Bridge Culvert Inspection														
Bridge File Num	ber	78533 -	-1 Bridge Culve	rt			Form Type		CUL1					
Year Built					Lot No			2						
Bridge or Town Name GRANADA							Inspec	tor Name		Todd Warshawski				
8.11.84.		UTARY TO LOBSTICK RIVER, 34.51.16, WATERCRS-ST				Inspec	tor Class		BR CLS B					
Located On			R1 6.570				Assista	ant Name						
Water Body Cl./Year		11 6.570				Assista	ant Class							
Water Body Cl./Year Navigabil. Cl./Year								tion Date		10-Aug-2012				
Legal Land Loca		SE SE(C 25 TWP 53 R	GE 10 W/	5N/I		Data Entry By Theresa Lacusta							
Longitude, Latitu				GE 10 W	JIVI		Data E	Data Entry Date 27-Aug-2012						
Road Authority			9:50, 53:36:15							Eric Carcoux				
Contract Main. A		CMA12	Transportation (AIT)				Review Date		27-Aug-2012					
Clear Roadway/								Dept. Reviewer Name Brent Herrick						
AADT/Year			3 / 25 deg. (RHF) 30 / 2011 (A)				Dept. Review Date		30-Aug-2012					
Road Classificat			12.4-120			Follow-Up By								
Detour Length (I		1	12.4 120											
Bridge Culvert		•												
Number of Culve		<u> </u>	1											
	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1 1	MAIN		-	2430	430 SP			57.9		152X51	3.0	ROUND		
Special Features Special Features Comment														
Utilities (Located at)														
Utilities (Located at) Utility Attachments														
Telephone							Gas							
Power 3 wires OH South r/w.						Munici	pal							
Others						m (Y/N)								
Remarks	File ta	g U/S.						, ,						
				A	oproac	ch Road	/ Embankment							
					Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	In gradual curve, superelevated.								
Vertical Alignment				8	8									
Roadway Width (m)		12.800				EBL.								
Embankment				4 4		2:1 near culvert end.								
Sideslope (:1)		4.0	4.0			North s	North slope is silt, clay with no vegetation and has minor eros							
(Height of Cover(m) : 4.8)														
Guardrail (Y/N)		No												
Approach Road	d / Emb	ankme	nt General Rat	ing	7	7								
						Upstre	am End							
Culvert Component L					Last	Now		nation of	Condi	tion				
Direction			S											
End Treatment (Concrete, Steel, Others, None)														
Headwall		Х	Х											
Collar			Х	Х										
Wingwalls			Х	X										
(Shape:														
Cutoff Wall					X	X								

78533 -1 Bridge Culvert

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		6	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection			5	
(Type : RIP RAP)		5		
(Avg. Rock Size(mm) : 200)				
Scour/Erosion			5	Settlement of fill 600mm East side, 350mm west side. Grassed and
21001011		5		stable.
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
				Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		pan (mm	ı):	, Rise (mm): 2430, Type: SP)
Barrel Last Accessible Date	13-Sep-2010			iewed from ends, shape & condition appear good.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type:)				
Roof		7	N	
Measured Rise (mm)	2396			
Measured At Ring No.	6			
Sag (mm)	34			
Percent Sag	1			
Sidewall		7	N	
Measured Span (mm)	2478			
Measured At Ring No.	6			
Deflection (mm)	38			
Percent Deflection	1			
Floor		N	N	
Bulge (mm) 0				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	N	
Separation (mm)	0			
Longitudinal Seams		7	N	
Total No. of Cracked Rings	0			1N stagger, (water leaking in around bolts. 09/Mar/2007)
Total No. of Rings with Two Cracked Seams				The stagger, (water reaking in around boils, 09/wai/2007)
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating			N	Minor superficial above waterline, lower 1/2. Partial view.Water is
Corrosion By Soil (Y/N)	No			leaking into culvert through bolt holes Sep, 2010
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	ige Cu	vert Barrel				
Culvert Component		Last Now						
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa):	, Rise (mm): 2430, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		8	8					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy			7					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	Yes							
Barrel General Rating		7	N	Previously rating from 2010 was '7'.				
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	600							
Scour Protection		6	6					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	6	6					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6	Meandering stream.				
Bank Stability		5	6					
HWM (m below Top of Culvert)	0.2							
Drift (Y/N) Yes				Grass on wire fence across channelSep, 2010				
Channel Bottom Degrading/Aggrading	AGGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	6					

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		Maintenance R	ecommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LININ	G						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2012	Install topsoil/seed/matting at N em	bankent.				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/I	Now) 77.8/55	.6 Sufficiency Rating (Last	/Now) 75.3/60.8	Est. Repl. Yr 2038	Maint. Re	qd. (Y/N)	Yes
Comments for required as per Bi	m Manual Sectior	ssed for 2 or more cycles, a Level 2 in 13.9.1.5 Based on observed site everered to a later date.	Department Comments				
Maintenance Reviewed By			Date		Estimated Total	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Todd Warshaw	/ski	Previous Assistant's Name				
Next Inspection Date	10-May-2014		Previous Inspection Date				
Inspection Cycle (Default) (months)	21			13-Sep-2010			
Comment							