					Brido	ao Culve	ort Inch	action				
Bridge File Nur	nhar	70/01 -1	I Bridge Cu	lvort	ынаў	je Curve	Form Type		CULE			
Year Built	IIDEI	1981	i bliuge Cu	ivert			Lot No.		4			
Bridge or Town	Nama									Wade Nanninga		
Located Over	IName		NIMAL, OV	/ER SP			Inspector Name Inspector Class		-			
Located Over		748:02 0		LK SF			Assistant Name		BR CLS A			
Water Body Cl.	Voor	740.02	31 3.330				Assistant Name Assistant Class					
Navigabil. Cl./Y							Inspection Date		16 Apr 2012			
Legal Land Loc		SW SEC	10 TMD 5	4 RGE 17 \	Λ/ ΕΝ Λ		Data Entry By		16-Apr-2013 Theresa Lacusta			
Longitude, Lati			02, 53:38:4		VOIVI							
Road Authority			uz, 55.56.4 Fransportati				Data Entry Date Reviewer Name		30-Apr-2013 Eric Carcoux			
Contract Main.		CMA13	Παπορυπαι	ion (Am)			Reviewer Name Review Date		29-Apr-2013			
							Dept. Reviewer Name		· ·			
	•							Review Da		01-May-2013		
AADT/Year 980 / 2012 (A) Road Classification RCU-209-110					Follow-		ile	01-May-2013				
		10	9-110				- FOIIOW	ор Бу				
Detour Length Bridge Culvert										1		
Number of Culver			1									
Pipe #	Barrel	Span Rise (or			r Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	U/S	-		1799		MP		8		68X13	2.8	ROUND
1	MAIN	_	- 1800			MP		12		125X26	2.8	ROUND
1	D/S	- 1801			MP		8		68X13	2.8	ROUND	
Special Feature				1.00.		1				1007110	12.0	1.100.12
Special Feature	es Comi	ment			Po	seting Ir	nformat	ion				
Required Vert.	Clearan	co Poetin	na (m)			osung ii	llonllat	OH				
Posted Vertical				No								
Posted: Lane			ridge (m)		lvance ((Y/NI)	1	ane WB	0	n Bridge (m)	In Advar	nce (Y/N)
Remarks	Not re		nage (III)	III7C	ivanioc i	(1/14)		anc vvb		in Bridge (III)	III / tavai	100 (1714)
Romano	TTOTTO	, q u			Ut	ilities (l	ocated	at)				
Utility Attachme	ents				<u> </u>	III CO (L	<u>-ocatoa</u>	acj				
Telephone	W. r/w						Gas					
Power		- E. r/w					Municipal					
Others							Problem (Y/N) No					
Remarks							1 1 1 1 1 1 1	(.,,				
					Appr <u>oa</u>	ch <u>Roa</u> c	d / Emb	ankment				
					Last	Now	1	ation of C	Condi	tion		
Horizontal Align	nment				7	7		Access road both directions.				
Vertical Alignm					8	8						
Roadway Width	n (m)		9.800									
Embankment					8	8	Measu	red E. em	bankn	nent.		
Sideslope (_:1)		3.0									
(Height of Co	ver(m) :	1.5)										
Guardrail (Y/N)			No									
Approach Roa	d / Emi	oankmen	t General I	Rating	7	7						
						Upstre	am End					
Culvert Compo	onent					Now	Explan	ation of (Condi	tion		
Direction					W							
End Treatment Others, None)	(Concre	ete, Steel	, NONE									

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span			Rise (mm): 1799, Type: MP)
Barrel Last Accessible Date	16-Apr-2013			Dirt/ice along floor
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof			6	Too much dirt/ice to measure
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				est
Percent Sag	3			
Sidewall			6	
Measured Span (mm)	1810			
Measured At Ring No.	1			
Deflection (mm)	10			
Percent Deflection	1			
Floor			N	
Bulge (mm)			11	
Measured At Ring No.				
Abrasion (Y/N)				
			7	
Circumferential Seams Separation (mm)	20		7	
	LZU			4

79491 -1 Bridge Culvert

		Bric	lge Cul	ulvert Barrel	
Culvert Component		Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1799, Type: MP)	
Longitudinal Seams			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			4	Pitting on floor	
Corrosion By Soil (Y/N)	Yes				
Corrosion By Water (Y/N)	Yes				
Camber POS/ZERO/NEG	ZERO				
Ponding (Y/N)	No				
Fish Passage Adequacy			Х		
Baffle			Х		
(Type:)					
Waterway Adequacy			6		
Icing (Y/N)	No				
Silting (Y/N)	No				
Drift (Y/N)	No				
Barrel Extension General Ratin	g		6		
		Bric	lae Cul	ulvert Barrel	
Culvert Component		Brid Last		Ilvert Barrel Explanation of Condition	
Culvert Component (Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	Last	Now		
	tion Code: MAIN, Spa 16-Apr-2013	Last	Now	Explanation of Condition	
(Pipe # : 1, Primary Span, Locat		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Locat Barrel Last Accessible Date		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Locat Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last n (mm	Now):	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor	
(Pipe # : 1, Primary Span, Locate Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof		Last n (mm	Now):	Explanation of Condition , Rise (mm): 1800, Type: MP)	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm)		Last n (mm	Now):	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.		Last n (mm	Now):	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	16-Apr-2013	Last n (mm	Now):	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	16-Apr-2013	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	16-Apr-2013	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	16-Apr-2013	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	16-Apr-2013 5 1850	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	16-Apr-2013 5 1850	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection	16-Apr-2013 5 1850	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	16-Apr-2013 5 1850 50 3	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	16-Apr-2013 5 1850 50 3	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	16-Apr-2013 5 1850 50 3	Last n (mm	Now	Explanation of Condition , Rise (mm): 1800, Type: MP) Silt/mud/ice along floor est	

79491 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1800, Type: MP)
Longitudinal Seams		Х	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		4	4	Pitting rust on floor
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy	I	Х	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		Dei	dana Cu	Ivert Barrel
		DIIC	age Cu	ivert barrer
Culvert Component			Now	Explanation of Condition
Culvert Component (Pipe # : 1, Primary Span, Loca	tion Code: D/S, Span	Last	Now	
•	tion Code: D/S, Span 16-Apr-2013	Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :)		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature		Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :)		Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof		Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP)
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)		Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No.		Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	16-Apr-2013	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	16-Apr-2013	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	3 1810	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm)	16-Apr-2013 3	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No.	3 1810	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor	3 1810 1	Last	Now , F	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm)	3 1810 1	Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	3 1810 1	Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N)	3 1810 1	Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor
(Pipe # : 1, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type :) Special Feature (Type :) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No.	3 1810 1	Last	Now	Explanation of Condition Rise (mm): 1801, Type: MP) Dirt/ice along floor

		Brid		lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: D/S, Span	(mm):	, F	Rise (mm): 1801, Type: MP)
Longitudinal Seams			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			4	Pitting on floor
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy	1		Х	
Baffle			Х	
(Type:)				
Waterway Adequacy			6	
Icing (Y/N)	No		0	
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Ratin			6	
Barrer Extension General Ratin	'9			
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction	ı	Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	X	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		5	5	Partially cut off
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	6	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	6	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	5	5	

		S	Structu	re Usage
				Explanation of Condition
Grade Separation			_	
Road Alignment		Х	X	
Roadway Surface		7	7	
(Type : SOIL)				
Icing (Y/N)	No			
Traffic Safety Features		Х	X	
Туре	None		_	
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		4	N	(Ponding @ East end 20-Nov-2010).
				Snow covered
Structure In Use (Y/N)	Yes			
Grade Separation General Rati	ng	4	4	GR carried fwd

79491 -1 Bridge Culvert

		Maintenance	Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Ye	ar 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) 66.7/66	.7 Sufficiency Rating (La (%)	st/Now) 72.5/63.2	Est. Repl. Yr	2030 Maint.	Reqd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated T	otal 0	
Proposed Long-Term Strategy						·	
On 3-Year Program (Y/N)							
Proposed Action							
			Previous Assistant's Name	Junaid Iqbal			
Previous Inspector's Name	Brent Herrick		1 Tevious Assistant's Ivanie	0 011 1011 01 1 1 1 1 1 1 1			
Previous Inspector's Name Next Inspection Date	Brent Herrick 16-Jul-2016		Previous Inspection Date	02-Oct-2012			