						В	ridge Ir	nspe	ction							
Bridge File Number 73124 -1 Bridge									Form Type			PCS				
Year Built/Year		1966/196	6						Lot No.			1				
Supstr									Inspector Name			Owen Salava				
Bridge or Town	Name								Inspector Class			BR CLS A				
Located Over				EK, 5.47	, WATE	TERCRS-ST			Assistant Name							
Located On		795:06 C	1 9.621						Assistant Class							
Water Body CI./									Inspection Date			08-Feb-2013				
Navigabil. Cl./Year								Data Entry By				Marcia Chav	/ez			
Legal Land Location NW SEC 7 TWP 47 RGE 26 W4N					26 W4M			Data Entry Date 1				18-Mar-2013	3			
Longitude, Latitude -113:48:19, 53:02:43								Reviewer Name			John O'Brier	า				
Road Authority Alberta Transportation (AIT))			Review Date			13-Feb-2013	3				
Contract Main. Area CMA17								Dep	ot. Revi	ewer N	lame	Chris Black				
Clear Roadway/	Skew	8.2 /						Dep	ot. Revi	ew Dat	te	28-Mar-2013	3			
AADT/Year		920 / 201						Foll	ow-Up	Ву						
Road Classificat		RCU-209	-110					-								
Detour Length (I		6				1										
Allowable Load		gle CS1 GIRI			Semi		S2 52 RDER					> On Critical Spans >Critical Member				
Design Loading:		HS2	0											> Primary	Span	
		· .				Po	osting Ir	nforn								
Required Load F		(t)		Single					Semi			Truck T				
Posted Loading				Single					Semi				Truck Train			
Posted:	Lane	NB		At Junct				In Advance (Y/N)			No		idge (Y/N)	No		
Posted:	Lane	SB		At Junct	ion (Y/N	N) No		In Advance (Y/N)		No	At Br	idge (Y/N)	No			
Remarks																
Hazard Marker	At Bridg	ge (Y/N)	Yes													
Remarks																
Other Sign Type	S		Informa	tion.												
						Uti	ilities (L	oca	ted at)							
Utility Attachme	<u> </u>							0			<u> </u>			- N - 4		
Telephone		d West di							Gas Gas into 2 residences 150m North. Municipal							
Power		s OH 15m North.	East of	c/I. OH p	ower cro	r crosses road										
Others									Problem (Y/N) No							
Remarks																
							Approa	ch R	oad							
					La	ast	Now		lanatio	on of C	ondi	tion				
Horizontal Align	ment					6	6	Inte	rsectio	n with	Hwy 6	316, 200m No	orth.			
Vertical Alignme	nt					7	7									
Roadway Width	(m)		9.000					Slight dip @ South approach caused by loss of fill through backwall.								
Approach Bump						4	6									
Guardrail (Y/N)			Yes									functional.				
Guardrail						5	5	Cor	nnected	l to brid	dgerai	Ι.				
Length (m)			8.000													
Current Stand	ard (Y/	N)	No					Not thrie beam.								
Termination T			Turn Do	wn					Turn down end @ SW & NE mounted too high.							
Drainage						7	7									
Approach Road General Rating						6	6									

					Supers	structure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Primary Spa	an : HC, 1 Spa	ns, Length	ns(m): 8.5, A-Id	ent Num	ber:)	
Special Feat	tures					
Special Feat	ure				Х	
(Type :)						_
Special Feat	ure				X	
(Type :)						
Wearing Sur	face/Deck Top	Detail Rat	ngs			
	N (%)	1 (%)	2 (%)	3 (%)		_
Last	10					_
Now						
Wearing Surface					6	5 medium cracks in asphalt between units.
(Material T	ype : ACP)					_
(Thickness	(mm) : 50)					_
Lateral Conn (Y/N)	ection Probler	n Yes				
Deck Top				N	N	
Deck Rideab	bility			7	7	
Deck Joints	N			N	N	Paved over.
Bump (Y/N	•	No				
Deck Draina	-			7	7	-
Drains Clo		No			_	
Curbs/Media				2	7	New curbs.
	e : Standard)					-
Scaling (Pe	ercent Area)	0			_	
Bridge Rail				4	7	Double layer.
	LVANIZED S	TEEL FLEX	(BEAM)			_
Bridge Rail F				2	7	-
	ST STEEL;PC	OST STEEL	_)			_
	Posts Coating			5	7	-
(Type : GA	LVANIZED)				_	
Sidewalk				X	X	
Girder Detail	Ratings					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	
Last			2		3	
Now	0	0	0		4	
Girders				2	3	G1,2,9,10 replaced with new cast girders.
Last Comple	te Inspection [Date 08-I	-eb-2013			
Cracking (`	Y/N)	Yes				G7 wide longit. cracks & spalls in AZ at both legs.
Spalling (P	ercent Area)	1				G5-8 spalls in AZ.
Lift or Conne Grouted (Y/N		Yes				
(Number Of	Girders : 10)					
Span Alignn	nent Problem	s				
Vertical (Y/	/N)	No				
Horizontal	(Y/N)	No				
Superstruct	ure General F	Rating		2	3	

Alberta Transportation

Bridge ComponentLastNowExplanation of ConditionAbutment's[Extended Backwall Piles (Y/N) : Y)Image: Second (Yesp Corbes) is (Yesp Corbes) (Second (Yesp Corbes) (Yesp Corbes) (Yesp Corbes) (Second (Yesp Corbes) (Subst	ructure
	Bridge Com	oonent			Last		
[Extended Backwall Piles Spacing(mm) : 1800) (Total Number of CaspSCorbels Setall Ratings N (count) 1 (count) 2 (count) 3 (count) Now 0 0 0 Baaring Saats/Caps/Corbels Setall Ratings 4 4 4 (Type : TRE-TT TIMBER)	Abutments						
	(Extended I	Backwall Piles	s (Y/N) : Y)				_
Bearing Seats/Caps/Corbels Detail Ratings 2 (count) 3 (court) Now 0 0 0 Bearing Seats/Caps/Corbels 4 4 (Type : TREATED TIMEET) 4 4 (Width(rm): 360) 5 5 Backwalls/Breastwalls 3.0 6 Greatest Height (m) 3.00 6 Sackwalls/Breastwalls 3.0 5 Greatest Height (m) 3.00 6 Greatest Height (m) 1 (count) 2 (count) 3 (court) Ples Detail Ratings 5 (Total Number of Bearing EVE) 5 5 Scour/Erosion 1 (count) 2 (count) 3 (court) Ples Detail Ratings 5 5 Scour/Erosion 2 (count) 3 (court) N (count) 1 (count) 2 (count) 5 Ples Setail Ratings 5 5 Scour/Erosion 2 (count) 3 (court) N (count) 1 (count) 2 (count) 5 Bearing Seats/Caps/Corbels Detail Ratings 5 Now 2 (count) 3 (court)	(Extended I	Backwall Piles	s Spacing(mn	n) : 1800)			
LastN (count)1 (count)2 (count)3 (count)Last0000Bearing Seats/Caps/Corbels44(Type : Tre X=Tre Tre Tre Tre Tre Tre Tre Tre Tre Tre			· · · · ·				_
Last Now0000Pearing Sets/Caps/Corbels44(Type : TREATED TIMBER (Type : TREATED TIMBER)46(Totpe : TREATED TIMBER)55Backwalls/Breastwalls46Greatest Height (m)3.005Backwalls/Breastwalls46Greatest Height (m)3.005Total Number of Bearing Piles : 7:755Piles Detail Ratings5Now000Now000Piles Detail Ratings5Socur/Erosion5Socur/Erosion5Socur/Erosion1 (court)1 (court)2 (court	Bearing Seate						-
Now0000Bearing Seats/Caps/CorbelsIII(Type: TREATED TIMBER)III(Midth(mm): 300)IIIBackwalls/BreastwallsIIIBackwalls/Breastwalls/BreastwallsIIIGreatest Height (m)3.00IIItal Image: Ima		N (count)	1 (count)	2 (count)	3 (cou	int)	-
Bearing Seats/Caps/Corbels 4 4 4 4 4 4 4 4 4 Caps stained and checked. (Tope: TREATED TIMBER) (Gentimm): 300 Backwalls/Breastwalls 4 6 Breastwalls installed. Gaps stained and checked. Greatest Height (m): 300 3.00 3.00 Breastwalls installed. Gaps stained and checked. Vingwalls 3.00 3.00 SW wingwall missing - photos. Gapt stained and checked. (Total Number of Bearing Piles: 7:7) 7 3 3 SW wingwall missing - photos. Piles Detail Ratings 5 5 5 5 Scour/Erosion 7 7 7 Piles studie.		-	-			_	-
$ \begin{array}{ c \\ \hline eq:product of the order of the ord$			-	0			-
					4	4	Caps stained and checked.
(Width(mm): 300) Image: Set			ER)				-
Backwalls/Breastwalls/Brea							-
Greatest Height (m) 3.00 3 SW wingwall missing - photos. Wingwalls I count) 1 (count) 3 (count) Hesp Detail Ratings I count) 1 (count) 3 (count) Last I count) 1 (count) 3 (count) Now 0 0 0 Piles I count) 2 (count) 3 (count) Abutment Stability X X Abutment Stability I S Files/Coating I I I (rype :) I S (Total Number of Caps/Corbels Detail Ratings I N (count) 1 (count) 2 (count) I (count) 2 (count) 3 (count) I (count) 1 (count) 2 (count) 3 (count) I (south) 1 (count) 2 (count) 3 (count) I (peth(mn) :) I I I I (1	6	Proostwelle installed
Wingwalls 3 3 SW wingwall missing - photos. (Total Number of Bearing Piles : 7:7) Piles Detail Ratings 3 (count) 1 (count) 2 (count) 3 (count) Last N (count) 1 (count) 2 (count) 3 (count)						0	
Indext of Bearing Piles : 7.7) Image: Constraint of Bearing Piles : 7.7) Piles Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last N 0 0 0 0 Now 0 0 0 0 0 Piles Files Piles 5 6 Paint/Coating X X Abutment Stability 5 5 Scour/Erosion 3 5 Piers/Bents							SW wingwall missing - photos
Piles Detail RatingsLastN (count)1 (count)2 (count)3 (count)Now000Piles \circ 66Paint/Coating \times XXAbutment Stability \cdot 55Scour/Erosion \cdot 55Piers/BentsN (count)1 (count)2 (count)3 (count)N (count)1 (count)2 (count)3 (count)N (count)1 (count)2 (count)3 (count)Nation of Caps/Corbel's :)Bearing Seats/Caps/Corbel's Detail RatingsNow02 (count)3 (count)Bearing Seats/Caps/Corbel's :)XXBearing Seats/Caps/Corbel's :)XXBearing Seats/Caps/Corbel's :)XXBearing Seats/Caps/Corbel's :)XXBearing Seats/Caps/Corbel's :)XXNow1 (count)1 (Vidth(mm) :)(N (count)N (count)2 (count)A (count)A (count)A (count)N (count)1 (count)1 (count)A (count)A (count)A (count)A (count)A (count)A (count)A (count)A (count) <td>wingwalls</td> <td></td> <td></td> <td></td> <td></td> <td>5</td> <td></td>	wingwalls					5	
	(Total Numbe	er of Bearing I	Piles : 7:7)				
Last Image: Now Image: Now </td <td>Piles Detail R</td> <td>atings</td> <td></td> <td></td> <td></td> <td></td> <td>_</td>	Piles Detail R	atings					_
Now000Piles i i Piles i i Abutment Stability i i Abutment Stability i i Scour/Erosion i i Fiers/Bents i i (Type :) i i (Type :) i i (Type :) i i (Total Number of Caps/Corbels Detail Ratings i Now i i Bearing Seats/Caps/Corbels i		N (count)	1 (count)	2 (count)	3 (cou	unt)	_
Piles 6 6 Paint/Coating X X Abutment Stability 5 5 Scour/Erosion 3 5 Piers/Bents (Type :) 3 (Total Number of Caps/Corbels 2) 3 Bearing Seats/Caps/Corbels Detail Ratings							-
Paint/Coating X X Abutment Stability 5 5 Scour/Erosion 3 5 Piers/Bents (Type :) 3 5 Paint/Coating X X N (count) 1 (count) 2 (count) 3 (count) Last N (count) 1 (count) 2 (count) 3 (count) Bearing Seats/Caps/Corbels X X (Type :) 2 (count) 3 (count) Greatest Height (m) 1 (count) 2 (count) 3 (count) Now 2 2 (count) 3 (count) Piles Shaft/Piles X X Now 2 3 (count) Now 2 3 (count) Piles Shaft/Piles X X Now 2 7 7		0	0	0			-
Abutment Stability55Scour/Erosion35Piers/Bents35(Type :) 3 5(Total Number of Caps/Corbels :) 3 Bearing Seats/Caps/Corbels Detail RatingsN (count)1 (count)2 (count)Bearing Seats/Caps/Corbels 3 Now 2 3 Bearing Seats/Caps/Corbels 3 Now 2 3 Bearing Seats/Caps/Corbels X XX(Type :) 2 (Depth(mm) :) 3 (Width(mm) :) 2 (Total Number of Bearing Piles :)Piles Detail RatingsN (count)1 (count) 2 3 Now 2 Now 2 N (count)1 (count) 2 3 Piles Detail RatingsPier Shaft/Piles X XXGreatest Height (m) X Bracing/Struts/Sheathing 7 7 7 Pile struts.							
Scour/Erosion35Piers/Bents (Type :) (Total Number of Caps/Corbels :) Bearing Seats/Caps/Corbels Detail RatingsN (count)1 (count)2 (count)3 (count)LastN (count)1 (count)2 (count)3 (count)Bearing Seats/Caps/CorbelsXXNowImage: Caps/CorbelsXX(Type :) (Upeth(mm) :) (Width(mm) :)XX(Total Number of Bearing Piles :)XXPiles Detail RatingsImage: Caps/CorbelsXN (count)1 (count)2 (count)3 (count)Piles Detail RatingsImage: Caps/Corbels Caps/CorbelsXN (count)1 (count)2 (count)3 (count)Piles Detail RatingsImage: Caps/Corbels Caps/CorbelsImage: Caps/Corbels Caps/CorbelsN (count)1 (count)2 (count)3 (count)Piles Detail RatingsImage: Caps/Corbels Caps/CorbelsImage: Caps/Corbels Caps/CorbelsN (count)1 (count)2 (count)3 (count)Pier Shaft/PilesXXGreatest Height (m)Image: Caps/CorbelsImage: Caps/CorbelsBracing/Struts/SheathingTTTPile Struts.TTPile struts.	Paint/Coating)			X	X	
Piers/Bents Image: Composition of Caps/Corbels :) Bearing Seats/Caps/Corbels Detail Ratings N (count) 1 (count) 2 (count) 1 (count) 2 (count) 3 (court) Bearing Seats/Caps/Corbels Image: Caps/Corbel of Caps/Caps/Corbel of Caps/Caps/Caps/Caps/Caps/Caps/Caps/Caps/	Abutment Sta	ability			5	5	
$ \begin{array}{ c c c } (Type :) & \\ (Total Number of Caps/Corbels :) & \\ Bearing Seats/Caps/Corbels Detail Ratings & \\ \hline N (count) & 1 (count) & 2 (count) & 3 (count) & \\ 1 (count) & 2 (count) & 3 (count) & \\ Last & & & & & \\ \hline Now & & & & & & \\ \hline Now & & & & & & \\ \hline Searing Seats/Caps/Corbels & & & & & \\ \hline Searing Seats/Caps/Corbels & & & & & \\ \hline Now & & & & & & & \\ \hline Searing Seats/Caps/Corbels & & & & & \\ \hline Now & & & & & & & \\ \hline (Type :) & & & & & & \\ \hline (Type :) & & & & & & \\ \hline (Total Number of Bearing Piles :) & & & & \\ \hline (Total Number of Bearing Piles :) & & & & \\ \hline (Total Number of Bearing Piles :) & & & & \\ \hline Total Number of Bearing Piles :) & & & \\ \hline Piles Detail Ratings & & & & \\ \hline N (count) & 1 (count) & 2 (count) & 3 (count) & \\ \hline Last & & & & & \\ \hline Now & & & & & & & \\ \hline Now & & & & & & & \\ \hline Pier Shaft/Piles & & & & & \\ \hline Sracing/Struts/Sheathing & & & & \\ \hline & & & & & & \\ \hline & & & & & &$	Scour/Erosio	n			3	5	
(Total Number of Caps/Corbels :) Bearing Seats/Caps/Corbels Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last Image: Caps/Corbels Corbels	Piers/Bents						
Bearing Seats/Caps/Corbels Detail RatingsLast1 (count)2 (count)3 (count)LastImage: Caps/Corbels detail and d	(Type :)						
Bearing Seats/Caps/Corbels Detail RatingsLast1 (count)2 (count)3 (count)LastImage: Caps/Corbels detail RatingsXXNowImage: Caps/Corbels detail RatingsXX(Type :) (Depth(mm) :)Image: Caps/Corbels detail RatingsXX(Width(mm) :)Image: Caps/Corbels detail RatingsImage: Caps/Corbels detail RatingsImage: Caps/Corbels detail RatingsPiles Detail RatingsImage: Caps/Corbels detail Ratings <td>(Total Numbe</td> <td>er of Caps/Co</td> <td>rbels :)</td> <td></td> <td></td> <td></td> <td></td>	(Total Numbe	er of Caps/Co	rbels :)				
LastImage: Construct of the second seco	Bearing Seat	s/Caps/Corbe	ls Detail Rati	ngs			-
NowImage: Caps/CorbelsXXBearing Seats/Caps/CorbelsXX(Type :)V(Depth(mm) :)V(Width(mm) :)V(Total Number of Bearing Piles :)Piles Detail RatingsN (count)1 (count)2 (count)3 (count)LastNImage: Caps/Caps/Caps/Caps/Caps/Caps/Caps/Caps/		N (count)	1 (count)	2 (count)	3 (cou	unt)	_
Bearing Seats/Caps/Corbels X X (Type :) (Depth(mm) :) (Width(mm) :) (Width(mm) :) (Total Number of Bearing Piles :) Piles Detail Ratings Piles Detail Ratings 2 (count) 3 (count) Last N (count) 1 (count) 2 (count) 3 (count) Last Now X X X Pier Shaft/Piles X X X Greatest Height (m) T T T Pile struts.							_
(Type :) (Depth(mm) :) (Width(mm) :) (Width(mm) :) (Total Number of Bearing Piles :) Piles Detail Ratings Piles Detail Ratings 0 Now 1 (count) 2 (count) 3 (count) Last 0 0 Now 0 0 0 Pier Shaft/Piles X X Greatest Height (m) 7 7 Bracing/Struts/Sheathing 7 7					_		_
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							-
Piles Detail RatingsN (count)1 (count)2 (count)3 (count)LastImage: Count in the second sec			<u> </u>				
$ \begin{array}{ c c c c c c } \hline N (count) & 1 (count) & 2 (count) & 3 (count) \\ \hline Last & & & & & & & & \\ \hline last & & & & & & & & \\ \hline Now & & & & & & & & & \\ \hline Now & & & & & & & & & & \\ \hline Now & & & & & & & & & & \\ \hline Pier Shaft/Piles & & & & & & & & & & \\ \hline Pier Shaft/Piles & & & & & & & & & & & \\ \hline Sreatest Height (m) & & & & & & & & & & & \\ \hline Bracing/Struts/Sheathing & & & & & & & & & & & & \\ \hline \end{array} $			-iles :)				-
	Flies Detall R		1 (count)	2(count)	2 (00)	unt)	-
Now Image: Second sec	Last				5 (00	ant)	-
Pier Shaft/Piles X X Greatest Height (m) T T Bracing/Struts/Sheathing 7 7 Pile struts.							1
Greatest Height (m) Image: Comparison of the strutt of t		es		1	Х	X	1
Bracing/Struts/Sheathing 7 7 Pile struts.							1
Nose Plate X X					7	7	Pile struts.
	Nose Plate				X	Х	
Paint/Coating X X	Paint/Coating	1			v	Y	
					^	^	
(Colour Description :) (Colour Code :)							-
Pier Stability X X		ue.)			V	Y	
	T ICI Stability					^	

Alberta Transportation

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour		X	X	
Debris (Y/N)	Yes			Old piles in streambed - photo.
Substructure General Rating	3	4	4	
			Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction : W)				_
(D/S Direction : E)				
Alignment		7	7	
Bank Stability		5	5	
HWM (m below Top of Curb)				Grass/debris to top of fence in channel u/s.
Drift (Y/N)	No			
Slope Protection		4	4	South headslope eroding.
(Type : NONE; NONE)				
Guidebank/Spurs		X	X	
Adequacy of Opening		6	6	
(Fish Compensation Measure	1 : NONE)			
(Fish Compensation Measure	2 : NONE)			
Channel General Rating		4	4	

			Maintenance Re	commend	ations						
Inspector Recommendations	Year	Inspect	or Comments		Department Co	mmen	Target Year	Est. Cost	Cat #		
REPAIR/REPLACE BRIDGE RAIL											
SEAL CURBS											
PATCH DECK											
OVERLAY DECK											
STRAIGHTEN/REPLACE MEMBERS											
WASHING											
SHOTCRETE REPAIRS											
CORE TIMBER CAPS/CORBELS	2013	Confirm	n cap/pile condition, old.								
REPAIR/REPLACE TIMBER CAPS											
REPAIR ABUTMENT SCOUR/EROSIO	N 2013	Restore	e hslps, 20m3 pitrun.								
PLACE ADDITIONAL RIP RAP	2013	15m3 C	CL2 riprap.								
REMOVE DRIFT ACCUMULATION											
INSTALL STRUTS											
OTHER ACTION	2013	Recast	girder flanges.								
OTHER ACTION	2013	Replace	e SW wingwall.								
OTHER ACTION	2013	Cut-off	old piles at streambed.								
OTHER ACTION											
Structural Condition Rating (Last/Nor (%)	w) 33.3/3	8.9	Sufficiency Rating (Last/N (%)	Now) t	53.4/57.2	Est	t. Repl. Yr	2021	Maint. Rec	qd. (Y/N)	Yes
Structural Condition Rating (Last/No	w) 33.3/3	8.9	Sufficiency Rating (Last/N (%)	Now) {	53.4/57.2 Department Comments	Est	t. Repl. Yr	2021	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection	w) 33.3/3	8.9	Sufficiency Rating (Last/N (%)	Now) {	Department	Est	t. Repl. Yr		Maint. Red		Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By			Sufficiency Rating (Last/N (%) ate until 2022. Continue on re		Department Comments Date	Est	t. Repl. Yr				Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By			(%)		Department Comments Date	Est	t. Repl. Yr				Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy			(%)		Department Comments Date	Est	t. Repl. Yr				Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action			(%)	gular BIM	Department Comments Date		t. Repl. Yr				Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Bridge should		(%)	egular BIM	Department Comments Date Cycle. CB		t. Repl. Yr 04-Mar-2010				Yes
Structural Condition Rating (Last/Nor (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date	Bridge should		(%)	egular BIM	Department Comments Date Cycle. CB						Yes