					Brida	e Culve	ert Inspe	ction					
Bridge File Nur	mber	71118 -	1 Bridge Culv				Form Type		CULM				
Year Built/Line		1994/19		<u> </u>			Lot No.	, p =		4			
Bridge or Town		DIXON					Inspector Name		Russel Vanderschaaf				
Located Over	i i tairio		ARY TO WH	ITEMUD RI	VFR		Inspector Class		BR CLS B				
2004.04 0 70.			4, WATERCE				Assistant Name		5.1 020 5				
Located On		35:04 C	1 31.214				Assista						
Water Body CI	./Year									16-Nov-2011			
Navigabil. Cl./\	ear/						Inspection Date Data Entry By		Lisa Fairhurst				
Legal Land Location SW SEC 36 TWP 86 RGE 24 W			RGE 24 W	5M			ntry Date		16-Dec-2011				
Longitude, Latitude -117:39:46, 56:30:06						er Name		Eric Carcoux					
Road Authority Alberta Transportation (AIT)					Review			12-Dec-2011					
Contract Main.	Area	CMA04							lama	Steve Pasqua	ın.		
Clear Roadway	//Skew	10.7 /						eviewei iv		10-Jan-2012			
AADT/Year		1,910 / 2	2010 (A)				Follow-l		ıc	10-3411-2012			
Road Classifica	ation	RAU-21					FOIIOW-	эр Бу					
Detour Length	(km)	12											
Bridge Culver		nation					<del>'</del>						
Number of Cul			3										
Pipe #	Barrel	Span Rise (or		Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
4	MAIN F			1500		SSP		76.8			9.9	ROUND	
5	MAIN F	-ULL -	-	1500		SSP		76.8			9.9	ROUND	
6	MAIN F	-ULL -	-	1500		SSP		76.8			9.9	ROUND	
Special Feature						<u> </u>							
Special Feature	es Com	ment											
					Uti	ilities (L	_ocated	at)					
Utility Attachme	ents					,		<u>'</u>					
Telephone		d 1m eas	t				Gas						
Power	OH 1	5m east					Municipal						
Others							Problem (Y/N) No						
Remarks													
				Ap	proac	ch Road	d / Emba	nkment					
				Ì	Last	Now	Explana	Explanation of Condition					
Horizontal Alig	nment				7	6		Driveway south end. No passing south bound traffic, hill to the					
Vertical Alignment				6	6	curves	east.						
Roadway Widt	h (m)		10.700										
Embankment					7	7							
Sideslope (_	:1)		3.0			1							
(Height of Co		: 4)											
Guardrail (Y/N)		-,	Yes										
Approach Road / Embankment General Rating			ating	6	6								

71118 -1 Bridge Culvert

			eam End				
Culvert Component		Last	Now	Explanation of Condition			
(Pipe #: 4, Span Type: Second	lary Span)						
Direction		W		South pipe			
End Treatment (Concrete, Steel, Others, None)	NONE						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		Х	Х				
(Shape: )							
Cutoff Wall		Х	Х				
Bevel End		N	Х				
Heaving (mm)							
Invert Above/Below Stream Bed							
Above/Below (mm)			1				
Scour Protection		N	4	Minor erosion around u/s end			
(Type : RIP RAP)							
(Avg. Rock Size(mm) : 150)			1				
Scour/Erosion		N	4	Minor erosion around u/s end			
Beavers (Y/N)	No						
Upstream End General Rating		4	4				
		Brio	dge Cu	lvert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
Culvert Component (Pipe # : 4, Secondary Span, Lo		Last	Now				
•		Last	Now	Explanation of Condition			
(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : )	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : ) Special Feature	cation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : ) Special Feature (Type : )	cation Code: MAIN, S	Last Span (n	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm)	cation Code: MAIN, S	Last Span (n	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No.	cation Code: MAIN, S	Last Span (n	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	10-Feb-2010	Last Span (n	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends			
(Pipe # : 4, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	10-Feb-2010	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)			
(Pipe # : 4, Secondary Span, Lo 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	0	Last Span (n	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection.			
(Pipe # : 4, Secondary Span, Lo 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)	10-Feb-2010	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible.			
(Pipe # : 4, Secondary Span, Lo 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.	0 1494	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection.			
(Pipe # : 4, Secondary Span, Lo 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)	0	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection.			
(Pipe # : 4, Secondary Span, Lo 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	0 1494	Last span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection. Pitting rust on walls above ice level 10 feb 2010)			
(Pipe # : 4, Secondary Span, Lo 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	0 1494	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection.			
(Pipe # : 4, Secondary Span, Lo 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)	0 1494	Last span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection. Pitting rust on walls above ice level 10 feb 2010)			
(Pipe # : 4, Secondary Span, Lo 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.	0 1494	Last span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection. Pitting rust on walls above ice level 10 feb 2010)			
(Pipe # : 4, Secondary Span, Lo 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)	0 1494	Last Span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection. Pitting rust on walls above ice level 10 feb 2010)			
(Pipe # : 4, Secondary Span, Lo 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.	0 1494	Last span (n	Nownm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from top of ice and crown at d/s end. Viewed from ends  (Rated based on 45 % visibility.10 Feb 2010)  (Measured approx. 30m from u/s until accessible. Inward deflection. Pitting rust on walls above ice level 10 feb 2010)			

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe #: 4, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1500, Type: SSP)					
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	No coating on SSP.					
Corrosion By Soil (Y/N)	No			Pitting rust on sidewalls and roof.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								
Fish Passage Adequacy		6	7						
Baffle		N	Х						
(Type:)			1						
Waterway Adequacy	I	4	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No		1						
Barrel General Rating		4	4	GR carried forward 10 Feb 2010					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 4, Span Type: Second	ary Span)								
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	NONE								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape: )									
Cutoff Wall		Х	Х						
Bevel End		Х	Х						
Heaving (mm)									
Invert Above/Below Stream Bed									
Above/Below (mm)									
Scour Protection		N	6						
(Type: RIP RAP)									
(Avg. Rock Size(mm) : 150)									
Scour/Erosion		N	6						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	4	6						

71118 -1 Bridge Culvert

	ĭ		Upstre	
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 5, Span Type: Second	lary Span)			
Direction		W		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		N	Х	
Heaving (mm)			_	
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>150</b> )				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		N	6	
		Brid	dae Cu	lvert Barrel
Culvert Component				
Culvert Component (Pipe # : 5, Secondary Span, Lo	ocation Code: MAIN, S	Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)
_	ocation Code: MAIN, S	Last	Now	Explanation of Condition
(Pipe # : 5, Secondary Span, Lo		Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s.
(Pipe # : 5, Secondary Span, Lo		Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s.
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : )		Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : ) Special Feature (Type : )		Last	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof		Last Span (r	Now	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm)		Last Span (r	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No.		Last Span (r	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)		Last Span (r	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.
(Pipe # : 5, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag		Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.
(Pipe # : 5, Secondary Span, Lo 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	10-Feb-2010	Last Span (r	Now mm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.
(Pipe # : 5, Secondary Span, Lo 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)		Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.
(Pipe # : 5, Secondary Span, Lo 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.	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible.
(Pipe # : 5, Secondary Span, Lo 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)	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.
(Pipe # : 5, Secondary Span, Lo 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	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.  (Deflection inward 10 Feb 2010)
(Pipe # : 5, Secondary Span, Lo 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	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.
(Pipe # : 5, Secondary Span, Lo 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)	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.  (Deflection inward 10 Feb 2010)
(Pipe # : 5, Secondary Span, Lo 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.	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.  (Deflection inward 10 Feb 2010)
(Pipe # : 5, Secondary Span, Lo 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)	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.  (Deflection inward 10 Feb 2010)
(Pipe # : 5, Secondary Span, Lo 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.	10-Feb-2010	Last Span (r	Nowmm):	Explanation of Condition , Rise (mm): 1500, Type: SSP)  400mm from ice level to crown at d/s. 700mm to crown at u/s  Viewed from d/s end-shpae looks good.  Pitting rust-rated until 10m from u/s end.  Measured 10m from u/s end, until accessible. Pitting rust above ice level.  (Deflection inward 10 Feb 2010)

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 5, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1500, Type: SSP)
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		X	X	SSP. No Coating.
Corrosion By Soil (Y/N)	No			Pitting rust above ice levels.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		N	Х	
(Type:)				
Waterway Adequacy		5	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	GR carried forward 10 Feb 2010
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 5, Span Type: Second	ary Span)			
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )			_	
Cutoff Wall		Х	Х	
Bevel End		Х	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700		_	
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>150</b> )				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	6	

71118 -1 Bridge Culvert

			Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 6, Span Type: Second	ary Span)							
Direction		W		900mm of water in pipe.				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape: )								
Cutoff Wall		Х	Х					
Bevel End		4	X					
Heaving (mm)								
Invert Above/Below Stream Bed								
Above/Below (mm)								
Scour Protection		4	4					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 150)								
Scour/Erosion		4	4	Erosion 500mmx200mmx1500m along Southside of bevel end.				
Beavers (Y/N)	No							
Upstream End General Rating		4	4					
		Brid	ige Cu	vert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 6, Secondary Span, Lo	cation Code: MAIN, S	pan (r	nm):	, Rise (mm): 1500, Type: SSP)				
Barrel Last Accessible Date	10-Feb-2010			400mm from ice-crown at d/s + 700mm to crown at u/s - viewed from ends.				
Special Features								
Special Features Special Feature								
Special Feature								
Special Feature (Type:)								
Special Feature (Type:) Special Feature								
Special Feature (Type:) Special Feature (Type:)		5	5	70% of culvert length covered with ice and silt				
Special Feature (Type:) Special Feature (Type:) Roof	1497	5	5	70% of culvert length covered with ice and silt. Superficial rust on roof.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm)	1497	5	5	Superficial rust on roof.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No.		5	5	70% of culvert length covered with ice and silt. Superficial rust on roof. Est.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	3	5	5	Superficial rust on roof.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag			1	Superficial rust on roof.  Est.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall	3	5	5	Superficial rust on roof.  Est.  Est.				
Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag Sidewall Measured Span (mm)	3		1	Superficial rust on roof.  Est.  Est.  @ cl				
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 1 1507		1	Superficial rust on roof.  Est.  Est.				
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)	3 1 1507		1	Superficial rust on roof.  Est.  Est.  @ cl				
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	3 1 1507	4	5	Superficial rust on roof.  Est.  @ cl Pitting rust on walls.				
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 1 1507		1	Superficial rust on roof.  Est.  @ cl Pitting rust on walls.  Covered with ice-70%				
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 1 1507	4	5	Superficial rust on roof.  Est.  @ cl Pitting rust on walls.				
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 1 1507	4	5	Est.  Est.  @ cl Pitting rust on walls.  Covered with ice-70% Rated based on the 30% visible length of culvert.				
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 1 1507	5	5	Est.  Est.  @ cl Pitting rust on walls.  Covered with ice-70% Rated based on the 30% visible length of culvert.				
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 1 1507	4	5	Est.  Est.  @ cl Pitting rust on walls.  Covered with ice-70% Rated based on the 30% visible length of culvert.				

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 6, Secondary Span, Lo	cation Code: MAIN, S	Span (ı	mm):	, Rise (mm): 1500, Type: SSP)
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		X	X	SSP. No Coating.
Corrosion By Soil (Y/N)	No			Pitting rust on sidewalls.
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	6	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		4	6	Pipe nearly full, D/S water level 100mm from top of pipeMay 15, 2008
Icing (Y/N)	No			_
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	5	
		D	ownsti	ream End
Culvert Component			Now	Explanation of Condition
(Pipe # : 6, Span Type: Second	ary Span)			
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		N	4	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		N	4	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	N	4	

		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Water enters pipe at 60 degrees.
Danis Otabilita		7	7	
Bank Stability		'	'	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom	DEGRADING			
Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	5	

		Mainte	enance Recommer	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·		·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
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 (%)	ow) 44.4/4	4.4 Sufficiency Rat (%)	ing (Last/Now)	40.7/47.4	Est. Repl. Yr	2031	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Brian Pientsc	h	Previous	s Assistant's Name	Lisbeth Medin	ıa			
Next Inspection Date	16-Aug-2013		Previous	s Inspection Date	10-Feb-2010				
Inspection Cycle (Default) (months)	21								
Comment									