					Brida	e Culve	ert Inspec	ction					
Bridge File Number 77974 -1 B			7974 -1 Bridge Culvert			Form Typ		CUL1					
Year Built 1974		-			Lot No.	PO	4						
Bridge or Town Name CZAR						Inspector	r Name	Jason Saly					
							Inspector		BR CLS A				
		TRAIL-ANIMAL, OVER SP 41:14 C1 35.730					Assistant		BIX CLO A				
Located On 41 Water Body Cl./Year		41.14 C	1 33.730										
							Assistant Class						
Navigabil. Cl./							Inspection Date			26-Nov-2012			
Legal Land Lo			C 29 TWP 38		·M		Data Entry By			Marcia Chavez			
			:10, 52:17:55				Data Entry Date			15-Jan-2013			
			Transportation	on (AIT)			1	Reviewer Name John O'Brien					
		CMA22					Review Date		14-Dec-20				
Clear Roadway/Skew 11.4 /							· ·		me Andrew Sm	ne Andrew Smikles			
AADT/Year		1,120 /	2011 (A)				· ·	eview Date	17-Jan-201	3			
Road Classific		_	1.8-110				Follow-U	Јр Ву					
Detour Length		5											
Bridge Culve		ation											
Number of Cu	lverts		1										
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре	L	_ength	Corr. Profil	e PI./Slab Thickness	Shape		
1	MAIN		-	2100		MP	3	32.9	68X13	2.8	ROUND		
Special Featur	ires												
					Po	sting Ir	nformatio	n					
Required Vert	t. Clearan	nce Posti	ng (m)		Ро	sting Ir	nformatio	on					
·				0	Po	sting Ir	nformatio	on					
Posted Vertica	al Cleara	nce (Y/N		o In Adva			nformation Lan		On Bridge (m	) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane	al Clearai e WB	nce (Y/N	) N						On Bridge (m	) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane	al Clearai e WB	nce (Y/N On E	) N		ance (	(Y/N)		ne EB	On Bridge (m	) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks	al Cleara e WB Not re	nce (Y/N On E	) N		ance (	(Y/N)	Lan	ne EB	On Bridge (m	) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks Utility Attachm	al Cleara e WB Not re	On E	) N		ance (	(Y/N)	Lan	ne EB	On Bridge (m	) In Adv	ance (Y/N)		
Required Vert Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power	e WB Not re	On E	) N Bridge (m)		ance (	(Y/N)	Lan	ne EB	On Bridge (m	) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power	e WB Not re	once (Y/N On E	) N Bridge (m)		ance (	(Y/N)	Lan  Located at	ne EB		) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others	e WB Not re	once (Y/N On E	) N Bridge (m)		ance (	(Y/N)	Lan  Located at  Gas  Municipa	ne EB		) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others	e WB Not re	on E	) N Bridge (m)	In Adva	ance (	(Y/N)	Lan  Located at  Gas  Municipa	ne EB		) In Adv	ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others	e WB Not re	on E	) N Bridge (m)	In Adva	ance (	(Y/N)	Lan  Located at  Gas  Municipa  Problem  d / Emban	ne EB		) In Adv	ance (Y/N)		
Posted Vertica Posted: Land Remarks  Utility Attachm Telephone Power Others Remarks	e WB Not re	on E	) N Bridge (m)	In Adva	uti	(Y/N) ilities (L	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat	ne EB			ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig	e WB Not re  Not re  West 3 line	on E	) N Bridge (m)	In Adva	uti Uti Dproac Last	(Y/N) ilities (L	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat	ne EB	ndition		ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig	e WB Not re  Not re  West 3 line  gnment ment	on E	) N Bridge (m)	In Adva	utt	(Y/N) ilities (L ch Road Now	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat	ne EB	ndition		ance (Y/N)		
Posted Vertical Posted: Land Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alignm Roadway Widen	e WB Not rements West 3 line gnment ment lth (m)	on E	) N Bridge (m)	In Adva	utt	(Y/N) ilities (L ch Road Now	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertical Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alignm Roadway Wide	e WB Not re  Not re  West 3 line  gnment ment lth (m)	on E	) N Bridge (m)	In Adva	Dproac Last 6 6	(Y/N) ilities (L  ch Roac  Now  6 6	Gas Municipa Problem  d / Emban Explanat No passii	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertical Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig Vertical Alignn Roadway Wide Embankment Sideslope (_	e WB Not re  Not re  West 3 line  gnment the (m)	nce (Y/N On E equired.  r/w. E, fence	line.	In Adva	Dproac Last 6 6	(Y/N) ilities (L  ch Roac  Now  6 6	Gas Municipa Problem  d / Emban Explanat No passii	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertical Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alignm Roadway Widt  Embankment Sideslope (_ (Height of Ce	e WB Not re  Not re  West 3 line  gnment ment lth (m)  _:1)  cover(m):	nce (Y/N On E equired.  r/w. E, fence	line.	In Adva	Dproac Last 6 6	(Y/N) ilities (L  ch Roac  Now  6 6	Gas Municipa Problem  d / Emban Explanat No passii	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertica Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig Vertical Alignn Roadway Widi Embankment Sideslope (_	e WB Not re  Not re  West 3 line  gnment ment lth (m)  _:1)  cover(m):	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0	Ap	Dproac Last 6 6	(Y/N) ilities (L  ch Roac  Now  6 6	Gas Municipa Problem  d / Emban Explanat No passii	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertical Posted: Land Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Align Vertical Alignn Roadway Widd  Embankment Sideslope (_ (Height of Col Guardrail (Y/N)	e WB Not re  Not re  West 3 line  gnment ment lth (m)  _:1)  cover(m):	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0	Ap	Deproace (and the second secon	ch Road Now 6 6 N	Gas Municipa Problem  d / Emban Explanat No passii	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition		ance (Y/N)		
Posted Vertical Posted: Land Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Align Vertical Alignn Roadway Widd Embankment Sideslope (_ (Height of Column Guardrail (Y/N)	al Clearar e WB Not re Not re west 3 line gnment ment lth (m)  -:1) cover(m):	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0	Ap ating	Deproace (and the second secon	(Y/N) illities (L ch Road Now 6 6 1 Upstre	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat  No passin  Snow cov	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition st curve to the		ance (Y/N)		
Posted Vertical Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Align Vertical Alignn Roadway Widt Embankment Sideslope (_ (Height of Co Guardrail (Y/N Approach Ro  Culvert Comp	al Clearar e WB Not re Not re west 3 line gnment ment lth (m)  -:1) cover(m):	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0	Ap ating	Deproace (and before the content of	(Y/N) illities (L ch Road Now 6 6 6	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat  No passin  Snow cov	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition st curve to the		ance (Y/N)		
Posted Vertical Posted: Land Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig Vertical Alignm Roadway Widd  Embankment Sideslope (_ (Height of Coll Guardrail (Y/N)  Approach Ro  Culvert Comp Direction End Treatmen	e WB Not re Not re West 3 line  gnment ment lth (m)  cover(m): N)  pad / Emb	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0  Yes  The General Research of the G	Ap ating	Diproace (Last 6 6 N	(Y/N) illities (L ch Road Now 6 6 6	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat  No passin  Snow cov	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition st curve to the		ance (Y/N)		
Posted Vertical Posted: Lane Remarks  Utility Attachm Telephone Power Others Remarks  Horizontal Alig Vertical Alignn Roadway Wide Embankment Sideslope (_ (Height of Co	e WB Not re Not re West 3 line  gnment ment lth (m)  cover(m): N)  pad / Emb	once (Y/N On E equired.  r/w. E, fence	line.  11.400  4.0  Yes  The General Research of the G	Ap ating	Diproace (Last 6 6 N	(Y/N) illities (L ch Road Now 6 6 6	Lan  Located at  Gas  Municipa  Problem  d / Emban  Explanat  No passin  Snow cov	ne EB  (Y/N) No  nkment ation of Co ing NB, cre	ndition st curve to the		ance (Y/N)		

				eam End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape: )		X		
Cutoff Wall			X	
Bevel End		X	X	Squared end.
Heaving (mm)	0			Gate at West end.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200		_	
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	X	
Beavers (Y/N)	No			
Upstream End General Rating	1	7	7	GR was 7 from 17Aug2009.
		Bri	dge Cu	Ilvert Barrel
Culvert Component			Now	
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	pan (mm	1):	, Rise (mm): 2100, Type: MP)
Barrel Last Accessible Date	26-Nov-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	4	
Measured Rise (mm)		<u> </u>		
Measured At Ring No.				-
Sag (mm)	165			Sag estimated.
Percent Sag	8			
Sidewall	0	4	4	Span at W end=2195=95mm
Measured Span (mm)	2264			Span at midpipe=2264=164mm=7.8%Span at E end=2189=89mm
Measured At Ring No.	2204			
Deflection (mm)	164			7.8%
Percent Deflection	8			_
Floor	J	N	N	Dirt covered.
Bulge (mm)	0	IV	IN	Ditt to vereu.
Measured At Ring No.				
Abrasion (Y/N)	No			
	INU			
Circumferential Seams	0	6	6	
Separation (mm)	0	_	_	Directoral
Longitudinal Seams		7	7	Riveted.
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)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	No			

		Brid	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa			ı):	, Rise (mm): 2100, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
	ĭ			eam End
Culvert Component		Last	Now	Explanation of Condition
Direction	I	E		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	Squared end.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	250			
Scour Protection		N	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		N	X	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	GR was 7 from 17Aug2009.
			Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	Dirt covered.
Roadway Surface		N	N	
(Type : CONCRETE)				
Icing (Y/N)	No			
Traffic Safety Features		Х	Х	
Туре	None			
Lighting		Х	Х	
Barrel Leakage (Y/N)	No		-	

Structure Usage						
		Last	Now	Explanation of Condition		
Drainage		7	7			
Structure In Use (Y/N) Yes						
Grade Separation General Rating		7	7			

77974 -1 Bridge Culvert

		Maintenance	e Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Cor	nments	Target `	Year Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LININ	IG						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CU	TOFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last	Now) 44.4/4	Sufficiency Rating (La (%)	ast/Now) 67.5/67.0	Est. Repl. Yr	2024 Mai	nt. Reqd. (Y/N)	No
Special "4" rating for roof action required of Next Inspection	& sidewalls, mea her than regular	surement remain relatively constan nspections.	Department Comments				
Maintenance Reviewed By			Date		Estimated	d Total 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)	N						
Proposed Action	2007.05.21 R	evisit site again in two years to dete	ermine continued usage.				
	Jason Saly		Previous Assistant's Name				
Previous Inspector's Name							
	26-Aug-2014		Previous Inspection Date	08-Mar-2011			
Previous Inspector's Name  Next Inspection Date  Inspection Cycle (Default) (months)	26-Aug-2014 21		Previous Inspection Date	08-Mar-2011			