					=	Bridge Ir	nspect	tion								
er	00904 -1 Bridge							Туре			SG					
Year Built/Year 1954/1954							Lot No.				4					
Supstr							Inspector Name				Jason Rusu					
Bridge or Town Name TWIN BUTTE							Inspector Class			BR CLS A						
Located Over DRYWOOD CREEK, 2.12.22.5.1					14,		Assistant Name									
	6:04 C1 2	1.229					Assistant Class									
'ear							Inspection Date			30-Oct-2011						
ar																
	NW SEC	17 TWP	4 RGE 2	9 W4	М		, ,			29-Nov-2011						
de	-113:52:2	6, 49:18:	:05						ame		Garry Roberts					
	Alberta Ti	ransporta	ation (AIT	-)		Review Date					12-Nov-2011					
			•	•			Dept. Reviewer Name			me	Tim Davies					
Skew	9.1 /						Dept. Review Date				01-Dec-2011	l				
)10 (A)					Follo	w-Up E	Зу							
		. ,														
-																
1	gle CS1			Semi					Train				> On Critical Spans			
	HS20)						, Cil					> Primary			
					Po	sting Ir	nforma	ation					,	'		
Required Load Posting (t) Single							Semi			Truck Train						
t)							S	Semi				Truck Train				
Lane	NB		At Junct	ion (Y	Y/N) No		li	n Adva			No			No		
Lane				′/N)	No	lı	n Adva	ance (Y	/N)	No	At Bridge (Y/N)		No			
Remarks Not req.																
Hazard Marker At Bridge (Y/N) Yes																
Remarks																
Other Sign Types Sharp curve, steep gi			ep gra	ade, 8	5 km/hr	adviso	ory. Dr	ywood	Cree	ek.						
					Ut	ilities (L	_ocate	ed at)								
ts TE	LEPHON	IE UTILI	TIES-PHO	J ANC	INE											
South	ditch & ur	nder Sou	th curb.				Gas	Gas								
							Municipal									
							Problem (Y/N) No									
					Last	Now	· ·									
nent					4	4	Shar		es, 300	m się	ght distance f	rom N	lorth; 85 km/h	r. Hill both		
Vertical Alignment					5	5	ando									
	Roadway Width (m) 9.700						New	pavem	nent							
(m)		3.700			_	8										
(m)		3.700			5											
(m)		Yes			5											
(m)					6	7										
(m)																
(m) ard (Y/N	N)	Yes														
	N)	Yes 34.000 Yes	D DOWN	J												
ard (Y/N	N)	Yes 34.000 Yes	D DOWN	J												
	rea Skew on m) sing t) Lane Lane Not rect t Bridg	Name TWIN BU DRYWOO WATERO 6:04 C1 2 Year ar tion NW SEC de -113:52:2 Alberta Tr rea CMA26 Skew 9.1 / 1,010 / 20 on RAU-211 m) 8 t): Single CS1 GIRE HS20 osting (t) t) Lane NB Lane SB Not req. tt Bridge (Y/N)	Name TWIN BUTTE DRYWOOD CREE WATERCRS-ST 6:04 C1 21.229 Tear ar tion NW SEC 17 TWP de -113:52:26, 49:18: Alberta Transporta rea CMA26 Skew 9.1 / 1,010 / 2010 (A) on RAU-211.8-110 m) 8 t): Single CS1 72 GIRDER HS20 osting (t) t) Lane NB Lane NB Lane SB Not req. tt Bridge (Y/N) Yes ts TELEPHONE UTILIT South ditch & under Sou	Name TWIN BUTTE DRYWOOD CREEK, 2.12. WATERCRS-ST 6:04 C1 21.229 Year ar tion NW SEC 17 TWP 4 RGE 2 de -113:52:26, 49:18:05 Alberta Transportation (AIT rea CMA26 Skew 9.1 / 1,010 / 2010 (A) on RAU-211.8-110 m) 8 t): Single CS1 72 GIRDER HS20 osting (t) Single Lane NB At Junct Not req. tt Bridge (Y/N) Yes s Sharp curve, ste ts TELEPHONE UTILITIES-PHO South ditch & under South curb.	Name TWIN BUTTE DRYWOOD CREEK, 2.12.22.5.1 WATERCRS-ST 6:04 C1 21.229 Year ar tion NW SEC 17 TWP 4 RGE 29 W4 de -113:52:26, 49:18:05 Alberta Transportation (AIT) rea CMA26 Skew 9.1 / 1,010 / 2010 (A) on RAU-211.8-110 m) 8 t): Single CS1 72 GIRDER HS20 osting (t) Single Lane NB At Junction (Y Not req. tt Bridge (Y/N) Yes Sharp curve, steep gra ts TELEPHONE UTILITIES-PHONE I South ditch & under South curb.	Name TWIN BUTTE DRYWOOD CREEK, 2.12.22.5.14, WATERCRS-ST 6:04 C1 21.229 Year ar tion NW SEC 17 TWP 4 RGE 29 W4M de -113:52:26, 49:18:05 Alberta Transportation (AIT) rea CMA26 Skew 9.1 / 1,010 / 2010 (A) on RAU-211.8-110 m) 8 ti): Single CS1 72 GIRDER HS20 Property of the state of	Name TWIN BUTTE DRYWOOD CREEK, 2.12.22.5.14, WATERCRS-ST 6:04 C1 21.229 Year ar	Name	Inspector N Inspector N Inspector C DRYWOOD CREEK, 2.12.22.5.14, WATERCRS-ST 6:04 C1 21.229 Inspection I Data Entry Reviewer N Reviewer N Review Dat Dept. Revie Dept. Revie Follow-Up E Single CS1 72 GIRDER HS20 Posting Information Osting (t) Single Semi CS2 94 GIRDER HS20 Posting Information Osting (t) Single Semi Lane NB At Junction (Y/N) No In Adva Data Entry Reviewer N Reviewer N Reviewer N Reviewer N Review Dat Dept. Revie Follow-Up E Single Semi CS2 94 GIRDER HS20 Posting Information Osting (t) Single Semi Single Semi The Dept. Revie Follow-Up E Semi CS2 94 GIRDER Follow-Up E Follo	Inspector Name Inspector Name Inspector Class Assistant Name Assistant Class Inspection Date Assistant Class Inspection Date Data Entry By Data Entry Date Reviewer Name Review Date Dept. Revie	Inspector Name Inspector Class DRYWOOD CREEK, 2.12.22.5.14, WATERCRS-ST 6:04 C1 21.229 Inspection Date Data Entry By Data Entry By Data Entry Date Reviewer Name Review Date Dept. Reviewer Name Dept. Review Date Dept. Review Date Dept. Review Date Follow-Up By Posting Information Osting (t) Single Lane NB At Junction (Y/N) No In Advance (Y/N) Not req. tt Bridge (Y/N) South ditch & under South curb. Inspector Name Inspector Class Assistant Name Assistant Class Inspection Date Data Entry By Data Entry Date Reviewer Name Review Date Dept. Reviewer Name Dept. Review Date Follow-Up By Posting Information Osting (t) Single Semi Semi Lane NB At Junction (Y/N) No In Advance (Y/N) No In Advance (Y/N) No In Eadvance (Y/N) No In Advance (Y/N) No Approach Road Last Now Explanation of Condition Cass Assistant Name Assistant Class Assistant Name Assistant	Name DRYWOOD CREEK, 2.12.22.5.14, WATERCRS-ST Assistant Name Assistant Class BR CLS A Assistant Name Assistant Class Inspection Date 30-Oct-2011 Data Entry By Erin Roberts Data Entry Date 29-Nov-2017 Data Entry Date 29-Nov-2017 Data Entry Date 29-Nov-2017 Review Name Garry Rober Dept. Review Date 12-Nov-2017 Dept. Review Date 12-Nov-2	Inspector Name	Inspector Name		

Bridge Component	Superstructure										
Special Feature											
Special Feature X (Type :) Special Feature X (Type :) X (Type : Standard) X (Type : POST STEEL; POST STE											
Company Comp											
Special Feature											
Company Comp											
Wearing Surface											
N (%)											
Last											
New											
Wearing Surface 5 9 New deck. (Material Type : CONCRETE) (Thickness(mm) : 50) N N Deck Top N N N Deck Rideability 7 8 Deck Joints 5 4 Joints not installed yet Temperature (deg. C) 7 (Expansion Type : GLAND (WABO-MAUER, TRANSFLEX, ETC)) (Fixed Type :) Gap Location 70 W. abut W. pier 75 E. pier 73 E. abut E. abut Deck Drainage 5 8 Drains Clogged (Y/N) No No Curbs/Median 3 9 (Curb Type : Standard) Scaling (Percent Area) Bridge Rail 5 9 (Type : GALVANIZED STEEL BRIDGE TUBE) Bridge Rail Posts 5 9 (Type : POST STEEL; POST STEEL) 5 9											
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(Type : POST STEEL;POST STEEL)											
(Type: GALVANIZED)											
Sidewalk X X											
Girder/Beam 7 7 National la commiddle commidd											
Cover Plate 7 7 Noticeable sag middle span - 30mm.											
Flange 7 7											
Web 7 7											
Stiffeners X X Splice X X											
Weld 6 6											
Diaphragms/Cross Frame 5 Diaphragms are steel angles encased in in concrete. Condelaminated along bottom flange on 20% of end diaphragms cracked @ 3 @ East pier. Diaphragm deflects have been marked for repair by "Generators"	agms.										

			Suners	structure
Bridge Component			<u> </u>	Explanation of Condition
	 Lenaths(m): 15.2-			Number: A0190-01;A0190-02;A0190-03)
Paint Condition		7	7	Rust spots on bottom of girders on ext fascia approx 2% area.
(Colour Description : GREEN)			3
(Colour Code : ;14090)	,			
Touchup Required (Y/N)	No			
Bearings		6	6	
Temperature (deg. C)	7			
(Expansion Type : SLIDING I				At piers
(Fixed Type : PINNED BEAR				At abuts
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside		6	6	Narrow longitudinal and transverse cracks. White stains through
Stains (Percent Area)	5			cracks under gutters.
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Ratin	_	6	6	
Caperstracture Ceneral Natin	9			
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		7	7	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		5	5	
Piles		N	N	
Paint/Coating		X	X	
Abutment Stability		7	7	
Scour/Erosion		7	7	
Piers/Bents				
(Type : PIER-COLUMN)				Medium to wide cracks both caps on sides and bottoms. Scaling on
Bearing Seats/Caps		4	4	ends. Worst is SE & NE Marked for repair.
(Type : CONCRETE)				<u> </u>
(Total Number of Bearing Piles	: 3:3)			
Pier Shaft/Piles		7	7	
Bracing/Struts/Sheathing		X	X	
Nose Plate		Х	Х	
Paint/Coating		Х	Х	Not coated.
(Colour Description :)				Old stains down sides.
(Colour Code :)				
Pier Stability		8	8	
Scour		7	7	Class 2 riprap @ South end of West pier.
Debris (Y/N)	No			
Substructure General Rating		4	4	

		5	re Usage						
		Last		Explanation of Condition					
Channel									
(U/S Direction : S)			Flows against West pier.						
(D/S Direction : N)									
Alignment		5	5						
Bank Stability			5	Vertical banks U/S & D/S.					
HWM (m below Top of Curb)	WM (m below Top of Curb)			No visible HWM					
Drift (Y/N)	No								
Slope Protection	Slope Protection			Class II rock West pier.					
(Type:)			_						
Guidebank/Spurs			X						
Adequacy of Opening			7						
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		5							

Bridge Inspection & Maintenance System (Web 2005)

					Ма	intenance Re	commend	lations					
Inspector Recomm	nendations		Year	Inspecto	or Comments			Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL												
GALVANIZE/PAIN	IT BRIDGE RAIL												
RETROFIT BRIDGE RAIL													
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS													
RESET/ PAINT BI	EARINGS												
REPAINT SUPER	STRUCTURE												
STRAIGHTEN/RE	PLACE MEMBERS												
WASHING													
SHOTCRETE RE	PAIRS												
REPAIR ABUTME	NT SCOUR/EROSIG	NC											
PLACE ADDITION	IAL RIP RAP												
REMOVE DRIFT	ACCUMULATION												
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			55.6/55.6 Sufficiency (%)		Sufficiency I	Rating (Last/N	Now)	56.4/57.4	Est. Repl. Yr	2050	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	Rehab repairs not y	et comp	olete in 20)11				Department Comments					
Maintenance Revi	ewed By							Date		1	Estimated Total	0	
Proposed Long-Te	erm Strategy												
On 3-Year Progra	m (Y/N)												
Proposed Action													
Previous Inspecto	arry Roberts Previou					Assistant's Name							
Next Inspection D		30-Jul-						s Inspection Date 19-Oct-2009					
Inspection Cycle (21						,					
Comment	, ()												