						Е	ridge Ir	nspec	tion						
Bridge File Num	ber	02143 -	1 Bridge					Form Type			PSR				
Year Built/Year		1970/19	70					Lot No.		1					
Supstr									Inspector Name			Garry Roberts			
Bridge or Town	Name							Inspe	Inspector Class			BR CLS A			
Located Over				2.13.33,	WATERC	ERCRS-ST			Assistant Name						
Located On		8:06 C1	16.001						Assistant Class						
Water Body CI./								Inspe	ection	Date		12-Jun-2012			
Navigabil. Cl./Ye								Data	Entry	Ву		Kelsey Roberts			
Legal Land Loca			5 TWP 2		2 W5M			Data	Entry	Date		27-Jun-2012			
Longitude, Latitu	ıde		:27, 51:01						Reviewer Name			Ash Morjaria			
Road Authority			Transport	ation (Al	T)				Review Date			19-Jun-2012			
Contract Main. A		CMA27							Dept. Reviewer Name						
Clear Roadway/Skew 10.7 / 15 deg. (RHF)								Dept. Review Date			29-Jun-2012				
AADT/Year 7,900 / 2011 (A)								Follow-Up By							
Road Classificat			1.8-110												
Detour Length (I		12									1				
Allowable Load	(t): Sin		1 41 RDER				S2 48 RDER					S3 63 RDER		> On Critical Spans> Critical Member	
Design Loading:		HS				, O.	RDER			O.I.	INDEN		> Primary Span		
						Po	sting Ir	nform	ation					, , , , , , , , , , , , , , , , , , , ,	
Required Load F	Posting	ı (t)		Single					Semi			49	Truc	k Train	
Posted Loading	(t)			Single				5	Semi			Truck Train			
Posted:	Lane	EB		At June	tion (Y/N	l)	No	I	n Adv	ance (Y	/N)	No	At Bı	At Bridge (Y/N) No	
Posted:	Lane	WB		At Junc	tion (Y/N	l)	No			ance (Y	/N)			idge (Y/N)	No
Remarks	Not re	equired.													
Hazard Marker	At Brid	ge (Y/N)	Yes												
Remarks															
Other Sign Type	es		Bridge	Ices, No	Parking,	Riv	/er I.D. E	Bump	Sign.						
						Ut	ilities (L	Locate	ed at)						
Utility Attachmen	nts T	ELEPHO	NE UTILI	TIES-PH	ONE LIN	1E									
Telephone	Unde	r South e	xterior gire	der.								n West.			
Power	South	Row an	d crosses	West.					cipal						
Others								Prob	lem (\	//N) N	0				
Remarks															
							Approa								
11						st	Now	1 -		on of Co		tion			
Horizontal Align						5	5	Curves both ends.							
	Vertical Alignment					7	7								
Roadway Width			12.500			_		-							
Approach Bump)					5	6								
Guardrail (Y/N)			Yes			_		-							
Guardrail						5	5	Not t	hriebe	am					
Length (m)	1.01	(5.1)	99.000					-							
Current Stand		N)	No					-							
Termination T	ype		TURNE	D DOW		_									
Drainage						5	6								
Approach Road	d Gene	eral Rati	ng			5	5								

						Supers	tructure
Bridge Com	oonent				Last		Explanation of Condition
(Primary Spa	n : FC, 3 Spa i	ns, Len	gths(n	n): 27.4-27.4-2	27.4, A	-Ident I	Number:)
Special Feat	ures					_	
Special Featu	ıre					7	
(Type : EX 1	LATER POS	ST TENS	S)			_	
Special Featu	ıre					7	
(Type : UN I	DERSLUNG D	DIAPHR	.)				
Wearing Surf	ace/Deck Top	Detail F	Ratings				
	N (%)	1 (%)		2 (%)	3 (%)		
Last	0	()	0		0	
Now	0.0	0.	.0	0.0	(0.0	
Wearing Surf	ace				5	5	Abrasion. Key cracks @ WBL @ West & center spans.
(Material Ty	/pe : CONCRI	ETE)					3m2of center span has medium scaling.
(Thickness	(mm) : 50)						Some 50 to 75mm diameter break outs
Lateral Connection Problem (Y/N)							
Deck Top					N	N	
Deck Rideab	ility				7	6	
Deck Joints					3	4	
Temperatur	re (dea. C)	1	 15				(3 broken welds at A1 and A2 at W/B shoulder)- Not able to confirm.
(Expansion TRANSFLE	•	R PLA	TES;G	LAND (WABO	D-MAU	ER,	Curb cover plates are corroding- typ. all covers.
Gap Size (r			Gap L	ocation			
60	,		East A	butment			
50			East p	ier			
45			West _I				
50			West	abutment			
Deck Drainag	je				5	5	Retro drains @ North gutter.
Drains Clog	ged (Y/N)	1	No				
Curbs/Media	n				5	5	Minor spalls
(Curb Type	: Standard)						
Scaling (Pe		1					
Bridge Rail					7	7	
	DGE TUBE)						Insufficient thread engaged at isolated post A/B nuts
Bridge Rail P	osts				4	4	
	LVANIZED PO	OST ST	EEL;G	ALVANIZED	POST		
Bridge Rail/P	osts Coating				6	6	
(Type:)							1
Sidewalk					Х	Х	
Girder Detail	Ratings						
	N (count)	1 (cou	nt)	2 (count)	3 (cou	unt)	Sp1-G7 has 1m2 spall at deck drain
Last	0	()	0		1	Corrosion stain at SpG7 at previous patch. Center span not visible.
Now	7	()	0		1	
Girders					3	3	Horizontal crack - 500mm from top of girder - typical @ most ends.
Cracking (Y	′/N)	١	⁄es				Typical 0.4 - 0.5mm wide longitudinal cracks 200mm from bottom of girders 1 - 2m long @ abutment #1. Marked & dated @ NW Girder
Spalling (Pe	ercent Area)	1	<u> </u>				#7. Cracking @ underside of girder ends. Appears typical of FC units - in chamfer.
(Number Of 0	Girders : 21)						- in chamter. Wide vertical cracks @ North Ext over both piers
							2.2 of 5

Pridage Component				Supers	tructure			
Disphragmanic/Cross Frame	Bridge Component		Last	Now	Explanation of Condition			
Bearings	(Primary Span : FC, 3 Spans, L	engths(m): 27.4-27.4-2	27.4, A	-Ident N	Number:)			
Temperature (deg. C)	Diaphragms/Cross Frame		5	5				
Expansion Type: REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL (Fixed Type: REINFORCED PAD BEARING) Costing Adequate (Y/N) Yes	Bearings		7	7				
TEFLON AND STAINLESS STEEL Fixed Type : REINFORCED PAD BEARING)		15						
Coating Adequate (Y/N) Yes	(Expansion Type : REINFORGE TEFLON AND STAINLESS S	CED NEOPRENE BEAF STEEL)	RING W	VITH				
Functioning (V/N) Ves	(Fixed Type : REINFORCED	PAD BEARING)						
Deck Underside	Coating Adequate (Y/N)	Yes						
Stains (Percent Area) 0	Functioning (Y/N)	Yes						
Span Alignment Problems	Deck Underside		4	4	Spall @ NW Drain			
Vertical (Y/N)	Stains (Percent Area)	0						
Horizontal (Y/N) No Superstructure General Rating 3 3 3 Substructure	Span Alignment Problems							
Substructure General Rating	Vertical (Y/N)	No						
Substructure	Horizontal (Y/N)	No						
Last Now Explanation of Condition Substitute Su	Superstructure General Ratin	g	3	3				
Seating Seats Caps 7 7 7				Subst	ructure			
Bearing Seats/Caps	Bridge Component		Last	Now	Explanation of Condition			
Type : CONCRETE Backwalls Factor Factor	Abutments							
Backwalls/Breastwalls	Bearing Seats/Caps		7	7				
Piles	(Type : CONCRETE)							
Piles N N Buried Paint/Coating 4 4 Tar coating is stained and wearing thin Abutment Stability 7 7 Scour/Erosion 5 5 Minor erosion at NW from App. road draining Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Total Number of Bearing Piles : 2:2) 7 Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate X X X Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Backwalls/Breastwalls		7	7				
Paint/Coating	Wingwalls		7	7				
Abutment Stability 7 7 Scour/Erosion 5 5 Minor erosion at NW from App. road draining Piers/Bents (Type : PIER-COLUMN) Bearing Seats/Caps 7 7 (Type : CONCRETE) (Total Number of Bearing Piles : 2:2) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X X Nose Plate X X Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Piles		N	N	Buried			
Scour/Erosion 5 5 Minor erosion at NW from App. road draining	Paint/Coating		4	4	Tar coating is stained and wearing thin			
Piers/Bents (Type : PIER-COLUMN) 7 Bearing Seats/Caps 7 7 (Type : CONCRETE) 7 7 (Total Number of Bearing Piles : 2:2) 7 7 Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Abutment Stability		7	7				
(Type : PIER-COLUMN)	Scour/Erosion		5	5	Minor erosion at NW from App. road draining			
Bearing Seats/Caps 7 7	Piers/Bents							
(Type : CONCRETE) (Total Number of Bearing Piles : 2:2) Pier Shaft/Piles 7 Bracing/Struts/Sheathing X Nose Plate X Paint/Coating 6 (Colour Description :) (Colour Code :) Pier Stability 7 Scour 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	(Type : PIER-COLUMN)							
(Total Number of Bearing Piles : 2:2) Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Bearing Seats/Caps		7	7				
Pier Shaft/Piles 7 7 Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 6 5 (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	(Type : CONCRETE)							
Bracing/Struts/Sheathing X X Nose Plate X X Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	(Total Number of Bearing Piles	: 2:2)						
Nose Plate X X Paint/Coating 6 5 (Colour Description:) (Colour Code:) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Pier Shaft/Piles		7	7				
Paint/Coating 6 5 (Colour Description :) (Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Bracing/Struts/Sheathing		X	Х				
(Colour Description :) (Colour Code :) Pier Stability 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Nose Plate		Х	Х				
(Colour Description :) (Colour Code :) Pier Stability 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Paint/Coating		6	5				
(Colour Code :) Pier Stability 7 7 Scour 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier								
Scour 6 6 6 Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier								
Debris (Y/N) Yes Drift @ West pier & minor drift @ East pier	Pier Stability		7	7				
	Scour		6	6				
Substructure General Rating 7 7	Debris (Y/N)	Yes			Drift @ West pier & minor drift @ East pier			
	Substructure General Rating		7	7				

		5	Structu	re Usage				
Channel								
(U/S Direction : N)				Stream flows against the East bank.				
(D/S Direction : S)				@ high water				
Alignment		4	4					
Bank Stability			4	Erosion along East bank 20m North of bridge - rock underneath @ bridge. Unstable banks at river left (U/S at east)				
HWM (m below Top of Curb)	3.0			Water almost to bottom of girders in 1995 flood.				
Drift (Y/N)	Yes							
Slope Protection		3	3	Class 2 riprap.				
(Type : CONCRETE; CONCRI	ETE)			Concrete slope protection voided out and collapsed @ NE				
Guidebank/Spurs			7					
Adequacy of Opening		7	5					
(Fish Compensation Measure 1	NONE)							
(Fish Compensation Measure 2	NONE)							
Channel General Rating		3	3					

02143 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance	Recommendat	tions					
Inspector Recommendations	Year	Inspector Comments	С	Department Comme	nts		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2012	Patch underside Sp.1-G7 - apoxy deck.	/ seal drain at						
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2012	Weld in section and weld down to fingers if not done - check all other							
RESET/ PAINT BEARINGS									
WASHING									
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROSI	ION								
PLACE ADDITIONAL RIP RAP	2012	50m3 Class 2 rock @ NE and re @ NE slope protection 20m3 co	pair concrete						
REMOVE DRIFT ACCUMULATION	2012	@ West pier							
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/5	5.6 Sufficiency Rating (La	st/Now) 45.	5.3/45.3 Es	st. Repl. Yr	2033	Maint. Red	qd. (Y/N)	Yes
Special		•							
Comments for Next Inspection			C	Department Comments					
Comments for Next Inspection			C	Department Comments Date		E	stimated Total	0	
Comments for			C	Comments		E	stimated Total	0	
Maintenance Reviewed By Proposed Long-Term Strategy			C	Comments		E	stimated Total	0	
Comments for Next Inspection Maintenance Reviewed By			C	Comments		E	stimated Total	0	
Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)	Garry Roberts			Comments		E	stimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	<u> </u>		Previous As	Date ssistant's Name	11-Dec-2010	E	stimated Total	0	
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action	Garry Roberts 12-Mar-2014 21		Previous As	Date	11-Dec-2010	E	stimated Total	0	