Bridge Culvert Inspection													
Bridge File Number 73937 -1 Bridge Culvert						Form Type			CULM				
Year Built 1955						Lot No			4				
Bridge or Town Name LANGDON						Inspec	tor Name		Jon Davies				
			IRRIGATION C, WATERCRS-IC				Inspec	tor Class		BR CLS B			
			1 2.148;1:12 L1 2.147				Assista	ant Name					
Water Body Cl.	/Year						Assista	ant Class					
Navigabil. Cl./Y	'ear						Inspec	tion Date		01-Mar-2012			
- 3			C 12 TWP 24 F	RGE 27 W	/4M		Data E	ntry By		Anne Roberts			
Longitude, Latitude -113:38:56			3:56, 51:02:15	Data E	Data Entry Date 21-Mar-2012								
		a Transportation (AIT)				Reviewer Name Garry Roberts							
Contract Main. Area CMA30		0				Review Date 01-Mar-2012							
Clear Roadway/Skew 26.8 /						Dept. Reviewer Name Tim Davies							
· ·		/ 2010 (A)				Dept. F	Dept. Review Date 22-Mar-2012						
Road Classifica	ation	RAD-4	12.4-120				Follow	-Up By					
Detour Length	(km)	1											
Bridge Culvert Information Number of Culverts 2													
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1200		MP		80.5		68X13	2.8	ROUND	
2	MAIN		-	1200		MP		80.5				ROUND	
Year Built Bridge or Town Name LANGDON Located Over Located On Loc													
Special Feature	es Comr	ment											
					114	ilitios (l	ocated	ot)					
Litility Attachme	onte				UL	ilities (L	_ocateu	al)					
		POW/					Gas						
•						Munici	nal						
								No					
	T IDIC (optios a	THOILITICOV				1 TODIC	111 (1/14)	110				
romano				A	oproad	ch Road	l / Emb	ankment					
					Last			Explanation of Condition					
Horizontal Aligr	nment				8	8	Located 300m West of BF 77563						
Vertical Alignm	ent				6	6	on grade to East						
Roadway Width	n (m)		33.000										
Embankment					7	7							
	:1)		3.0				1						
		6.1)											
		- /	Yes										
Approach Roa	ıd / Emb	oankme	nt General Rat	ing	6	6							
						Unatra	om End						
Culvert Comp	onent				Last		am End	nation of C	Condi	tion			
		a. Drima	ary Span)		Lasi	INOW	LAPIAI	iation of C	Jonan	LIOII			
	ан турс	5. I IIIII	пу Орап)		N		Most n	ina Narth	ond				
End Treatment (Concrete, Steel, STEEL		IN		vvestp	West pipe- North end								
Headwall			Х	Х									
Collar			Х	X									
Wingwalls					X	Х							
	(Shape:)												

73937 -1 Bridge Culvert

			Unetro	am End				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Span Type: Primary	/ Snan)	Last	INOW	Explanation of condition				
Cutoff Wall	(Орин)	Х	X					
Cuton wan								
Bevel End		5	N	PR 5 Snow covered				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	150							
Scour Protection		6	N	PR 6				
(Type: RIP RAP, NATURAL)								
(Avg. Rock Size(mm) : 300)			_					
Scour/Erosion		6	N	PR 6				
D ()/(A))	NI-							
Beavers (Y/N)	No							
Upstream End General Rating		5	5	GR carried forward				
				Ivert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	n (mm	1):	, Rise (mm): 1200, Type: MP)				
Barrel Last Accessible Date				Not bridge size- not accessible.				
Special Features								
Special Feature				U/S end snow covered				
(Type:)								
Special Feature								
(Type:)								
Roof		N	N	(Viewed from both ends. Shape appears adequate) 12 Oct 2010				
Measured Rise (mm)				(
Measured At Ring No.								
Sag (mm)								
Percent Sag								
Sidewall		N	N					
Measured Span (mm)								
Measured At Ring No.								
Deflection (mm)								
Percent Deflection								
Floor		N	N					
Bulge (mm)				1				
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		N	N					
Separation (mm)				1				
Longitudinal Seams		N	N	Rivetted seams				
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	N	PR 4				
Corrosion By Soil (Y/N)				(Moderate corrosion up to mid sidewall) 12 Oct 2010				
Corrosion By Water (Y/N)	Yes							

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last Now		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 1200, Type: MP)
Camber POS/ZERO/NEG	NEG			(Appears negative) 12 Oct 2010
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)		1		
Waterway Adequacy	1	5	N	PR 5
Icing (Y/N)	No			
Silting (Y/N)				
Drift (Y/N)	No			
Barrel General Rating		N	N	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction	I	S		West pipe- South end
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1		
Cutoff Wall		Х	X	
Bevel End		5	5	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection		6	6	
(Type : NATURAL)				
(Avg. Rock Size(mm):)		1	1	
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		N		East pipe- North end
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	X	
Wingwalls			Х	
(Shape:)				
Cutoff Wall		X	X	

73937 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secon	dary Span)			
Bevel End		5	N	PR 5 Snow covered
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	N	PR 6
(Type: RIP RAP, NATURAL)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		6	N	PR 6
Beavers (Y/N)	No			
Upstream End General Rating	1	5	5	GR carried forward
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Secondary Span, L	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				Not bridge size- not accessible.
Special Features				
Special Feature				U/S end snow covered
(Type:)				
Special Feature				
(Type:)				
Roof		N	N	(Viewed from ends. Shape appears adequate) 12 Oct 2010
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Percent Deflection				
Floor		N	N	
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
		N	N	Rivetted seams
Total No. of Rings with Two				
Min. Remaining Steel				
· , ,				
	Yes			
		5	N	PR 5
Sidewall Measured Span (mm) Measured At Ring No. Deflection (mm) Percent Deflection Floor Bulge (mm) Measured At Ring No. Abrasion (Y/N) Circumferential Seams Separation (mm) Longitudinal Seams Total No. of Cracked Rings Total No. of Rings with Two Cracked Seams Min. Remaining Steel Between Cracks (mm) Proper Lap (Y/N)				(Moderate corrosion up to mid sidewall) 12 Oct 2010
	Yes			
	1.00			

		Brio	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1200, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		5	N	PR 5
Icing (Y/N)	No			
Silting (Y/N)				
Drift (Y/N)	No			
Barrel General Rating		N	N	
Cultivant Common on ant				ream End
Culvert Component	Iama Cham	Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	_		
Direction	OTEL	S		East pipe- South end
End Treatment (Concrete, Steel, Others, None)	STEEL		1	
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		5	5	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		6	6	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	5	
			Now	re Usage Explanation of Condition
Channel (U/S and D/S)		Last	INOW	Explanation of Condition
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				No visible HWM
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		7	7	

		Maintar	anna Basamman	Jotiono					
Inspector Recommendations	Year	Inspector Comments	nance Recommend	Department Com	monte		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS	Teal	Inspector Comments		Department Com	Henis		Target Tear	ESI. COSI	Cat #
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) 55.6/55	.6 Sufficiency Ratin	g (Last/Now)	58.2/67.6	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous	Previous Assistant's Name					
Next Inspection Date	01-Dec-2013		Previous	Inspection Date	12-Oct-2010				
-	21			·	'				
Comment									