Bridge File Number   1985					=	Brido	e Culve	ert Insp	ection					
Year Bulls	Bridge File Nur	mber	80984 -	1 Bridge Culve		ПСС	,o cant				CULM			
Bridge or Town Name   Located Over								71						
Located Over	Bridge or Town Name VALHALLA CEN							Inspector Name						
B.10.58.18.2.15, WATERCRS-ST	Located Over						<u> </u>							
March Body CL/Year   Navigabl				RCRS-ST										
Navigabil. CL/Year   Legal Land Location	Located On		C1 22.046	1 22.046										
Data Entry By	•									11-May-2010				
Longitude, Latitude									·		sta			
Road Authority			C 6 TWP 74 R	C TIME 74 DOE O MAM					Data Entry Date					
Contract Main. Area   CMA05   CMA05   Clear Roadway/Skew   12 / 10 deg. (RHF)   Clear Roadway/Skew   Clear Roadw				•				Reviewer Name			Arnold Assenheimer			
Clear Roadway/Skew   12 / 10 deg. (RHF)   Dept. Review Date   10 - Sep-2010					(AIT)			Review Date		07-Jun-2010				
AADT/Year								Dept. F	Reviewer N	Name	Steve Pasquar	า		
Road Classification		//Skew						•		10-Sep-2010				
Detour Length (km)   5				. ,				Follow	-Uр Ву					
Special Features			RCU-21	1-110										
Number of Culverts   2		· /												
Pipe #   Barrel														
1		verts			I		1		I		I	I		
2	Pipe #	Barrel		Span	Rise (or D	ia.)	Туре		Length		Corr. Profile		Shape	
Utilities   Content	1	MAIN		-	1200		MP		23		125X26	2.8	ROUND	
Utility Attachments	2	MAIN		-	1200		MP		23		125X26	2.8	ROUND	
Utility Attachments	Special Feature	es												
Utility Attachments	Special Feature	es Comi	ment											
Utility Attachments														
Telephone	Living Asset					Ut	ilities (L	_ocated	at)					
No		ents						1_						
No	·													
Approach Road / Embankment   Last   Now   Explanation of Condition		3 lines	s O/H ea	st r/w.										
Approach Road / Embankment								Proble	m (Y/N)	NO				
Last   Now   Explanation of Condition	Remarks				Аюк		oh Doo	d / Emb	ankmant					
Horizontal Alignment										Condi	tion			
Vertical Alignment         7         7           Roadway Width (m)         11.000         Image: square sq	Horizontal Alig	nment						LAPIGI	iation or v	Jonai				
Roadway Width (m)								-						
Embankment				11 000										
Sideslope (_:1)	Roadway Widt	(111)		11.000										
Culvert Component   Last   Now   Explanation of Condition	Embankment					8	8							
Guardrail (Y/N)  Approach Road / Embankment General Rating  T  Upstream End  Culvert Component Last Now Explanation of Condition  (Pipe # : 1, Span Type: Primary Span)  Direction End Treatment (Concrete, Steel, Others, None)  Headwall  X X X  Wingwalls X X X	Sideslope (_	_:1)		2.0										
Approach Road / Embankment General Rating 7 7  Upstream End  Culvert Component	(Height of Co	ver(m)	1.2)											
Culvert Component   Last   Now   Explanation of Condition    (Pipe # : 1, Span Type: Primary Span)  Direction   W   South pipe    End Treatment (Concrete, Steel, Others, None)   X   X    Headwall   X   X    Wingwalls   X   X	Guardrail (Y/N)	)		No										
Culvert Component   Last   Now   Explanation of Condition    (Pipe # : 1, Span Type: Primary Span)  Direction   W   South pipe    End Treatment (Concrete, Steel, Others, None)   X   X    Headwall   X   X    Wingwalls   X   X    Explanation of Condition    South pipe    South pipe	Approach Roa	ad / Eml	bankmei	nt General Rat	ing	7	7							
Culvert Component   Last   Now   Explanation of Condition    (Pipe # : 1, Span Type: Primary Span)  Direction   W   South pipe    End Treatment (Concrete, Steel, Others, None)   X   X    Headwall   X   X    Wingwalls   X   X    Explanation of Condition    South pipe    South pipe							Haatra	om End						
(Pipe # : 1, Span Type: Primary Span)  Direction W South pipe  End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X	Culvert Comp	onent				264				Condi	tion			
Direction W South pipe  End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X			o Prima	ry Span)	L	<b>-</b> 431	140W	LAPIAI	ation of C	Jonal				
End Treatment (Concrete, Steel, Others, None)  Headwall X X  Collar X X  Wingwalls X X		an rypi		i y Opaii)	,	۸/		South	oine					
Headwall X X  Collar X X  Wingwalls X X	End Treatment (Concrete, Steel,		I, STEEL	V	/V		South	oipe						
Wingwalls X X	Headwall				X	X								
	Collar					X	X							
	Wingwalls					X	X							
	(Shape: )													

			Unetro	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Snan\	Lasi	INOW	Explanation of Condition
Cutoff Wall	у Оран)	Х	Х	
Cuton wan		_ ^	_ ^	
Bevel End		7	4	Scour under bevel 2.5mLx1.5mWx0.3mD
Heaving (mm) 0				
Invert Above/Below Stream Bed ABOVE				
Above/Below (mm)	200			
Scour Protection		4	4	
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		4 4		Scour under bevel 2.5m long X 1.5m wide X 0.3m deep (photo)
D 07/40	\			
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
,				
			T -	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca		ın (mm	1):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	11-May-2010			South pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		3	3	photo
Measured Rise (mm)	1075			, priore
Measured At Ring No.				
Sag (mm)	125			C/L of culvert.
Percent Sag	10			
Sidewall		3	3	photo
Measured Span (mm)	1321			
Measured At Ring No.				C/L of culvert
Deflection (mm)	121			
Percent Deflection	10			
Floor	-	6	6	
Bulge (mm)	0			
Measured At Ring No.				- cl
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	30			
Longitudinal Seams		Х	Х	
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		5	5	
Corrosion By Soil (Y/N) No				
Corrosion By Water (Y/N)	Yes			

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 1200, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N) No				
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		3	3	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction	I	E		South pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	X	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	0			
	ABOVE			
Above/Below (mm)	200			
Scour Protection		4	4	
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm):)		1		
Scour/Erosion		4	4	Scour hole 3m long X 1.5m wide X 1m deep(photo)
Beavers (Y/N)	No			
Downstream End General Ratio	ng	4	4	
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)	1		I
Direction		W		North pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		X	X	

80984 -1 Bridge Culvert

			Unstre	eam End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	arv Span)		1	<del></del>
Bevel End		7	7	
Heaving (mm)	200			
Invert Above/Below Stream Bed				
Above/Below (mm)	300			
Scour Protection		4	4	
(Type : <b>NONE</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		4	4	Scour underneath bevel 2.7m long X 1.5m wide X 0.4m deep (photo)
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	11-May-2010			North pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	1125			
Measured At Ring No.				
Sag (mm)	75			C/L of road.
Percent Sag	6			
Sidewall		4	4	
Measured Span (mm)	1291			
Measured At Ring No.				
Deflection (mm)	91			C/L of road.
Percent Deflection	8			
Floor		7	7	
Bulge (mm)	0			1
Measured At Ring No.				
	No			
Circumferential Seams		6	6	
Separation (mm)	50			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		5	5	
Corrosion By Soil (Y/N) No				1
Corrosion By Water (Y/N) Yes				
Camber POS/ZERO/NEG	NEG			

		Brio	dge Cu	lvert Barrel			
			Now	Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	pan (r	mm):	, Rise (mm): 1200, Type: MP)			
Ponding (Y/N)	No						
Fish Passage Adequacy		7	7				
Baffle			Х				
(Type:)							
Waterway Adequacy		7	7				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		4	4				
		D	ownst	ream End			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 2, Span Type: Second	lary Span)						
Direction	,	Е		North pipe			
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )							
Cutoff Wall		Х	X				
Bevel End		7	7				
Heaving (mm)	0						
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	200		_				
Scour Protection		7	4	Scour hole 1mWx3mLx0.4mDphoto			
(Type : <b>NONE</b> )							
(Avg. Rock Size(mm):)			_				
Scour/Erosion		7	4				
Beavers (Y/N)	No						
Downstream End General Ratio	ng	7	4				
		5	Structu	re Usage			
		1	Now	Explanation of Condition			
Channel (U/S and D/S)			111011				
Alignment		7	7				
Bank Stability		7	7				
HWM (m below Top of Culvert)				NO HWM visible			
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading							
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :							
(Fish Compensation Measure 2 :							
Channel General Rating		7	7				

		Maintenance Reco	mmendations					
Inspector Recommendations	Year	Inspector Comments	Department Comm	nents	Та	arget Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP	2010	Place 30 M3 or class 1 riprap at d/s and bevels and scour holes.	d u/s					
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	6							
INSTALL STRUTS	2010	Strut south pipe.						
INSTALL CONCRETE COLLAR/CUT	OFF							
REPAIR SEAMS								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/N (%)	ow) 33.3/33	.3 Sufficiency Rating (Last/No (%)	w) 50.9/51.0	Est. Repl. Yr	2030	Maint. Red	qd. (Y/N)	Yes
Special Monitor barrel. Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Esti	mated Total	0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Laurie McCarro	on P	Previous Assistant's Name Russel Vanderschaa					
Next Inspection Date	11-Aug-2013	P	revious Inspection Date	us Inspection Date 26-Nov-2008				
Inspection Cycle (Default) (months)	39		·					
Comment								