					Bride	ge Culve	ort Inch	oction					
Bridge File Num	nher	77895 -1	Bridge Culve	art	БПαў	je Curve	Form 7			CULM			
Year Built	1001	1986	Driage Carve	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			Lot No.			3			
Bridge or Town	Name		 T				Inspector Name			Jason Rusu			
Located Over	Ttarrio		RRIGATION C	WATER	CRS-I	C	Inspector Class BR CLS A						
Located On			1 21.555	, , , , , , , , , , , , , , , , , , , 	01(01		Assistant Name						
Water Body Cl.	/Year	070.010	71 211000				Assistant Class						
Navigabil. Cl./Y								tion Date		17-Mar-2012			
Legal Land Loc		SW SEC	28 TWP 8 R	GF 11 W4	M		· ·	ntry By		Lauren Korte			
Longitude, Latit			59, 49:40:21					Data Entry Date 11-Apr-2012					
		ransportation (AIT)			Reviewer Name		Garry Roberts						
Contract Main. Area CMA24					Review Date		23-Mar-2012						
Clear Roadway/Skew 8.2 / 45 de			ea. (RHF)			Dept. Reviewer Name							
AADT/Year		560 / 201					Dept. Review Date		17-Apr-2012				
Road Classifica	ition	RCU-208					Follow			1 -			
Detour Length (km)	3	<u> </u>					-1 7					
Bridge Culvert	· /												
Number of Culv		1											
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	1	0500	3800		ВР		57.6				RECTANGLE	
Special Feature	es												
Special Feature	s Com	ment											
					Ut	ilities (L	ocated	at)					
Utility Attachme							_		I				
Telephone SE side.					Gas								
Power 3 line crosses U/S & D/S end.					Munici		NI -						
Others							Proble	m (Y/N)	No				
Remarks				۸.	anroo	oh Rose	l / Emb	ankmant					
				A			I / Embankment Explanation of Condition						
Horizontal Align	ment				5	5	BP crosses controlled intersection on skew.						
Vertical Alignme					9	9							
Roadway Width			8.200										
Embankment					8	3	Loss o	Loss of fill at outlet undermining anchorage of corner guardrail pos					
Sideslope (:1)		10.0				1						
(Height of Co		0.4)					1						
Guardrail (Y/N)		,	Yes				57.6m	57.6m single flex beam-runs along end treatment both			th sides.		
Approach Roa	d / Eml	oankmen	t General Ra	ting	5	5							
						Upstre	am End						
Culvert Compo	nent				Last	Now		nation of	Condi	tion			
Direction							SW.						
End Treatment Others, None)	(Concre	ete, Steel	CONCRETE	≣									
Headwall					8	8	Handrail on headwall and wingwall.						
Collar					Х	Х							
Wingwalls					8	4	40MM	40MM gap u/s South side @ wing/barrel. Causing loss of fill			oss of fill		
(Shape:)							approx	imately 0	.25 m3	5.			
Cutoff Wall					N	N							

			Upstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		8	4	
		Dei	laro Cu	livert Bernel
Culvert Component		Last	Now	Explanation of Condition
<u> </u>	tion Code: MAIN Sna			D, Rise (mm): 3800, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	11-Feb-2009		.,. 	South cell. 1.5 m deep water in canal. Accessible.
Dairei Last Accessible Date	11-1 65-2009			Oddir cell. 1.5 III deep water iii cariai. Accessible.
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		8	N	Viewed from ends. No visible defects/ deformation.
Measured Rise (mm)	3800			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		8	N	Hairline vertical crack throughout.
Measured Span (mm)	3500			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	Ice covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		X	N	
Separation (mm)	0			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	n): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 1)
Fish Passage Adequacy		X	X	
Baffle		Х	Х	
(Type:)		'		
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	
		Bri	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	n): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	11-Feb-2009			Center Cell.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	N	Hairline vertical crack throughout.
Measured Rise (mm)	3800			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		8	N	
Measured Span (mm)	350			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		Х	N	
Separation (mm)	0			
Longitudinal Seams		Х	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	X	
Corrosion By Soil (Y/N)				1
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 2)
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)		'		
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 3)
Barrel Last Accessible Date	11-Feb-2009			South cell.
Special Features				
Special Feature				
(Type:)			_	
Special Feature				
(Type:)				
Roof		8	N	
Measured Rise (mm)	3800			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		8	N	
Measured Span (mm)	3500			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	N	
Separation (mm)	0			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		Х	X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

		Brid	lge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 3500	, Rise (mm): 3800, Type: BP, Cell Sequence: 3)
Fish Passage Adequacy			X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	N	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction				SE.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		Х	Х	
Wingwalls		8	5	20MM gap @ wingwall/barrel with loss of fill.
(Shape:)				
Cutoff Wall		N	N	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	7	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Irrigation turnout-30m u/s South bank. 10m d/s North bank.
Bank Stability		N	7	
HWM (m below Top of Culvert)				None visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				
(Fish Compensation Measure 2 :	NONE)	8		
Channel General Rating			8	

			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 LININ	G						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS		Fill gaps at all 4 wingwalls.					
OTHER ACTION		Replace lost fill approx. 5m3 pi establish SW guardrail post.	it run. Re				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/l(%)	Now) 88.9/8	8.9 Sufficiency Rating ((%)	Last/Now) 88.1/82.9	Est. Repl. Yr 2045	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Tim Davies		Previous Assistant's Name)			
Next Inspection Date	17-Jun-2015		Previous Inspection Date	11-Feb-2009			
Inspection Cycle (Default) (months)	39						
Comment							