Bridge Culvert Inspection														
Bridge File Number 80993 -		3 -1 Bridge Culvert				Form Type		CUL1						
Year Built		1987					Lot No			4				
Bridge or Town	Name	BENAL	.TO				Inspec	tor Name		Jason Saly				
Located Over		2ND OI	RDER TRIBUTA	ARY TO N	MEDIC	MEDICINE ST		Inspector Class		BR CLS A				
			R, 3.88.6.2, WATERCRS-ST 10 C1 13.386				Assistant Name							
Water Body Cl./	Year	700.10	01 10.000					ant Class						
Navigabil. Cl./Ye								Inspection Date 15-Feb-2012						
Legal Land Loca		SW SE	C 28 TWP 37 R	2GF 3 W5	5M			ntry By		Marcia Chave	<u>z</u>			
Longitude, Latitu			2:57, 52:12:23					ntry Date		09-Mar-2012				
-		a Transportation (AIT)				Reviewer Name			John O'Brien					
Contract Main. Area CMA18			·	,			Review Date			29-Feb-2012				
		deg. (LHF)		Dept. Reviewer Name Dept. Review Date										
AADT/Year		670 / 20							ate	14-Mar-2012				
Road Classificat	tion		209-110				Follow-Up By							
Detour Length (I	km)	3												
Bridge Culvert Information														
Number of Culve	erts		1											
Pipe #	# Barrel		Span	pan Rise (or I		Dia.) Type		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		2134	2134		SP		37.8		152X51	3.0	ROUND		
Special Features							·							
Special Features														
					Ut	ilities (L	ocated	at)						
Utility Attachments														
Telephone West fenceline.							Gas							
Power 3 wires (22m) East ditch.					Munici	pal								
Others						Proble	m (Y/N)	No						
Remarks														
Approach Road / Embankment														
			Last	Now	Explanation of Condition Field entrance 150 m north & 150 m south.									
Horizontal Alignment					8	8	Field e	entrance 1	50 m r	orth & 150 m s	outh.			
Vertical Alignment Roadway Width (m)		10.000		8										
, , ,			10.000			I _								
Embankment	4)		1.0	7 7										
Sideslope (:1)		4.0	)			W side measured.								
(Height of Cover(m) : <b>2.9</b> )  Guardrail (Y/N) Yes														
. ,	Guardrail (Y/N)				_	T -	-							
Approach Road / Embankment General Rating					8	8								
					1.	Upstre	1							
Culvert Component			<b>Last</b> W	Now Explanation of Condition										
End Treatment (Concrete, Steel, STEEL			VV		_									
Others, None) Headwall			X	X										
Collar			X	X										
Wingwalls (Shape: )			X	X	-									
(Shape: )			V	V										
Cutoff Wall					X	X								

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm)	600								
Scour Protection			N	Snow covered.					
(Type: RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		8	N						
5 0700	\								
Beavers (Y/N)	No								
Upstream End General Rating		8	8						
				Ivert Barrel					
Culvert Component	tion Code, MAIN Coe			· · ·					
(Pipe # : 1, Primary Span, Loca		ın (mm	): 2134	, RISE (MM): 2134, Type: SP)					
Barrel Last Accessible Date	15-Feb-2012								
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		7	7	Rise could not be measured due to ice.					
Measured Rise (mm)	2065								
Measured At Ring No.									
Sag (mm)	69			(3.2%. 19Jun2002).					
Percent Sag	3								
Sidewall		7	7	Span at R2=2156=22mm					
Measured Span (mm)	2161			Span at R5=2161=27mm=1.3%					
Measured At Ring No.	5			Span at R7=2133=1mm					
Deflection (mm)	27			1.3%					
Percent Deflection	1			1.370					
Floor		N	N	Ice					
Bulge (mm)	0	- ' '							
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		N	7						
Separation (mm) 0			,						
Longitudinal Seams			7						
Total No. of Cracked Rings 0		N	'						
Total No. of Rings with Two									
Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
	. 55			1N					
Coating			7						
Corrosion By Soil (Y/N)	No			Superficial corrosion.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	POS								

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		Brio		Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 2134	, Rise (mm): 2134, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		Х	X						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	Yes			(2/3 high @ D/S end. 19Jun2002).					
Drift (Y/N)	No								
Barrel General Rating		7	7						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall			Х						
Bevel End		8	8	Bottom 2/3 under water.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		N	N	Snow covered.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		N	N						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	8	8						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		6							
Alignment			6	Meandering.					
Bank Stability			6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) No									
Channel Bottom Degrading/Aggrading				Unknown					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

			Maintena	ance Recommer	dations						
Inspector Recommendations	Year	Inspector	r Comments		Department Com	nment	S		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		'									
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	i										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 77.8/7	7.8	Sufficiency Rating (Last/Now) (%)		<b>78.0/77.9</b> E		. Repl. Yr	2050 Maint		qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date				Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lam		Assistant's Name								
Next Inspection Date	15-May-2015		Inspection Date 14-Sep-2005								
Inspection Cycle (Default) (months)	39										
Comment											