					Bridg	ge Culve	ert Inspe	ection				
Bridge File Nu	mber	71477 -	1 Bridge Cul	vert			Form T	уре		CULE		
Year Built/Line	d	1965/20	800				Lot No.			4		
Bridge or Towr	Name	ELK PC	INT				Inspector Name		Wade Nanninga			
Located Over		KEHIWI	N CREEK, 7	7.12.4.2, WAT	ΓERC	RS-ST	Inspector Class		BR CLS A			
Located On		41:23 C	1 1.045				Assista	nt Name				
Water Body CI	./Year						Assista	nt Class				
Navigabil. Cl./\	⁄ear						Inspect	ion Date		10-Apr-2012		
Legal Land Lo		NW SE	C 6 TWP 58	RGE 6 W4M			Data E	ntry By		Theresa Lacu	sta	
Longitude, Lati		-110:53	:17, 53:59:14	1				ntry Date	:	08-May-2012		
Road Authority Alberta Transportation (AIT								er Name		Eric Carcoux		
Contract Main.							Review	Date		17-Apr-2012		
Clear Roadway/Skew 8.8 / 30 deg. (RHF)						Dept. R	Reviewer	Name	Brent Herrick			
AADT/Year	,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		2011 (A)					Review D		12-Jun-2012		
Road Classific	ation	RAU-20	. ,				Follow-					
Detour Length		30	<u> </u>					- F - J				
Bridge Culver										ı		
Number of Cul			2									
Pipe #	Barrel		Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
2	U/S FL LINER	ILL	-	1600		MP		11.3		125X26	2.8	ROUND
2	MAIN F	ULL	-	1372		SSP		23			12.0	ROUND
2	D/S FL LINER	ILL	-	1600		MP		11.3		125X26	2.8	ROUND
3	U/S		-	2000		MP		11.3		125X26	2.8	ROUND
3	MAIN		-	1829		SSP	23				12.0	ROUND
3	D/S		-	2000		MP		11.3		125X26	2.8	ROUND
Special Featur	es											
Special Featur	es Com	ment										
·												
					Ut	ilities (L	ocated	at)				
Utility Attachm	ents								1			
Telephone							Gas					
Power	3 wire		st r/w. Powe	r crosses roa	ad 40m		Municipal					
Others	South	•					Probler	n (Y/N)	No			
Remarks	No DI	toa inat	allad									
Remarks	INO DI	tag inst	alled.	A 10	<b>~</b> *~~	ah Baar	d / Embe	ankment				
				T T	Last	Now				tion		
Horizontal Alig	nment				5	5		Explanation of Condition  Blind curve left when NB.				
Vertical Alignm					5	5	Blind cı	rest curve	e when	SB.		
vertical Alignii	EIIL				3	3	No pas	No passing either direct		ction.		
							Posted	for 85km	n/hr			
Roadway Widt	h (m)		8.800									
Embankment					6	4	Slough	ing 10m	d/s nev	ct to RR65A-3m	nx1m	
Sideslope (	·1)		3.0			7	Ciougii	9 10111	a, o 1167	10 111100/1-011	10.1111	
(Height of Co		. 4)	5.0				-					
Guardrail (Y/N)		· <del>-•</del> )	Yes				E side	only				
Guardiaii (1/IN			169				L SIGE					
Approach Roa	ad / Eml	oankmer	nt General R	ating	5	5						

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Span Type: Primary	y Span)			
Direction		W		South pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		X	X	
Bevel End		9	9	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	20m & 50m u/s.
Beavers (Y/N)	Yes			
Upstream End General Rating		7	7	
		Brio	dge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1600, Type: MP)
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date	tion Code: U/S, Span 14-Jul-2010	(mm):	, F	
		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Barrel Last Accessible Date		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Barrel Last Accessible Date  Special Features		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature (Type:)		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature (Type:) Special Feature		(mm):	, F	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature (Type:) Special Feature (Type:)				Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature (Type:) Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm)	14-Jul-2010			Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section.
Special Features Special Feature (Type:) Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No.	14-Jul-2010			Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.
Barrel Last Accessible Date  Special Features Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm)	14-Jul-2010			Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.
Barrel Last Accessible Date  Special Features Special Feature (Type:) Special Feature (Type:) Roof Measured Rise (mm) Measured At Ring No. Sag (mm) Percent Sag	14-Jul-2010 1594	8	N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.
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	14-Jul-2010 1594 6			Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.
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)	14-Jul-2010 1594	8	N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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 At Ring No.	14-Jul-2010 1594 6 1	8	N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.
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)	14-Jul-2010  1594  6 1 1629	8	N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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	14-Jul-2010 1594 6 1	8	N N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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	14-Jul-2010  1594  6 1  1629  29 2	8	N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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)	14-Jul-2010  1594  6 1 1629	8	N N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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.	14-Jul-2010  1594  6 1  1629  29 2	8	N N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010
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)	14-Jul-2010  1594  6 1  1629  29 2	8 8	N N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010  14-Jul-2010
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.	14-Jul-2010  1594  6 1  1629  29 2	8	N N	Rise (mm): 1600, Type: MP)  Rate u/s and d/s 1600mm, ends in this section. Water too deep to enter, viewed from u/s end - d/s submerged.  14-Jul-2010

		Brid	dge Cul	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 1600, 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		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
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 Extension General Ratin		8	N	GR 8 from July 2010.
	-5	_		
				vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)
	tion Code: MAIN, Spa	Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date Special Features Special Feature (Type : )		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : )		Last	Now	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010, Outlet submerged.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof		Last n (mm	Now ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm)	14-Jul-2010	Last n (mm	Now ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.
(Pipe # : 2, Primary Span, Local Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No.	14-Jul-2010	Last n (mm	Now ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.
(Pipe # : 2, 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)	14-Jul-2010 1342 30	Last n (mm	Now ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.
(Pipe # : 2, 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	14-Jul-2010	Last n (mm	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.
(Pipe # : 2, 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	1342 30 2	Last n (mm	Now ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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)	14-Jul-2010 1342 30	Last n (mm	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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.	1342 30 2	Last n (mm	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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)	1342 30 2 1334 38	Last n (mm	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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	1342 30 2	8	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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	1342 30 2 1334 38 2	Last n (mm	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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)	1342 30 2 1334 38	8	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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.	1342 30 2 1334 38 2	8	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.
(Pipe # : 2, 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)	1342 30 2 1334 38 2	8	Now   ):	Explanation of Condition , Rise (mm): 1372, Type: SSP)  (Only first 40% of pipe accessible. D/S blocked by drift (photo) -14-Jul-2010. Outlet submerged. Water too deep to enter-viewed from u/s end, looks good.  10m d/s.

		Bri	dge C	ulvert Barrel
Culvert Component		Last	Nov	Explanation of Condition
(Pipe # : 2, Primary Span, Locat	tion Code: MAIN, Spar	n (mm	n):	, Rise (mm): 1372, Type: SSP)
Longitudinal Seams		Χ	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		Х	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	D/S half.
Icing (Y/N)	No			Barrel partially blockedphoto-14-Jul-2010
Silting (Y/N)	Yes			
Drift (Y/N)	Yes			
Barrel General Rating		8	N	GR previously '8' from July 2010
		D	owns	tream End
Culvert Component		Last	Nov	Explanation of Condition
(Pipe # : 2, Span Type: Primary	(Span)			
Direction		Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	X	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		8	N	Submerged.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		7	6	
Beavers (Y/N)	Yes			10m d/s.
Downstream End General Ratin	ng	7	6	

			Upstre	
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Direction		W		North pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Beavers (Y/N)	Yes			20m & 50m u/s.
Upstream End General Rating		7	7	
		Brid	dge Cu	vert Barrel
<b>Culvert Component</b>		Last	Now	Explanation of Condition
			1	
(Pipe # : 3, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1829, Type: SSP)
-	ocation Code: MAIN, S 10-Apr-2012			
(Pipe # : 3, Secondary Span, Lo				
(Pipe # : 3, Secondary Span, Lo				
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features				
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature				
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : )				
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature				
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : )		Span (r	mm):	, Rise (mm): 1829, Type: SSP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof	10-Apr-2012	Span (r	mm):	, Rise (mm): 1829, Type: SSP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm)	10-Apr-2012	Span (r	mm):	, Rise (mm): 1829, Type: SSP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No.	10-Apr-2012	Span (r	mm):	, Rise (mm): 1829, Type: SSP)
(Pipe # : 3, 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-Apr-2012 1760 69	Span (r	mm):	, Rise (mm): 1829, Type: SSP)
(Pipe # : 3, 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-Apr-2012 1760 69	Span (r	mm):	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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	1760 69	Span (r	mm):	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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)	1760 69	Span (r	mm):	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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.	1760 69 4	Span (r	mm):	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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	1760 69 4 1840	Span (r	mm):	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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	1760 69 4 1840	7 8	7 8	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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)	1760 69 4 1840	7 8	7 8	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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.	1760 69 4 1840 11	7 8	7 8	, Rise (mm): 1829, Type: SSP)  At c/l.
(Pipe # : 3, 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)	1760 69 4 1840	7 8	7 8	, Rise (mm): 1829, Type: SSP)  At c/l.  @ cl
(Pipe # : 3, 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.	1760 69 4 1840 11	7 8 8	7 8 8	, Rise (mm): 1829, Type: SSP)  At c/l.

		Bri	dge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	ocation Code: MAIN, S	Span (ı	mm):	, Rise (mm): 1829, 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	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy	1	9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		7	7	
		Brid	dge Cu	lvert Barrel
Culvert Component			dge Cu Now	vert Barrel Explanation of Condition
Culvert Component (Pipe # : 3, Secondary Span, Lo	ocation Code: U/S, Sp	Last	Now	
•	ocation Code: U/S, Sp 12-Apr-2012	Last	Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo		Last	Now	Explanation of Condition , Rise (mm): 2000, Type: MP)
(Pipe # : 3, Secondary Span, Lo		Last	Now	Explanation of Condition , Rise (mm): 2000, Type: MP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features		Last	Now	Explanation of Condition , Rise (mm): 2000, Type: MP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature		Last	Now	Explanation of Condition , Rise (mm): 2000, Type: MP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : )		Last	Now	Explanation of Condition , Rise (mm): 2000, Type: MP)
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date Special Features Special Feature (Type : ) Special Feature		Last	Now	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : )		Last an (mi	Now m):	Explanation of Condition , Rise (mm): 2000, Type: MP)  Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof	12-Apr-2012	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm)	12-Apr-2012	Last an (mi	Now m):	Explanation of Condition , Rise (mm): 2000, Type: MP)  Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section. Mid point of u/s section. Slight roof flattening/deformation near grouted connection-likely
(Pipe # : 3, Secondary Span, Lo Barrel Last Accessible Date  Special Features Special Feature (Type : ) Special Feature (Type : ) Roof Measured Rise (mm) Measured At Ring No.	12-Apr-2012	Last an (mi	Now m):	Explanation of Condition , Rise (mm): 2000, Type: MP)  Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section. Mid point of u/s section. Slight roof flattening/deformation near grouted connection-likely
(Pipe # : 3, 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)	12-Apr-2012 1945 55	Last an (mi	Now m):	Explanation of Condition , Rise (mm): 2000, Type: MP)  Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section. Mid point of u/s section. Slight roof flattening/deformation near grouted connection-likely
(Pipe # : 3, 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	12-Apr-2012 1945 55	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.
(Pipe # : 3, 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	12-Apr-2012  1945  55 2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.
(Pipe # : 3, 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)	12-Apr-2012  1945  55 2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.
(Pipe # : 3, 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.	12-Apr-2012  1945  55 2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.
(Pipe # : 3, 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)	12-Apr-2012  1945  55 2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.
(Pipe # : 3, 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	12-Apr-2012  1945  55 2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.  Mid point of u/s section.
(Pipe # : 3, 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	12-Apr-2012  1945  55 2  2002	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.  Mid point of u/s section.
(Pipe # : 3, 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)	12-Apr-2012  1945  55 2  2002	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.  Mid point of u/s section.
(Pipe # : 3, 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.	12-Apr-2012  1945  55 2  2002  2	Last an (mi	Now m):	Rated u/s & d/s 2000mm dia. ends in this section.  Measurements and comments based on u/s section.  Mid point of u/s section.  Slight roof flattening/deformation near grouted connection-likely occured during construction.  Mid point of u/s section.

		Brio	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	cation Code: U/S, Sp	an (mr	n):	, Rise (mm): 2000, Type: MP)
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		9	9	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
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 Extension General Ratin	g	6	6	
Culvert Component				eam End Explanation of Condition
Culvert Component (Pipe #: 3, Span Type: Second	lary Span)	Last	Now	Explanation of Condition
Direction	ary Spari)	Е		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	6	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		7	6	
Beavers (Y/N)	Yes			10m d/s.
Downstream End General Ratin	ng	7	6	

		S	Structu	re Usage
				Explanation of Condition
Channel (U/S and D/S)			_	
Alignment		5	5	60 degree bends in alignment at both ends. Very steep banks along local road.
Bank Stability		7	4	Sloughing banks both directions.
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	4	

		Maintenar	ce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Co	mments	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 (%)	low) 66.7/60	Sufficiency Rating ( (%)	(Last/Now) 67.4/65.7	Est. Repl. Yr 2048	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Shane Hall		Previous Assistant's Name				
Next Inspection Date	10-Jan-2014		Previous Inspection Date	15-Jul-2010			
Inspection Cycle (Default) (months)	21						
Comment							