							Bı	ridge Ir	nspec	tion							
Bridge File Number 76091 -1								Form	Туре		PSR						
Year Built/Year 1981/198				981/1981 L					Lot N	lo.		2					
Supstr								Inspector Name			Garry Roberts						
Bridge or Town Name WATER VALLEY					\ \A/A TEI	TEDODE ST			Inspector Class			BR CLS A					
Located Over GREASE CREEK, 3.89.26, WA Located On 579:02 C1 22.386					, WATE	(IERCRS-SI			Assistant Name								
Located On	/	5/9	:02 C	1 22.386						Assistant Class							
Water Body Cl./									Inspection Date			18-Jul-2012					
Navigabil. Cl./Ye		NE	SEC 9	D TIME 20					Data Entry By Kelse				Kelsey Robe	elsey Roberts			
Legal Land Loca									Data	Data Entry Date 27-Aug-2012							
Longitude, Latitu Road Authority	iue			9, 51:28: ransporta		Γ\			Reviewer Name			Tom Carey					
Contract Main. A	roa	CMA		iansporta	mon (Ai	1)				ew Dat			27-Jul-2012				
Clear Roadway/				deg. (LHF	=)								Tim Davies				
AADT/Year	OKCW		/ 201		)						ew Date	)	06-Sep-2012	2			
Road Classificat	ion		J-208-						Follo	w-Up I	Ву						
Detour Length (		64															
Allowable Load		-	CS1	28		Semi	cs	2 49			Train	cs	3 62		> On Critic	al Spans lember	
Design Loading:			MS3	50								'			> Primary	Span	
							Po	sting Ir	nforma	ation							
Required Load F	Posting	(t)		Single					5	Semi				Truck Train			
Posted Loading (t)					Single					Semi			Truck Train				
Posted:	Lane	١	NB		At Junction (Y/N)		l) l	No	lı lı	n Adva	dvance (Y/N)		No	At Bridge (Y/N)		No	
Posted:	Lane	5	SB		At Junc	tion (Y/N	(Y/N) No		I	In Advance (Y/N)		No	At Bridge (Y/N)		No		
Remarks	Not R	eq															
Hazard Marker At Bridge (Y/N) Yes																	
Remarks																	
Other Sign Type	S			CURVE	, CREE	K I.D.											
							Util	lities (L	_ocate	ed at)							
Utility Attachmer	· ·																
Telephone	@ E F								Gas								
Power	1W 20	JUM I	N						Muni		7NI) X						
Others	Tomp	o ko ki	, aabl		t and al	and along east curb				Problem (Y/N) Yes							
Remarks	теттр	orary	/ Cable	es w eas	ot allu all	ong east		o Approa	ch Re	ad							
						La	ast	Now			n of Co	ondit	ion				
Horizontal Aligni	nent							6	Explanation of Condition  Curves and grade both ends								
Vertical Alignme							7	6	Jane Grand Grand								
Roadway Width (m)				9.500					Grav	el							
Approach Bump							4	5									
Guardrail (Y/N)			Yes					Missi	Missing transition bolts at SE (2), NE (1) and NW (2)								
Guardrail						4	4	1	Not thriebeam								
Length (m)			15.400						101 11	NOT HITEDEATH							
Current Standard (Y/N) No			No														
Termination Type TURNED DOWN					N												
Drainage						5	7										
Approach Road General Rating					6	6											

					Supers	structure				
Bridge Component	t					Explanation of Condition				
(Primary Span : RM	, 3 Span	s, Lengths	(m): 14-16-16,	A-Iden	t Numl	per: )				
Special Features										
Special Feature					X					
(Type:)					_					
Special Feature					X					
(Type:)										
Wearing Surface/De	eck Top [	Detail Rating	js							
N (%)		1 (%)	2 (%)	3 (%)						
Last	0	0	0		0					
Now (	0.0	0.0	0.0	(	0.0					
Wearing Surface				5	5	Random Transverse and longitudinal cracks				
(Material Type : A	CP)									
(Thickness(mm):	<b>50</b> )									
Lateral Connection (Y/N)	Problem	No								
Deck Top				N	N					
Deck Rideability				6	6					
Deck Joints				N	N	Not visible, covered with asphalt.				
Temperature (deg	j. C)									
(Expansion Type:	: )									
(Fixed Type : )										
Gap Size (mm)		Gap	Location							
						- - -				
Deck Drainage				5	4	100mm gravel @ gutters- drains on grade to south. 50mm gap at SW				
Drains Clogged (Y	//N)	No				end of precast causing abut erosion.				
Curbs/Median				7	7	Cracks in curb face approx. every				
(Curb Type : Stan	dard)					500 mm. Curb transition pulling away.				
Scaling (Percent A	Area)	0								
Bridge Rail				8	8					
(Type : GALVANI	ZED STE	EEL BRIDG	E TUBE)			12 posts A/B with insufficient thread				
Bridge Rail Posts				4	4					
(Type : GALVANI STEEL)	ZED PO	ST STEEL;	GALVANIZED	POST						
Bridge Rail/Posts C	oating			7	7					
(Type : GALVANI										
Sidewalk					X					
Girder Detail Rating	S									
N (count) 1 (count) 2 (count)					unt)					
_	0	0	0		0					
Now 0 0 0 0										
Girders				7	6	Strand deflection brackets not grouted in plant at Sp.1-G2.G7 Sp.2-				
Cracking (Y/N)		No				Strand deflection brackets not grouted in plant at Sp.1-G2,G7 Sp.2-G2,G3 and Sp.3-G1,G2 causing isolated corrosion spots from low				
Spalling (Percent	Area)	2				cover.				
(Number Of Girders	· ·									

Bridge Component			Ş	Supers	tructure				
Disphragms/Cross Frame	Bridge Component		1						
Bearings		engths(m): 14-16-16,	A-Ident		-				
Temperature (deg. C)   25	Diaphragms/Cross Frame		Х	Х					
Temperature (deg. C)   25	Bearings		7	7					
(Expansion Type : REINFORCED PAD BEARING) ((Fixed Type : ) Coating Adequate (Y/N)				· ·					
Fixed Type :   Costing Adequate (Y/N)   Yes									
Coating Adequate (Y/N) Yes Functioning (Y/N) Yes Deck Underside 6 6 6 Active leakage & corrosion stains btwn girders, minor spalls @ deflection brackets  Stains (Percent Area) 5 Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 6  Bridge Component Last Now Explanation of Condition  Abutments Bearing Seats/Caps 8 8 8 Citype: CONCRETE) Backwalls/Breastwalls N N N not visible behind girders  Wingwalls 8 8  Piles N N N buried  Paint/Coating 6 6 6 Abutment Stability 8 8 8  Scour/Erosion 6 6 Minor erosion gullies.  Piers/Bents (Type: CNOCRETE) (Type: CNOCRETE) (Total Number of Bearing Piles: 3:3) Pier Shaft/Piles 8 8 8  Racing/Struts/Sheathing 8 8 8  Scour 8 8 8  Debris (Y/N) Yes 11 piles from previous abut at SW									
Functioning (Y/N)   Yes   6		Yes							
Deck Underside 6 6 Active leakage & corrosion stains btwn girders, minor spalls @ deflection brackets  Span Alignment Problems  Vertical (Y/N) No  Horizontal (Y/N) No  Superstructure General Rating 6 6  Bridge Component Last Now Explanation of Condition  Abutments  Backwalls/Breastwalls No No  Paint/Coating 6 6  Abutment Stability 8 8 8  Scour/Erosion 6 6 6  Minor erosion guilles.  Piers/Bents  (Type : PIER-COLUMN)  Bearing Seats/Caps 8 8 8  Files No No No  Scour/Erosion 6 6 6  Abutment Stability 8 8 8  Scour/Erosion 6 6 6  Piers/Bents  (Type : CONCRETE)  Total Number of Bearing Piles : 3:3)  Pier Shaft/Piles 8 8 8  Pier Shaft/Piles 8 8 8  Scour 8 11 piles from previous abut at SW									
Stains (Percent Area)   5			6	6	Active leakage & corrosion stains btwn girders, minor spalls @				
Span Alignment Problems		5			deflection brackets				
Vertical (Y/N)	<del></del>								
Horizontal (Y/N)		No							
Substructure   Substructure		No							
Substructure			6	6					
Bridge Component	·								
Abutments   Bearing Seats/Caps   8   8   8	Bridge Component		Loot						
Bearing Seats/Caps			Last	INOW	Explanation of Condition				
Crype : CONCRETE			8	8					
Backwalls/Breastwalls  Wingwalls  Wingwalls  Piles  N N Duried  Paint/Coating 6 6 6  Abutment Stability 8 8 8  Scour/Erosion 6 6 6 Minor erosion gullies.  Piers/Bents (Type: PIER-COLUMN) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 3:3) Pier Shaft/Piles  Bracing/Struts/Sheathing 8 8 8  Nose Plate  X X  Paint/Coating (Colour Description: BROWN) (Colour Code: 30252) Pier Stability  8 8 8  Scour  8 8 8  Bracorg (Y/N)  Yes  11 piles from previous abut at SW	·		0	_ 0					
Wingwalls         8         8           Piles         N         N         burried           Paint/Coating         6         6         6           Abutment Stability         8         8           Scour/Erosion         6         6         Minor erosion gullies.           Piers/Bents           (Type : PIER-COLUMN)         8         8           Bearing Seats/Caps         8         8           (Type : CONCRETE)         (Total Number of Bearing Piles : 3:3)         Pler Shaft/Piles         8         8           Bracing/Struts/Sheathing         8         8         8           Nose Plate         X         X         X           Paint/Coating         6         5         Starting to peel at bases. Stained from grout key corrosion & leakage.           (Colour Description : BROWN)         (Colour Code : 30252)         Reakage.           Pier Stability         8         8           Scour         8         8           Debris (Y/N)         Yes         11 piles from previous abut at SW			N	N	not visible behind girders				
Piles         N         N         buried           Paint/Coating         6         6         6           Abutment Stability         8         8           Scour/Erosion         6         6         Minor erosion gullies.           Piers/Bents           (Type : PIER-COLUMN)         8         8           Bearing Seats/Caps         8         8           (Type : CONCRETE)         (Total Number of Bearing Piles : 3:3)         Pier Shaft/Piles           Bracing/Struts/Sheathing         8         8           Nose Plate         X         X           Paint/Coating         6         5         Starting to peel at bases. Stained from grout key corrosion & leakage.           (Colour Description : BROWN)         (Colour Code : 30252)         Each age.           Pier Stability         8         8           Scour         8         8           Debris (Y/N)         Yes         11 piles from previous abut at SW	Backwaiis/Breastwaiis		'`		The visible betting gracis				
Paint/Coating	Wingwalls		8	8					
Abutment Stability 8 8 8  Scour/Erosion 6 6 Minor erosion gullies.  Piers/Bents (Type : PIER-COLUMN)  Bearing Seats/Caps 8 8 8 (Type : CONCRETE) (Total Number of Bearing Piles : 3:3) Pier Shaft/Piles 8 8 8  Bracing/Struts/Sheathing 8 8  Nose Plate X X  Paint/Coating 6 5 Starting to peel at bases. Stained from grout key corrosion & leakage.  (Colour Description : BROWN) (Colour Code : 30252) Pier Stability 8 8 8  Scour 8 8 8  Debris (Y/N) Yes 11 piles from previous abut at SW	Piles		N	N	buried				
Scour/Erosion   6	Paint/Coating		6	6					
Piers/Bents (Type: PIER-COLUMN) Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 3:3) Pier Shaft/Piles 8 8 Bracing/Struts/Sheathing 8 8 Nose Plate X X Paint/Coating 6 5 Starting to peel at bases. (Colour Description: BROWN) (Colour Code: 30252) Pier Stability 8 8 Scour 8 8 Debris (Y/N) Yes 11 piles from previous abut at SW	Abutment Stability		8	8					
(Type : PIER-COLUMN)  Bearing Seats/Caps	Scour/Erosion		6	6	Minor erosion gullies.				
Bearing Seats/Caps (Type: CONCRETE) (Total Number of Bearing Piles: 3:3) Pier Shaft/Piles Bracing/Struts/Sheathing  Nose Plate  X X  Paint/Coating (Colour Description: BROWN) (Colour Code: 30252) Pier Stability  8 8  Scour  8 8  8 1  8 8  8 8  8 8  8 8  8 8  8	Piers/Bents								
(Type : CONCRETE) (Total Number of Bearing Piles : 3:3) Pier Shaft/Piles	(Type : PIER-COLUMN)								
(Total Number of Bearing Piles : 3:3)  Pier Shaft/Piles	Bearing Seats/Caps		8	8					
Pier Shaft/Piles  Bracing/Struts/Sheathing  8 8  Nose Plate  X X  Paint/Coating (Colour Description: BROWN) (Colour Code: 30252)  Pier Stability  8 8  Scour  8 8  Debris (Y/N)  Yes  Starting to peel at bases. Stained from grout key corrosion & leakage.	(Type : CONCRETE)								
Bracing/Struts/Sheathing  8 8  Nose Plate  X X  Paint/Coating  (Colour Description : BROWN) (Colour Code : 30252)  Pier Stability  8 8  Scour  8 8  Debris (Y/N)  Yes  Starting to peel at bases. Stained from grout key corrosion & leakage.  11 piles from previous abut at SW		3:3)							
Nose Plate  X X  Paint/Coating 6 5  (Colour Description : BROWN) (Colour Code : 30252)  Pier Stability 8 8  Scour 8 8  Debris (Y/N) Yes  Starting to peel at bases. Stained from grout key corrosion & leakage.  11 piles from previous abut at SW	Pier Shaft/Piles		8	8					
Paint/Coating  (Colour Description : BROWN)  (Colour Code : 30252)  Pier Stability  8 8  Scour  8 8  Debris (Y/N)  Yes  Starting to peel at bases. Stained from grout key corrosion & leakage.  11 piles from previous abut at SW	Bracing/Struts/Sheathing		8	8					
(Colour Description : BROWN) (Colour Code : 30252)  Pier Stability  8 8  Scour  8 8  Debris (Y/N)  Yes  Stained from grout key corrosion & leakage.	Nose Plate		Х	Х					
(Colour Description : BROWN) (Colour Code : 30252)  Pier Stability  8 8  Scour  8 8  Debris (Y/N)  Yes  Stained from grout key corrosion & leakage.	Paint/Coating		6	5	Starting to peel at bases.				
(Colour Code : 30252)         8         8           Pier Stability         8         8           Scour         8         8           Debris (Y/N)         Yes         11 piles from previous abut at SW					Stained from grout key corrosion &				
Pier Stability 8 8 8  Scour 8 8  Debris (Y/N) Yes 11 piles from previous abut at SW					icanayc.				
Debris (Y/N)  Yes  11 piles from previous abut at SW	·			8					
	Scour			8					
Substructure General Rating 8 8	Debris (Y/N)	Yes			11 piles from previous abut at SW				
	Substructure General Rating		8	8					

		5	Structu	re Usage					
				Explanation of Condition					
Channel									
(U/S Direction : W)									
(D/S Direction : E)									
Alignment		8	7						
Bank Stability		6	5	Steep cut @ SW					
HWM (m below Top of Curb)	4.0			((910919)) No Visible HWM					
Drift (Y/N)	No								
Slope Protection		8	7						
(Type: RIP RAP; RIP RAP)									
Guidebank/Spurs		Х	X						
Adequacy of Opening		8	7						
(Fish Compensation Measure 1:	NONE)								
(Fish Compensation Measure 2	NONE)								
Channel General Rating		8	7						

76091 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance	Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department C	omment	s		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK									
SEAL DECK	2012	Seal ACP cracks							
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS									
RESET/ PAINT BEARINGS									
WASHING	2012	Clean Deck- Wash							
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSI	NC								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION	2012	Ditch in Telus cables							
OTHER ACTION	2012	Remove 11 piles at SW							
OTHER ACTION	2012	Install 4-50mmx16mm dia bolts @ bridgerail connection	@ GR to						
OTHER ACTION	2012	Seal gap at south approach back 50mm AIFB	wall planks-						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 77.8/77	Sufficiency Rating (La (%)	ast/Now) 67.5/67.5	Est	. Repl. Yr	2035	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date			E	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous Assistant's Nam	ne					
Next Inspection Date	18-Oct-2015		Previous Inspection Date						
Inspection Cycle (Default) (months)	39		,						

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

76091 -1 Bridge

Comment