Bridge Culvert Inspection													
Bridge File Number	73566 -	1 Bridge Culve	rt	- 1 C. C.		Form T			CUL1				
Year Built						Lot No.			4				
		NGSIDE					or Name		Jason Saly				
Located Over			F CREEK	. 5.56.	.3.	•	or Class		BR CLS A				
	1963			,		Assistant Name		Bit obs /t					
Located On		31.528;2:26 R	1 31.528			Assistant Class							
Water Body Cl./Yea	r					Inspection Date		20-Mar-2013					
Navigabil. Cl./Year						Data Entry By			Marcia Chavez				
Legal Land Location	SE SEC	27 TWP 41 R	GE 26 W	4M		Data Entry Date			01-Apr-2013				
Longitude, Latitude	-113:39	:47, 52:33:16				Reviewer Name			John O'Brien				
Road Authority		Transportation	(AIT)			Review Date			26-Mar-2013				
Contract Main. Area						Dept. Reviewer Name			Chris Black				
Clear Roadway/Ske						·		09-Apr-2013					
AADT/Year							Follow-Up By						
Road Classification		2.4-130											
Detour Length (km)													
Bridge Culvert Info													
Number of Culverts		<u>·</u>	.	. .	 				0	DI (6)			
Pipe # Barr	el	Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1 MAI	N	2692	1727		CPE		59.7				ELLIPSE		
Special Features			1							·	-		
Special Features Co	omment												
				Ut	ilities (L	ocated.	at)						
Utility Attachments						I		1					
Telephone						Gas							
Power							Municipal						
Others Old telegraph lines East r/w. Railroad tr				racks	East of	Problem (Y/N) No							
Remarks	y 2.												
rtomanto			Ar	oproa	ch Roac	I / Emba	nkment						
					Now	Explanation of Condition							
Horizontal Alignment			7	7	Located in curve.								
Vertical Alignment			8	8	Turnoff to overpass 80m north.								
				_	T _								
Embankment				7	7	Embankment reinforced with asphalt over pipe ends. East side 4:1.							
Sideslope (:1)	\	3.0											
	n) : 1.7)	\ <u>\</u>											
Guardrail (Y/N)		Yes											
Approach Road / E	mbankmer	nt General Rat	ing	7	7								
			Ū										
					Upstre								
Culvert Componen	t			Last	Now	Explan	ation of	Condit	tion				
Direction				Е									
End Treatment (Cor Others, None)	ncrete, Stee	I, CONCRETE	:										
Headwall		, 		Х	X								
Collar				X	X								
Wingwalls				Х	X								
(Shape:)				, ,									
Cutoff Wall				Х	X								
outon vvan													

			Unctre	am End					
Outroom Common and		Last		eam End					
Culvert Component			Now	-					
Bevel End		7	7	Concrete bevel 760mm long.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	 -								
Above/Below (mm)	0								
Scour Protection		7	N	Snow covered.					
(Type : NATURAL)									
(Avg. Rock Size(mm):)									
Scour/Erosion		7	N	Snow covered.					
Beavers (Y/N)	No								
Upstream End General Rating		7	7						
		Brid	dae Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. S								
Barrel Last Accessible Date	20-Mar-2013	,							
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		7	7	(Rise @ R33 = 1708, 19mm. 15Sep2011) - Could not measure rise					
Measured Rise (mm)	1707	,		due to ice.					
Measured At Ring No.	23								
Sag (mm)	20								
Percent Sag	1			(1.2%. 15Sep2011).					
	<u> </u>	7	7	Const. © D2 2000 40 D42 2070 42 D22 2070 40					
Sidewall (Table (Table))	0075	7	7	Span @ R3 = 2680, 12mm. R13 = 2679, 13mm. R33 = 2676, 16mm.					
Measured Span (mm)	2675								
Measured At Ring No.	23								
Deflection (mm)	17			0.6% inward.					
Percent Deflection	1								
Floor	I	N	N	Under ice.					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		6	5	Grouted between sections with some grout missing, minor.					
Separation (mm)	30			Some vertical cracking.					
Longitudinal Seams		X	X						
Total No. of Cracked Rings									
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)									
Longitudinal Stagger (Y/N)									
Coating		Х	Х						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Bridge Culvert Barrel											
Culvert Component			Now	Explanation of Condition							
(Pipe #: 1, Primary Span, Location Code: MAIN, Span (mm): 2692, Rise (mm): 1727, Type: CPE)											
Fish Passage Adequacy			6								
Baffle			Х								
(Type:)											
Waterway Adequacy			7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N) No											
Barrel General Rating			7								
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction	T	W									
End Treatment (Concrete, Steel, Others, None)	nd Treatment (Concrete, Steel, CONCRETE thers, None)										
Headwall		Х	Х								
Collar			Х								
Wingwalls			X								
(Shape:)											
Cutoff Wall			Х								
Bevel End		7	7	Concrete bevel.							
Heaving (mm)	0										
Invert Above/Below Stream Bed											
Above/Below (mm) 0											
Scour Protection		7	N	Snow covered.							
(Type: NATURAL)											
(Avg. Rock Size(mm):)											
Scour/Erosion		7	N	Snow covered.							
Beavers (Y/N) No											
Downstream End General Rating			7								
		s	tructui	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			5	Upstream comes in at slight angle & gradient is steep from railroad structure. "S" curve in stream upstream.							
Bank Stability			7								
HWM (m below Top of Culvert)				HWM not visible.							
Drift (Y/N) No											
Channel Bottom Degrading/Aggrading				Unknown.							
Beavers (Y/N) Yes											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·										
Channel General Rating			5								
				·							

73566 -1 Bridge Culvert

			Maintenanc	e Recommen	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Con	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/N (%)	ow) 77.8/7	7.8	Sufficiency Rating (L (%)	ast/Now)	73.8/73.7	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	No
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 Owen Sala		ven Salava Previ			us Assistant's Name					
Next Inspection Date	20-Dec-2014			Previous	Inspection Date	15-Sep-2011				
Inspection Cycle (Default) (months)	21			,		,				
Comment										