Bridge Flow Name								:	Bridge Ir	nspec <u>t</u>	ion						
Supetr	Bridge File Number 07979 -1 Bridge									Form Type			PCS				
Bridge or Town Name Coard Over Coard O	Year Built/Yea	r	1960	0/197	1					Lot No	0.						
Located Over	·										Inspector Name			Brian Pientsch			
Assistant Name					ACE RIVER I							Inspector Class					
Mater Body CL/Year Navigabl. CL/Year Nav							9, WAT	ERC	RS-ST	Assist	tant N	Name					
Navigabil CL/Year			684:	:02 C	1 18.223					Assist	tant C	Class					
Legal Land Location SW SEC 4 TWP 83 RGE 22 W5M Data Entry Date 23-Jan-2013										Inspe	ction	Date		14-Dec-2012	2		
Abort Abor												Ву		Theresa Lac	usta		
Review Date Contract Main. Area Contract M							M		Data	Entry	Date		23-Jan-2013	3			
Contract Main. Area CMA04										Revie	wer N	Name		Eric Carcou	Κ		
Dept. Review Name David Morrison ADITYPer 1,860 / 2011 (A) Serview Date ADITYPer 1,860 / 2011 (A) Serview Date Dept. Review Date					ansporta	ation (Al	T)			Revie	w Da	te		08-Jan-2013	3		
AADT/Year			-							Dept.	Revi	ewer N	ame	David Morris	son		
Rod Classification										Dept.	Revi	ew Dat	е	20-Feb-2013	3		
Detour Length (km) 25	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									Follov	v-Up	Ву					
Allowable Load (t): Single CS1 28 GIRDER Semi CS2 49 GIRDER Train CS3 65		-110					_										
Design Loading:							1				1						
Design Loading:							Semi					Train				> On Critic	al Spans lember
Posting Information Semi							1	10.					, J				
Required Loading (t)	g	3						Po	osting Ir	nforma	tion					, , , , , , , , , , , , , , , , , , ,	o p o
Posted Loading (t)	Required Load Posting (t) Single													Truc	k Train		
Posted: Lane	Posted Loadin	g (t)								s	emi				Truck Train		
Posted: Lane SB	Posted:	Lane	NB A				/N)	No	Ir	n Adv	Advance (Y/N)		No			No	
Remarks	Posted:	Lane				No					No A			No			
Content Cont	Remarks	Not re										•	,				
Content Cont	Hazard Marke				Yes												
Utility Attachments TELEPHONE UTILITIES-PHONE LINE Telephone 15m east			9- (-	, ,													
Utility Attachments TELEPHONE UTILITIES-PHONE LINE Telephone 15m east	Other Sign Tyr	oes															
Telephone	J 71							Ut	tilities (L	Locate	d at)						
Power Others Fiber optics west ditch. Problem (Y/N) No	Utility Attachm	ents T	ELEF	PHON	E UTILI	TIES-PH	IONE L	INE									
Others Fiber optics west ditch. Problem (Y/N) No Remarks Approach Road Last Now Explanation of Condition Horizontal Alignment 5 5 5 Approaches SE & NE of bridge steep grade to S & curve to North limits visability. Roadway Width (m) 9.500 Approach Bump 6 6 6 Guardrail (Y/N) Yes Only 3 sections of rail @ SE corner due to approach. Guardrail Length (m) 20.000 Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered	Telephone	15m e	east							Gas		6	60m S	South			
Remarks Approach Road Last Now Explanation of Condition	Power									Munic	cipal						
Approach Road Last Now Explanation of Condition	Others				t ditch.		Proble	em (Y	′/N) No								
Last Now Explanation of Condition	Remarks																
Horizontal Alignment Vertical Alignment 5 5 Vertical Alignment 5 5 Approaches SE & NE of bridge steep grade to S & curve to North limits visability. Roadway Width (m) Approach Bump 6 6 Guardrail (Y/N) Yes Only 3 sections of rail @ SE corner due to approach. Snow covered. Current Standard (Y/N) Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (Iwd) erosion gullies NW corner08-Oct-2009 Snow covered									Approa	ch Roa	ad						
Vertical Alignment 5 5 5 limits visability. Roadway Width (m) 9.500 Approach Bump 6 6 6 Guardrail (Y/N) Yes Only 3 sections of rail @ SE corner due to approach. Snow covered. Length (m) 20.000 Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered								Last	Now	Expla	natio	on of C	ondi	tion			
Roadway Width (m) Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Drainage Approach Bump 6 6 N Snow covered. Snow covered. Snow covered. 5 5 5 5 5 5 5 6 7 6 7 6 8 7 7 8 8 8 8 8 8 8 8 8 8	Horizontal Alignment					5	5							e to North			
Approach Bump 6 6 Guardrail (Y/N) Yes Cuardrail (SE corner due to approach. Guardrail (Show covered. Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (Iwd) erosion gullies NW corner08-Oct-2009 Snow covered	Vertical Alignment					5	5	limits	visab	ollity.							
Approach Bump 6 6 Guardrail (Y/N) Yes Cuardrail (SE corner due to approach. Guardrail (Show covered. Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (Iwd) erosion gullies NW corner08-Oct-2009 Snow covered																	
Approach Bump 6 6 Guardrail (Y/N) Yes Cuardrail (SE corner due to approach. Guardrail (Show covered. Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (Iwd) erosion gullies NW corner08-Oct-2009 Snow covered																	
Approach Bump 6 6 Guardrail (Y/N) Yes Cuardrail (Y/N) Yes Current Standard (Y/N) No Termination Type TURN DOWN Drainage 6 N Conly 3 sections of rail @ SE corner due to approach. Snow covered. Snow covered. 5 N Snow covered. 5 N Snow covered. 5 N Snow covered. Snow covered. Snow covered.	Roadway Widt	th (m)			9.500												
Guardrail (Y/N) Yes Only 3 sections of rail @ SE corner due to approach. Guardrail 6 N Length (m) 20.000 Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered					, , , , , , , , , , , , , , , , , , , ,		6 6										
Guardrail Length (m) Current Standard (Y/N) Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (Iwd) erosion gullies NW corner08-Oct-2009 Snow covered		•			Yes					Only 3 sections of rail @ SE corner due to approach.							
Length (m) 20.000 Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered					. 55			6 N									
Current Standard (Y/N) No Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered					20.000					Silow	COVE	acu.					
Termination Type TURN DOWN Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered		dard (Y/	N)														
Drainage 4 N 5x0.3x0.3m (lwd) erosion gullies NW corner08-Oct-2009 Snow covered					TURN [OOWN											
Snow covered								4	N	5x0.3	x0.3n	n (lwd)	erosi	on gullies NV	V corn	er08-Oct-20	09
	J													Č			
Approach Nead General Nathing	Approach Po	ad Gona	ral P	atina				5	F.	SHOW	cove	i C u					
	дрргоасп Ко	au Gene	iai N	aung				J	3								

					9	Supers	structure				
Bridge Comp	onent						Explanation of Condition				
	n : HC, 3 Spa	ns, Le	ngths(n	n): 6.1-6.1-6.1			· •				
Special Feat		,			,						
Special Featu						Х					
(Type :)							1				
Special Featu	ıre					Х					
(Type:)	•										
Wearing Surfa	ace/Deck Ton	Detail	Ratings								
Wearing Carre	N (%)	1 (%)		2 (%)	3 (%)		Ice covered				
Last	(/0)	. (70)	<u> </u>	_ (/0)	(/0)						
Now	100.0										
Wearing Surf					5	N	Thickness 100				
(Material Ty							Longitudinal cracks in asphalt along piers - all 3 spans08-oct-2009				
(Thickness)							_				
Lateral Connection Problem No (Y/N)							_				
Deck Top					N	N					
Deck Rideability						7					
Deck Joints					N	N	Covered by acp Cannot view.				
Bump (Y/N) No											
Deck Drainage						6					
Drains Clogged (Y/N) No											
Curbs/Median					6	N	Snow covered				
					0	IN	Show covered				
	: Standard)		3				_				
Scaling (Percent Area) 3 Bridge Rail							0				
(Type : GALVANIZED STEEL FLEX BEAM)					6	N	Snow covered				
		IEELI	-LEX BI	EAM)			Missing bolt NW corner08-Oct-2009				
Bridge Rail P	osts L <mark>VANIZED P</mark> (OST S	TEEL;G	ALVANIZED	3 POST	N					
ŠŤĖEL)					T _						
Bridge Rail/P					7	N					
(Type : GALVANIZED)						1					
Sidewalk					X	Х					
Girder Detail	Ratings										
	N (count)	1 (co	unt)	2 (count)	3 (cou	ınt)					
Last	0		0 0			3					
Now						2					
Girders					3	3	WC AZ 2 legs unsound concrete, SP3G1,11,12 SP2G1, SP1G1,G2				
Last Complet	e Inspection D	Date	14-Dec	-2012			- photo				
Cracking (Y	/N)		Yes				WC AZ 1 leg SP3G2,3 4,5,6,8,9 SP2G1,4,6,7,8,12,				
Spalling (Pe	ercent Area)		4				SP1G4,5,8,9,11,12				
Lift or Connec Grouted (Y/N											
(Number Of C	Girders : 36)										
Span Alignm	ent Problem	s									
Vertical (Y/I	N)		No								
Horizontal (Y/N)		No								
Superstructu	ure General R	Rating			3	3					

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments											
(Extended	Backwall Piles	s (Y/N) : N)									
(Extended	Backwall Piles	s Spacing(mn	n):)								
	er of Caps/Co										
Bearing Seat	s/Caps/Corbe		<u> </u>	T.,							
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Heavy scaling rust - loss of section					
Last											
Now	(0 (0)					_					
	s/Caps/Corbe	els		5	4						
(Type : STI	•										
(Depth(mm											
(Width(mm											
Backwalls/Br	eastwalls			4	4	Top planks pushed in due to capitals 20mm gap & loosing fill.					
Greatest H	eight (m)	3.10									
Wingwalls				4	N	Heavy scaling rust - loss of section. Top planks pushed in due to capitals 20mm gap & loosing fill. NE wingwall top board broken causing road to erode08-Oct-2009 Abut 1, Pile 9, H-Beam missing planking SE corner. Cap & abutment rolling back 5 degree. All abutment piles have capitals. Cored 2008 Pile 4 abut. 2 vert crack (10mm) Abut 1 rotating in due to high backwall pressure. NE abut. scouring out & losing rock. Heavy scaling rust-loss of section. 2 leaning piles @ pier 1 (piled 1&7) All pier piles have capitals.					
(Total Number	er of Bearing I	Piles : 10:10)				Abut 1, Pile 9, H-Beam					
Piles Detail F	Ratings					missing planking SE corner. Cap & abutment rolling back 5 degree.					
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last											
Now											
Piles				5	5						
Paint/Coating					X						
Abutment Sta	ability			5	4	Abut 1 rotating in due to high backwall pressure.					
Scour/Erosion					4	NE abut. scouring out & losing rock.					
Piers/Bents											
(Type : PIE	R-COLUMN)										
(Total Number	er of Caps/Co	rbels : 1:1)									
Bearing Seat	s/Caps/Corbe	els Detail Ratir	ngs								
	N (count)	1 (count)	2 (count)	3 (cou	unt)						
Last						Heavy scaling rust-loss of section.					
Now											
Bearing Seat	s/Caps/Corbe	els		5	4						
(Type : STI	EEL)					∠ leaning piles @ pier 1 (piled 1&/)					
(Depth(mm): 350)										
(Width(mm											
(Total Number	er of Bearing I	Piles : 10:10)				All pier piles have capitals.					
Piles Detail F		,				Cored 2008					
	N (count)	1 (count)	2 (count)	3 (cou	unt)	Pier 1, Pile 10, Pier 2 pile 7,8.9.10 H-Beam.					
Last	0	0	0		1	Pile 8, pier 2 30mm split (not banded)					
Now					1	Pier 1 pile 6 rotten & split at base.					
Pier Shaft/Pil	es			3	3	Pier 1 out of plumb. Pier piles out of plumb.					
Greatest H		4.50			-	- 1 for price out of plainly.					
Bracing/Strut				5	5						
Nose Plate				5	5						
Paint/Coating	3			4	3	Loss of section due to rust on steel piles-not painted.					
(Colour De						1					
(Colour Co						1					
(00.001 00	uo . ,										

			Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Pier Stability		5	4	Pier 1 out of plumb approx. 150mm.				
Scour		5	5					
Debris (Y/N)	Yes			A few 200mm dia. logs on pier1.				
Substructure General Rating		3	3					
		5	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel								
(U/S Direction : N)								
(D/S Direction : S)								
Alignment		5	5					
Bank Stability			3	Steep eroding channel banks.				
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	Yes							
Slope Protection	·	4	4	Abutment eroding & loosing rock NE corner. (3m x 3m x 0.5m)				
(Type:)								
Guidebank/Spurs			Х					
Adequacy of Opening		7	7					
(Fish Compensation Measure 1	: NONE)							
(Fish Compensation Measure 2	: NONE)							
Channel General Rating		4	3					

07979 -1 Bridge

						Maintenance	Recommen	dations						
Inspector Recommendations			'ear	Inspecto	or Comment	ts		Department Co	ommen	Target Year	Est. Cost	Cat #		
REPAIR/REPLAC	E BRIDGE RAIL													
SEAL CURBS														
PATCH DECK														
OVERLAY DECK														
STRAIGHTEN/RE	PLACE MEMBERS													
WASHING														
SHOTCRETE REPAIRS														
CORE TIMBER CAPS/CORBELS														
REPAIR/REPLACE TIMBER CAPS														
REPAIR ABUTME	ENT SCOUR/EROSIG	NC												
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
INSTALL STRUTS														
OTHER ACTION			013	Replace	bridge.									
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			33.3/33.3 Sufficiency Rat			cy Rating (Las	st/Now)	47.5/44.8	Es	t. Repl. Yr	2013	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor erosion on sideslo Monitor cracking in girders Monitor channel scour/eros								Department Comments	·					
Maintenance Rev	iewed By							Date				Estimated Total	0	
Proposed Long-T	·										,			
On 3-Year Program (Y/N)														
Proposed Action														
Proposed Action Previous Inspecto	or's Name	Kris Bost	ters				Previous	Assistant's Name	e					
		Kris Bost						Assistant's Name	e	08-Oct-2009				
Previous Inspecto	ate								e	08-Oct-2009				

Bridge Inspection & Maintenance System (Web 2005)