							Br	ridge I	nspect	tion							
Bridge File Number 01062 -1 Bridge						J			Form Type			PSR					
Year Built/Year 1960/196									Lot N	Lot No. 2			2				
Supstr								Inspe	Inspector Name Owen Sa			Owen Salav	n Salava				
Bridge or Town	Name		NALD						Inspector Class			BR CLS A					
Located Over BATTLE RIVER, 5, WA					o, WAIE	WATERCRS-ST			Assistant Name								
Located On 53:12 C1 0.032									Assistant Class								
Water Body Cl./									Inspection Date 29-Nov			29-Nov-201	2				
Navigabil. Cl./Ye		NE	SEC	EC 35 TWP 41 RGE 17 W4M						Data Entry By Marcia			Marcia Cha	cia Chavez			
3				1:30 52:34:39									06-Dec-201	06-Dec-2012			
			1:30, 52:34:28 Transportation (AIT)									John O'Brie	3rien				
Road Authority Contract Main. A	\rea	CMA		iansport	ation (Ai	1)				ew Dat			03-Dec-201				
Clear Roadway/		+	720							Dept. Reviewer Name							
AADT/Year	OKCW	1	n / 20)11 (A)							w Date	9	10-Dec-201	2			
Road Classificat	ion			.8-110					Follo	w-Up E	Зу						
Detour Length (32	,	.0 110						-							
Allowable Load			CS1	28		Semi	CS	2 49		-	Train	n CS3 62		> On Criti		cal Spans Member	
Design Loading:			HS2	0											> Primary Span		
							Pos	sting I	nforma	ation							
Required Load Posting (t)			Single					5	Semi	าi			Truc	k Train			
Posted Loading	(t)			Single					5	Semi			Tru		ruck Train		
Posted:	Lane	EB At Junction (tion (Y/N	N) No		In Advance (Y/N)		No	At Bridge (Y/N) No		No				
Posted:	Lane	١ ٧	NB_		At Junc	Junction (Y/N) No			li	n Adva	Advance (Y/N)		No	At Bı	ridge (Y/N)	No	
Remarks Not required.																	
Hazard Marker At Bridge (Y/N) Yes																	
Remarks																	
Other Sign Types River ID; "Centerline					rline rum												
Litility Attachman	oto						Util	ities (Locate	ed at)							
Utility Attachmer	ils								Gas								
Telephone Power									Muni	cinal							
Others	Wate	r dall	aina s	station at	SE					lem (Y	/NI) N	I) No					
Otricis	corne		91119	nation at	<u> </u>				1 1001		11)	•••					
Remarks		_						_	_								
									ach Ro								
							ast	Now		Explanation of Condition							
Horizontal Aligni							6	6	Farm West	Farm entrance both ends. No passing, blind curve to the West				ne East &			
Vertical Alignme				40.055			6	6	1.7000								
Roadway Width	` '			10.000			_	_									
Approach Bump				V			7	7	+								
Guardrail (Y/N) Yes					_	_	Crea	sed bu	ıt functi	iona	I. Scaling rus	t on ra	il.				
Guardrail			20,000			5	5	93m	Creased but functional. Scaling rust on rail. 93m @ NE, 74m @ SE, 59.0m @ SW, 38m @ NE.								
Length (m)	ard ()/	/NI)		38.000													
Current Stand		/IN)		Yes Turn Do	NA/D												
Termination Ty Drainage	ype			Tulli DC	74411		6	6									
Approach Road	d Gen	eral R	Rating)			6	6									

					Supers	structure				
Bridge Comp	onent			Last		Explanation of Condition				
(Primary Spa	n : PO, 3 Spa r	ns, Lengths	(m): 20.7-26.2	-26.2, A	-Ident	Number:)				
Special Feat	ures									
Special Featu	ıre			7	7	Center & East span.				
(Type : EX 1	SHEAR STIF	RRUP)								
Special Featu	ıre				X					
(Type :)										
Wearing Surfa	ace/Deck Top	Detail Ratin	gs							
	N (%)	1 (%)	2 (%)	3 (%)						
Last	0	0	0		0	Snow covered.				
Now	40.0	0.0	0.0	(0.0					
Wearing Surf (Material Ty COAT)		ETE - CONV	ENTIONAL CH	lip SEA	6 \L	FRC. Chipseal 40% worn away.				
(Thickness)	(mm) : 50)									
Lateral Conne (Y/N)	ection Problem	n No								
Deck Top				N	N					
Deck Rideabi	lity			7	7					
Deck Joints				7	5	Pier jnt leakage staining piers, possibly old.				
Temperatur	e (deg. C)	-15				Ice on A1,2 backwall, possible leak. Ice on P1 face, S side.				
(Expansion	Type : GLAN	D (WABO-N	AUER, TRAN	SFLEX,	ETC))					
(Fixed Type	e:)									
Gap Size (r	nm)	Gap	Location							
65 A1										
72		P1								
76		P2				_				
65		A2								
Deck Drainag	je			5	5	Concrete stains & rusty caps under P2 jnt on pier.				
Drains Clog		No								
Curbs/Mediar	า			5	5	Underside of curbs covered with swallow nests. Typical vertical				
(Curb Type	: Standard)					cracking.				
Scaling (Pe	rcent Area)	15								
Bridge Rail				7	7	Original railing.				
(Type : GAI	LVANIZED ST	EEL BRIDG	E TUBE)			45% of posts have perforations at base with web almost completely				
Bridge Rail P	osts			7	7	gone.				
(Type : POS	ST STEEL;PO	ST STEEL)				Scaling rust to 90% of surface - original railing. Retrofit rail installed; governs rating.				
Bridge Rail/P	osts Coating			7	7					
(Type : GAI	LVANIZED)									
Sidewalk										
Girder Detail	Ratings									
	N (count) 1 (count) 2 (count)		2 (count)	3 (co	unt)					
Last	4	0	0		0					
Now	0	0	0		0					
Girders				7	7	Typical sole plate cracks.				
Cracking (Y	′/N)	No								
Spalling (Pe	ercent Area)	0								
(Number Of C	Girders : 12)									

Bridge Component				Suners	structure				
Certimary Spans P.O. 3 Spans Lengths(m): 20.7-26.2-26.2, A-Ident Number:	Bridge Component								
Diaphragms/Cross Frame		 enaths(m): 20.7-26.2-2			•				
SZG3.4 disphragm spalled. Bearings at on a stiffened HP.		g ().							
Temperature (deg. C)	Diaprinagino, crocc i famo			L '	S2G3,4 diaphragm spalled.				
(Expansion Type : STEEL SLIDING PLATES WITH BRONZE PLATE IN BETWEEN)	Bearings		6	6	Pier bearings sit on a stiffened HP.				
PLATE IN BETWEEN	Temperature (deg. C)	-15							
Crosting Adequate (Y/N)	(Expansion Type : STEEL SLI PLATE IN BETWEEN)	DING PLATES WITH E	BRONZ	Έ					
Functioning (Y/N)	(Fixed Type : PINNED BEARI	NG)			Scaling rust.				
Functioning (Y/N)	Coating Adequate (Y/N)	No							
Stains (Percent Area)		Yes							
Span Alignment Problems	Deck Underside		7	7					
Span Alignment Problems		0							
Vertical (Y/N)	` '								
Horizontal (Y/N)		No							
Substructure Substructure									
Bridge Component			6	6					
Bridge Component				Subst	ructure				
Abutments Bearing Seats/Caps 6 6	Bridge Component		Last						
Bearing Seats/Caps				11011	ZAPIGNATION OF CONTRIBUTION				
Type : CONCRETE			6	6					
Backwalls/Breastwalls									
Piles N N Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 5 5 Minor gullies @ A1. Piers/Bents (Type : PIER-SOLID) (2 delaminations on side of caps where pipe meets cap. Bearing Seats/Caps 4 4 285ep2006, Stained from leaking joints; unable to verify. (Type : CONCRETE) (Total Number of Bearing Piles : 0:0) 5 Stained from leaking joints; unable to verify. Pier Shaft/Piles 7 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description :) (Colour Code :) 1 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No No No					Crack, effloresence & crack on backwalls.				
Paint/Coating X X Abutment Stability 7 7 Scour/Erosion 5 5 Minor gullies @ A1. Piers/Bents (Type : PIER-SOLID) (2 delaminations on side of caps where pipe meets cap. 28Sep2006). Stained from leaking joints; unable to verify. (Type : CONCRETE) (Total Number of Bearing Piles : 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No	Wingwalls		6	6	Scaling on SW corner.				
Abutment Stability 7 7 Scour/Erosion 5 5 Minor gullies @ A1. Plers/Bents (Type : PIER-SOLID) Bearing Seats/Caps (2 delaminations on side of caps where pipe meets cap. 28Sep2006). Stained from leaking joints; unable to verify. (Total Number of Bearing Piles : 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No	Piles			N					
Scour/Erosion 5 5 Minor gullies @ A1. Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps 4 4 4 28Sep2006). Stained from leaking joints; unable to verify. (Total Number of Bearing Piles: 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description:) (Colour Code:) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No	Paint/Coating		X	X					
Piers/Bents (Type: PIER-SOLID) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description:) (Colour Code:) Pier Stability 7 7 Debris (Y/N) No	Abutment Stability		7	7					
(Type : PIER-SOLID) Bearing Seats/Caps	Scour/Erosion		5	5	Minor gullies @ A1.				
(Type : PIER-SOLID) Bearing Seats/Caps	Diago/Danta								
Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 0:0) Pier Shaft/Piles Bracing/Struts/Sheathing Nose Plate (Colour Description:) (Colour Code:) Pier Stability 7 7 Debris (Y/N) No 28Sep2006). Stained from leaking joints; unable to verify. Stained from leaking joints; unable to verify. 1					(2 deleminations on side of sons where nine mosts can				
(Type : CONCRETE) (Total Number of Bearing Piles : 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No			1	1	28Sep2006).				
(Total Number of Bearing Piles : 0:0) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No			4	4	Stained from leaking joints; unable to verify.				
Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate 7 7 Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description:) (Colour Code:) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No		0.0\							
Bracing/Struts/Sheathing X X Nose Plate 7 7 Paint/Coating 4 4 (Colour Description:) (Colour Code:) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No	·	0.0)	7	7	-				
Paint/Coating 4 4 Full surface rusted, superficial. (Colour Description:) (Colour Code:) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No									
(Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 Debris (Y/N) No	Nose Plate		7	7					
(Colour Description :) (Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 Debris (Y/N) No	Paint/Coating		4	4	Full surface rusted, superficial.				
(Colour Code :) Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No					1				
Pier Stability 7 7 Unbalanced fill W side of P1. Scour 7 7 Debris (Y/N) No									
Debris (Y/N) No			7	7	Unbalanced fill W side of P1.				
	Scour		7	7					
Substructure General Rating 4 4	Debris (Y/N)	No							
	Substructure General Rating		4	4					

		5	Structu	re Usage
			Now	Explanation of Condition
Channel				
(U/S Direction: N)				
(D/S Direction : S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Curb)	HWM (m below Top of Curb)			HWM not visible.
Drift (Y/N)	No			
Slope Protection		5	5	Concrete sandbags under bridge only on headslopes. Deteriorating
(Type: NATURAL; NATURAL)			natural banks, minor.
Guidebank/Spurs		Х	X	
Adequacy of Opening			8	
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	5	

01062 -1 Bridge

			Maintenance Red	commend	ations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL										
GALVANIZE/PAINT BRIDGE RAIL										
SEAL CURBS										
PATCH DECK										
SEAL DECK										
OVERLAY DECK										
REPAIR/REPLACE DECK JOINTS	2013	Repair le	eaking jnts A1,2 P1							
RESET/ PAINT BEARINGS	2013	Paint.								
WASHING										
SHOTCRETE REPAIRS										
REPAIR ABUTMENT SCOUR/EROSIG	NC									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
OTHER ACTION	2013	Remove the earth	fill from West side of pier 1 to pressure better.	o balance						
OTHER ACTION	2013	Paint pie	er nose plates.							
OTHER ACTION	2013	Patch sp	alled end diaphragm at P1.							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 55.6/5	5.6	Sufficiency Rating (Last/N	low) 5	52.6/52.6	Est. Repl. Yr	2025	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection				·	Department Comments					
Maintenance Reviewed By					Date		E	Estimated Total	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava			Previous /	Previous Assistant's Name					
Next Inspection Date	29-Aug-2014			Previous Inspection Date 09-May-2011						
·	21									

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

01062 -1 Bridge

Comment