73595 -1 Bridge Culvert

					Bride	o Culve	art Inch	oction					
Bridge File Number 73595 -1 Bridge Culvert				Bridg	je Culvi	Form Type			CUL1				
Year Built 1983							Lot No			4			
Bridge or Town Name BARONS							1	tor Name		Tom Carey			
		LNI - IRRIGATION C, WATERCRS-IC				· ·	tor Class		BR CLS A				
Located On 23:04 C1							1	Assistant Name					
Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Ye								Inspection Date 18-Feb-2013					
Legal Land Loca		NE SEC	4 TWP 12 RG	E 23 W4	M		Data Entry By		Anne Roberts				
Longitude, Latitu			04, 49:58:09				Data Entry Date			17-Mar-2013			
Road Authority			ransportation	(AIT)			Reviewer Name		Garry Roberts				
Contract Main. A		CMA25			Review Date		03-Mar-2013						
Clear Roadway/S		13 /						Dept. Reviewer Name					
AADT/Year		3,210 / 2	011 (A)				Dept. Review Date			25-Mar-2013			
Road Classificati		RAU-213				Follow-Up By							
Detour Length (k		3						-1 ,					
Bridge Culvert I										1			
Number of Culve		1											
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape	
1 N	ΛΑΙΝ	9	700	6530		AP		65				ARCH	
Special Features	3												
Special Features	Comn	nent											
Litility Attachman	to				Uti	ilities (L	_ocated	at)					
Utility Attachmen Telephone	At Eas	ot r/w					Gas		1				
Power	Al Eas	ot I/W.				Municipal							
Others						Problem (Y/N) No							
Remarks							I TODIC	111 (1/14)	INO				
Remarks				A	pproac	ch Roa	d / Emb	ankment					
								ation of		tion			
Horizontal Alignment				9	9								
Vertical Alignment				7	7								
Roadway Width (m)		13.000											
Embankment			7	7	Rip rap	90% up	East e	mbankment.					
Sideslope (:1)		1.5											
(Height of Cove	er(m) :	8)											
Guardrail (Y/N)			Yes			Minor damage - 100mm bend at west.							
Approach Road	/ Emb	ankmen	General Rat	ing	7	7							
						Upstre	am End						
<b>Culvert Compor</b>	nent				Last			ation of	Condi	tion			
Direction				W									
End Treatment (Concrete, Steel Others, None)		CONCRETE											
Headwall				7	7								
Collar			Х	Х									
Wingwalls			6	6	Moved	Moved inward 50mm - no change at NW.							
(Shape: )					Some vertica	cracking - I cracks.	- wingw	alls and headw	all - minor - 0.0	3 mm wide			
Cutoff Wall					N	N							

			Unstre	eam End				
Culvert Component		Last	Now					
Bevel End		X	X	Ice within 1.5 m from roof.				
		^						
Heaving (mm) Invert Above/Below Stream Bed	BELOW			(From due on file 79609, 090407)				
				(From dwg on file 78698 - 980407)				
Above/Below (mm)	250		T					
Scour Protection		N	N	Submerged - only seen at very top.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : <b>300</b> )			N					
Scour/Erosion		N						
Beavers (Y/N)	No							
Upstream End General Rating		6	6	G.R. carried forward.				
		Bri	dae Cu	lvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			· · ·				
Barrel Last Accessible Date	18-Feb-2013	74 (11111	,. 0.00	Ice within 1.5 m from roof.				
Dailor Edot / 1000001DIG Date	.01002010			155 Maint 1.5 III II III II II II II II II II II II				
Special Features								
Special Feature				'9' HSS Rail				
(Type:)				65 x 65 mm HSS rail @ wings & headwall.  Corrosion on west side of posts at east rail on head wall.				
Special Feature				Contosion on west side of posts at east rail of friedd wall.				
(Type:)								
Roof		N	8	3 longitudinal cracks 0.1 mm wide along roof				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)								
Percent Sag								
Sidewall		N	N	Ice within 1.5 m from roof.				
Measured Span (mm)		14	11	loe within 1.5 in noin 100i.				
Measured At Ring No.								
Deflection (mm)								
Percent Deflection				-				
Floor		N	N	Viewed at roof only.				
Bulge (mm)				-				
Measured At Ring No.				-				
Abrasion (Y/N)								
Circumferential Seams	T	N	8					
Separation (mm)	15							
Longitudinal Seams	I	X	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	Х					
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 9700	, Rise (mm): 6530, Type: AP)
Fish Passage Adequacy		Х	X	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N) No				
Barrel General Rating		N	8	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		6	6	Rust staining and leaching from hairline vertical cracks - minor.
Collar		Х	Х	
Wingwalls		7	7	Moved inward 86mm @ NE - marked 2000- no change.
(Shape: )		l	1	
Cutoff Wall		N	N	
Bevel End		Х	Х	Ice within 1.5 m from roof
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			(From dwg file 78698-930719)
Above/Below (mm)	250			
Scour Protection		N	N	Submerged - only seen at very top.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	6	6	
		S	tructu	re Usage
		Last Now		Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	CPR structure 40 m east (D/S).
Bank Stability		5	5	Erosion at North East and South East - East of R.R bridge.
HWM (m below Top of Culvert)	1.7			
Drift (Y/N) No				
Channel Bottom Degrading/Aggrading				Unknown
(Fish Compensation Measure 1 :	NONE)			
	NONE)			
Alignment  Bank Stability  HWM (m below Top of Culvert) 1.7  Drift (Y/N) No  Channel Bottom Degrading/Aggrading		8	8	

73595 -1 Bridge Culvert

		Maintenanc	e Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Comr	ments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		<u> </u>					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING							
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTO	)FF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/No. (%)	ow) 55.6/88	Sufficiency Rating (L. (%)	ast/Now) 69.6/86.5	Est. Repl. Yr 2041	Maint. Re	qd. (Y/N)	No
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	Tom Carey		Previous Assistant's Name				
Next Inspection Date	18-Nov-2014		Previous Inspection Date	18-May-2011			
Non Inspection Date							
	21						