Sep2005). Unable to measure due to ice.
Measured Rise (mm)				Unable to measure due to ice.
Measured At Ring No.				
Sag (mm)	120			
Percent Sag				
Sidewall		N	6	Cracks found @ 9:00 W side in R10 & 14. R14 NA due to ice.
Measured Span (mm)	2642			
Measured At Ring No.	9			
Deflection (mm)	62			2.4%
Percent Deflection	2			
Floor		N	N	Under ice.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	0			1
Longitudinal Seams		4	4	Cracks unchanged.
Total No. of Cracked Rings	2			R10 cracked - 120mm of steel left. R14 starting to crack - no change.
Total No. of Rings with Two Cracked Seams 0				(Bolts missing in R7). Unable to confirm floor seams, covered by ice. Roof 100% improper lap. Poorly torqued seams.
Min. Remaining Steel Between Cracks (mm)	120			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		5	5	
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

73604 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	): 2610	, Rise (mm): 2877, Type: SPE)					
Ponding (Y/N)	Yes			Towards North end.					
Fish Passage Adequacy		5	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		6	6						
Icing (Y/N)	No			At R8.					
Silting (Y/N)	Yes								
Drift (Y/N)	Yes								
Barrel General Rating		4	4						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )		1	1						
Cutoff Wall		X	X						
Bevel End		6	6						
Heaving (mm)	200								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	500								
Scour Protection		4	4						
(Type : <b>NONE</b> )									
(Avg. Rock Size(mm):)									
Scour/Erosion		4	4	Scour along both sides of bevel from backwash. (Scour hole D/S 1.5m deep. 23Jun2010).					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	4	4						
		s	tructu	re Usage					
		Last		Explanation of Condition					
Channel (U/S and D/S)									
Alignment		6	6						
Bank Stability		4	4	Cracks in ground on N side slope. All cracks are below crown of pipe.					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	DEGRADING								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	I.								
(Fish Compensation Measure 2 :	·								
Channel General Rating	,	4	4						
			1						

		Mainter	nance Recommend	ations					
Inspector Recommendations	Year	Inspector Comments		Department Com	nments		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/I) (%)	Now) 44.4/4	Sufficiency Ratin	ng (Last/Now)	19.3/49.3	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Jason Saly		Previous	Assistant's Name					
Next Inspection Date	10-Oct-2013		Previous	nspection Date	23-Jun-2010				
Inspection Cycle (Default) (months)	21								
Comment									