Legal Land Location						Brida	o Culve	ort Inena	ection					
Visar Boult	Bridge File Nur	nher	73461 -3	2 Bridge Culve	rt	Billag	e Cuive				CHLM			
Inspector Name														
Located Over										<u> </u>				
Located On								·						
Water Body CL/Year Navigabil CL/Year Nav								·						
Navigabil. Cl./Year Legal Land Location SW SEC 18 TWP 123 RGE 18 W5M Data Entry By Theresa Lacusta Longitude, Latitude 117:09:20, 59:41:06 Data Entry Date 28-Feb-2012 Montand Halphority Contract Main. Area CMA01 Reviewer Name Eric Carcoux Contract Main. Area CMA01 Reviewer Name Eric Carcoux Contract Main. Area CMA01 Reviewer Name Eric Carcoux Contract Main. Area CMA01 Dept. Reviewer Name 26-Feb-2012 Clear Roadway/Skew 11/-17 deg. (LHF) Dept. Reviewer Name Dept. Revi											Join Guoriotto			
Legal Land Location	Navigabil. Cl./Year									10lan-2012				
Longitude, Latitude 417:08:20, 59:41:08			SW SEC											
Road Authority														
Contract Main. Area														
Clear Roadway/Skew														
AADT/Year 370 / 2011 (A) Dept. Review Date 30-Mair 2012 Road Classification Percent RAU-210-110 Follow-Up By Bridge Culvert Information Pipe # Barrel Span Rise (or Dia.) Type Length Corr. Profile Pil/Slab Thickness Thickn	Clear Roadway	/Skew	11 / -17	deg. (LHF)							David Morrison	n		
Road Classification RAU-210-110 999 999 879	AADT/Year													
Special Features Span Rise (or Dia.) Type Length Corr. Profile PL/Slab Thickness Thickness Thickness Shape Thickness Thickne	Road Classifica	ation						Follow-	Up By					
Number of Culverts 2	Detour Length	(km)	999											
Pipe # Barrel			ation											
1	Number of Culv	/erts		2										
2	Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape	
Utilities Content	1	MAIN	-	-	4920		SP		51.82		152X51	4.0	ROUND	
Utility Attachments	2	MAIN					SP		51.82		152X51	4.0	ROUND	
Utilities (Located at) Utility Attachments Telephone Power Others Remarks Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment Vertical Alignment Roadway Width (m) Embankment Sideslope (_:1) (Height of Cover(m) : 2.1) Guardrail (Y/N) Approach Road / Embankment General Rating Vertical Rating Upstream End Culvert Component Pipe #: 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall 7 7 7 Sinow covered. Wingwalls X X	Special Feature	es												
Utility Attachments	Special Feature	es Comi	ment											
Utility Attachments														
Cas Gas	Little Attackers					Uti	ilities (L	ocated	at)					
Now Problem (Y/N) No		ents								O 1:				
Problem (Y/N) No	-									Gas II	ne East r/w.			
Approach Remarks Approach Road Embankment								No						
Approach Road / Embankment Explanation of Condition								FIODICI	II (1/I N)	INO				
Horizontal Alignment	Remarks				Δι	nnroa	ch Road	l / Emba	ankment					
Horizontal Alignment														
Roadway Width (m)	Horizontal Aligr	nment												
Embankment	Vertical Alignm	ent				8	7							
Sideslope (_:1)	Roadway Width	n (m)		11.800	11.800									
(Height of Cover(m): 2.1) Guardrail (Y/N) Approach Road / Embankment General Rating 8 7 Upstream End Culvert Component	Embankment					7	7							
Guardrail (Y/N) Approach Road / Embankment General Rating B Tupstream End Culvert Component (Pipe # : 1, Span Type: Primary Span) Direction End Treatment (Concrete, Steel, Others, None) Headwall T Collar T No South pipe. South pipe. Find Treatment (Concrete, Steel, Others, None) T N Snow covered. Wingwalls X X	Sideslope (_:1)		4.0										
Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction W South pipe. End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall 7 7 Collar 7 N Snow covered. Wingwalls X X	(Height of Co	ver(m) :	2.1)											
Upstream End Culvert Component	Guardrail (Y/N)			No	No									
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction W South pipe. End Treatment (Concrete, Steel, Others, None) 7 7 Collar 7 N Snow covered. Wingwalls X X	Approach Roa	d / Eml	oankmen	t General Rat	ing	8	7							
Culvert Component Last Now Explanation of Condition (Pipe # : 1, Span Type: Primary Span) Direction W South pipe. End Treatment (Concrete, Steel, Others, None) 7 7 Collar 7 N Snow covered. Wingwalls X X							Unstre	am End						
(Pipe # : 1, Span Type: Primary Span) Direction W South pipe. End Treatment (Concrete, Steel, CONCRETE Others, None) 7 7 Headwall 7 N Snow covered. Wingwalls X X	Culvert Compo	onent				Last		1		Condi	tion			
End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall Collar 7 N Snow covered. Wingwalls X X			e: Primai	ry Span)										
End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall Collar 7 N Snow covered. Wingwalls X X	Direction					W		South	oipe.					
Headwall 7 7 Collar 7 N Snow covered. Wingwalls X X	End Treatment (Concrete, Steel, Others, None)		, CONCRETE					•						
Wingwalls X X	Headwall					7	7							
	Collar	Collar				7 N		Snow covered.						
(Shape:)	Wingwalls					Х	X							
	(Shape :)													

73461 -2 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		8	7	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Upstream End General Rating		8	7	
		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): 4920, Type: SP)
Barrel Last Accessible Date	10-Jan-2012			(Southpipe)
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	7	Unable to measure due to silt/ice.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	7	
Measured Span (mm)	4909			
Measured At Ring No.	6			
Deflection (mm)	11			
Percent Deflection	0			
Floor		N	N	Approx 1m silt on floor
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	8	
Separation (mm)	0		_	
Longitudinal Seams		N	8	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				2N stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		8	7	Some corrosion on bilts on last ring.
Corrosion By Soil (Y/N)	No			
Correcion By Water (V/N)	Vos			

		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 4920, Type: SP)
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		N	N	
(Type : SPOILER)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	Yes			
Barrel General Rating		N	7	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Direction		E		South pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	Minor cracks on top of headwall26-May-2010
Collar		7	N	5 horizontal narrow cracks on South side of collar26-May-2010
Wingwalls		X	X	
(Shape :)				
Wingwalls		N	N	
Bevel End		9	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			End of bevel under water/snow.
Above/Below (mm)	1000			
Scour Protection		9	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)			1	
Scour/Erosion		9	8	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
				am End
Culvert Component	_ `	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction	T	W		North pipe
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	Medium crack on South corner26-May-2010
Collar		7	N	Snow covered
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	

73461 -2 Bridge Culvert

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1000			
Scour Protection		8	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		8	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brio	dge Cu	livert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 4920, Type: SP)
Barrel Last Accessible Date	22-Nov-2006			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	
Measured Rise (mm)				Measurements not taken due ice on floor.
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		8	8	
Measured Span (mm)	4941			
Measured At Ring No.				
Deflection (mm)	31			
Percent Deflection				
Floor		N	N	Approx 1m ice on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	8	
Separation (mm)	0			
Longitudinal Seams		N	8	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				2N stagger
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	POS			

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 4920, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy		9	9					
Baffle		N	N	Not visible				
(Type : SPOILER)								
Waterway Adequacy		9	9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N) No								
Barrel General Rating		N	8					
		D	ownst	ream End				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)	1	111011	1 				
Direction		Е						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		8	7					
Collar		7	N	4 narrow cracks on North side of collar26-May-2010				
Wingwalls		Х	Х					
(Shape :)								
Cutoff Wall		N	N					
Bevel End		9	8					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1000							
Scour Protection		9	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 500)								
Scour/Erosion		9	8					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	7					
			Structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)			_					
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	Yes			U/S end caught on collar.				
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	Baffles)			Not visible				
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

			Maintenance	Recommen	dations					
Inspector Recommendations	Year Inspector Comments				Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION	2012	Caught on u/	s collar.							
INSTALL CONCRETE/STEEL LINING	3									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 55.6/77	55.6/77.8 Sufficiency Rating (Las		st/Now)	67.7/78.7	Est. Repl. Yr	2050 Maint. Re		qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Brian Pientsch			Previous	ıs Assistant's Name Lisbeth Medina					
Next Inspection Date	10-Oct-2013			Previous	Inspection Date	26-May-2010				
Inspection Cycle (Default) (months)	21									
Comment										