				B	ridae	Culv	ert Insped	ction				
Bridge File Nu	ımhar	07832 -1	I Bridge Culve		ruge	Guive	Form Ty		CULM			
Year Built	iiiibei	1992	i Bridge Cuive	11			Lot No.	/pe	4			
	n Nama		DD.					or Nama	Brian Pientsch			
Bridge or Town Located Over	n ivame				Inspector Name							
			REEK, 8.11.80	.52, WATER	CKS	5-51	Inspector Class		BR CLS A			
Located On	1.07	750:02 (C1 13.024		Assistant Name			Lisbeth Medin	a			
Water Body Cl							Assistan		00.5			
Navigabil. Cl./							Inspection		02-Dec-2010			
Legal Land Location NE SEC 13 TWP 75 RGE 15 V				GE 15 W5M	1		Data En		Theresa Lacus	sta		
Longitude, Latitude -116:10:58,							Data En		03-Jan-2011			
			Transportation	(AIT)				er Name	Arnold Assenh	eimer		
Contract Main.		CMA06					Review		20-Dec-2010			
Clear Roadwa	y/Skew		3 deg. (RHF)				· ·		David Morrison	n		
AADT/Year		1,210 / 2					-	eview Date	31-Mar-2011			
Road Classific		RCU-21	0-110				Follow-L	Јр Ву				
Detour Length		2										
Bridge Culver												
Number of Cul			3									
Pipe #	Barrel		Span 	Rise (or Dia	a.)	Туре	I	Length	Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-	-	2400		MP		32	125X26	2.8	ROUND	
2	MAIN	-	-	2400		MP	;	32	125X26	2.8	ROUND	
3	MAIN	-	-	2400		MP		32	125X26	2.8	ROUND	
Special Featur	res											
Special Featur	res Comi	ment										
•												
					Util	ities (L	Located a	at)				
Utility Attachm	nents				Util	ities (l	Located a	at)				
•					Util	ities (l	Located a	at)				
Telephone		e o/h alon	g North ditch		Util	ities (l						
Telephone Power		e o/h alon	g North ditch		Util	ities (l	Gas	al				
Telephone Power Others		e o/h alon	g North ditch				Gas Municipa Problem	al n (Y/N) No				
Telephone Power Others		o/h alon	g North ditch		roac	h Roa	Gas Municipa Problem	al No				
Telephone Power Others Remarks	3 wire	e o/h alon	g North ditch		roac ast		Gas Municipa Problem	al n (Y/N) No	tion			
Telephone Power Others Remarks Horizontal Alig	3 wire	o/h alon	g North ditch		roac ast	h Road Now	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig	3 wire	e o/h alon			roac ast	h Road Now	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig	3 wire	e o/h alon	g North ditch		roac ast	h Road Now	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm	3 wire	e o/h alon			roac ast	h Road Now	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm	3 wire	e o/h alon			roac ast 8	h Road Now 8 8	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt	3 wire		10.400		roac ast 8	h Road Now 8 8	Gas Municipa Problem	al No	tion			
	3 wire		10.400		roac ast 8	h Road Now 8 8	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co	3 wire gnment ment th (m) _:1) over(m):	: 1.5)	10.400 4.0 Yes	L	roac ast 8 8	h Road Now 8 8	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co	3 wire gnment ment th (m) _:1) over(m):	: 1.5)	10.400 4.0 Yes	L	roac ast 8	h Road Now 8 8	Gas Municipa Problem	al No	tion			
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co	gnment ment th (m) _:1) over(m):	: 1.5)	10.400 4.0 Yes	Li	8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embar Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Road Culvert Comp	gnment ment th (m) _:1) over(m):	: 1.5) bankmen	10.400 4.0 Yes	Li	8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embar Explana	al No				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Road Culvert Comp	gnment ment th (m) _:1) over(m):	: 1.5) bankmen	10.400 4.0 Yes	ing	roac ast 8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embai Explana am End Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Roa Culvert Comp (Pipe #: 1, Sp Direction	gnment ment th (m) _:1) over(m): pad / Emi	: 1.5) bankmen e: Primar	10.400 4.0 Yes at General Rate ry Span)	Li	roac ast 8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embar Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Roa Culvert Comp (Pipe # : 1, Sp Direction End Treatmen	3 wire gnment nent th (m) _:1) over(m): brad / Emb	: 1.5) bankmen e: Primar	10.400 4.0 Yes at General Rate ry Span)	ing	roac ast 8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embai Explana am End Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co	3 wire gnment nent th (m) _:1) over(m): brad / Emb	: 1.5) bankmen e: Primar	10.400 4.0 Yes at General Rate ry Span)	ing	roac ast 8 8 8	h Road Now 8 8	Gas Municipa Problem d / Embai Explana am End Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Road Culvert Comp (Pipe # : 1, Sp Direction End Treatmen Others, None)	3 wire gnment nent th (m) _:1) over(m): brad / Emb	: 1.5) bankmen e: Primar	10.400 4.0 Yes at General Rate ry Span)	ing	roac ast 8 8 8	h Road Now 8 8 7	Gas Municipa Problem d / Embai Explana am End Explana	al n (Y/N) No nkment ation of Condit				
Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Road Culvert Comp (Pipe # : 1, Sp Direction End Treatmen Others, None) Headwall	3 wire gnment nent th (m) _:1) over(m): brad / Emb	: 1.5) bankmen e: Primar	10.400 4.0 Yes at General Rate ry Span)	ing	roac ast 8 8 8	h Road Now 8 8 7	Gas Municipa Problem d / Embai Explana am End Explana	al n (Y/N) No nkment ation of Condit				

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	Х	
Bevel End		5	5	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		5	5	
(Type : NATURAL)				
(Avg. Rock Size(mm):)			_	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	02-Dec-2010			East pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	7	
Measured Rise (mm)				Measurements not taken, floor under ice.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	7	
Measured Span (mm)	2481			@ cl
Measured At Ring No.				
Deflection (mm)	81			
Percent Deflection	4			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)			1	
Circumferential Seams		N	6	
Separation (mm)	40			
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		N	5	Superficial rust and scaling lower 1/2.
Corrosion By Soil (Y/N)	No			
Corresion By Water (V/N)	Ves			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2400, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		N	Х	
(Type:)			1	
Waterway Adequacy	1	7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
	ĭ	D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		N		(North)
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		5	5	Superficial rust above ice line.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		5	5	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		S		Middle pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	

	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)								
Bevel End		5	5						
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		5	5						
(Type : NATURAL)									
(Avg. Rock Size(mm):)			_						
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Upstream End General Rating		5	5						
		Brid	dae Cu	ilvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)					
Barrel Last Accessible Date	02-Dec-2010			Middle pipe.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof		N	7						
Measured Rise (mm)				Measurements not taken-floor under ice.					
Measured At Ring No.									
Sag (mm)									
Percent Sag									
Sidewall		N	7						
Measured Span (mm)	2430			@ CL					
Measured At Ring No.				- W CL					
Deflection (mm)	30								
Percent Deflection	2								
Floor		N	N	Under ice.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	6						
Separation (mm)	50								
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		N	5	Superficial rust and scaling lower 1/2.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								

		Brio	dge Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2400, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7						
Baffle		N	Х						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		7	7						
		D	ownstr	ream End					
Culvert Component				Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		N		Middle pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		5	5	Superficial rust above ice line.					
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	600								
Scour Protection		5	5						
(Type: NATURAL)									
(Avg. Rock Size(mm):)									
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	5	5						
			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 3, Span Type: Second	ary Span)								
Direction		S		West pipe,					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		N	5						
Heaving (mm)				1					

07832 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	600			
Scour Protection		5	5	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	cation Code: MAIN, S	Span (ı	mm):	, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	02-Dec-2010			West pipe.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N	7	
Measured Rise (mm)				Measurements not taken-floor under ice.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	7	
Measured Span (mm)	2482			at cl
Measured At Ring No.				
Deflection (mm)	82			
Percent Deflection	4			
Floor		N	N	Under ice
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	6	
Separation (mm)	40			
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		N	5	Superficial rust and scaling lower 1/2.
Corrosion By Soil (Y/N)	No	14		Superioral radication dealing 10Wol 1/2.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
1 Unumy (1/N)	INU			

		Brid	dae Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN, S			, Rise (mm): 2400, Type: MP)
Fish Passage Adequacy		7	7	
Baffle		N	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Span Type: Second	lary Span)	1		I
Direction	OTES!	N		West pipe
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		5	5	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		5	5	
(Type: NATURAL)				
(Avg. Rock Size(mm):)		1	1	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		1	1	
Alignment		8	8	
Bank Stability		8	7	
HWM (m below Top of Culvert)				
Drift (Y/N)	No			HWM not visible.
Channel Bottom Degrading/Aggrading				Stable
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		8	8	

			Maintananaa	December	lations						
Inapactor Decommendations	Year	Inspector Co	Maintenance	Recommend	Department Cor		to		Target Year	Est. Cost	Cat #
Inspector Recommendations	real	inspector Co	mments		Department Cor	mmeni	เร		rarget rear	ESI. COSI	Cat
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP											-
REMOVE DRIFT ACCUMULATION											-
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											_
INSTALL CONCRETE COLLAR/CUTO)FF										+
REPAIR SEAMS	21.1										+
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 77.8/77	7.8 Suf (%)	fficiency Rating (Las	st/Now)	72.9/73.1	Est	t. Repl. Yr	2037	Maint. Re	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	Brian Pientsch			Previous	s Assistant's Name Tim Miskiman			า			
Next Inspection Date	02-Mar-2014			Previous	Inspection Date 25-Jul-2007						
Inspection Cycle (Default) (months)	39				•						
Comment											