							Bridge In	spec	ction						
Bridge File Number 73274 -1 Bridge											PSR				
Year Built/Year	ear Built/Year 1978/1978							Lot No.			2				
Supstr								Inspector Name			Shane Hall				
Bridge or Town Name   COALSPUR							Inspector Class			BR CLS A					
Located Over EMBARRAS RIVER, 8.11.107.33 WATERCRS-ST					8,		Assistant Name								
Located On 47:06 C1 1.943								Assistant Class							
Water Body Cl./Y	ear							Inspection Date			16-Oct-2012				
Navigabil. Cl./Year						Data Entry By Theresa Lacusta									
Legal Land Location NW SEC 34 TWP 48 RGE 21 W5				5M		Data Entry Date 14-Nov-2012									
Longitude, Latitud	de	-116:59:4	0, 53:11:	26				Reviewer Name Eric Carcoux							
Road Authority		Alberta T	ransporta	ation (Al	Τ)			Rev	iew Da	ate		12-Nov-2012	2		
Contract Main. Ar	rea	CMA13										Brent Herric	k		
Clear Roadway/S	kew	10.7 / 25	deg. (RH	IF)						ew Date	)	20-Nov-2012	2		
AADT/Year		1,020 / 20	011 (A)					Follo	ow-Up	Ву					
Road Classification	on	RAU-213	.4-120												
Detour Length (kr	m)	126													
Allowable Load (t)		gle CS1	28		Semi	С	S2 49			Train	cs	3 62		> On Critical Spans > Critical Member	
Design Loading:		MS2	3											> Primary	Span
						Р	osting In	nform	nation						
Required Load Po	osting	(t)		Single	Single				Semi				Truck Train		
Posted Loading (t	t)			Single				Semi			Truck Train				
Posted: L	Lane	NB At Junction (Y			tion (Y	Y/N) No		In Advance (Y/N)		No	At Bridge (Y/N)		No		
Posted: L	Lane	SB At Junction (\			tion (Y	/N)	No	In Advance (Y/N)		No	At Bridge (Y/N)		No		
Remarks CS3 is below legal limit.															
Hazard Marker At Bridge (Y/N) Yes															
Remarks At varying heights, do				ıts, do ı	not r	neet stan	dard								
Other Sign Types "Embarras River" ID s				r" ID si	gn.										
						U	tilities (L	ocat	ed at)						
Utility Attachment															
	East r/							Gas							
		ng 80m S						Municipal							
		nals & co						Problem (Y/N) No							
Remarks	RR sig	nal, prop	ane tank,	commu	nicatio	n tov				kment, S	Soutl	h of bridge.			
						Last	Approac			on of Co	ndi	lion			
Horizontal Alignm	nent					<b>5</b>	<b>Now</b> 5	Explanation of Condition  Sharp curve at North end, poor sight line. No passing.							
Vertical Alignmen						7	7	5114	. p our	. J at 1401	0	, poor orgin	10.	o pasonig.	
Roadway Width (			12.400			,									
Approach Bump	,					5	5	1							
Guardrail (Y/N) Yes						Not thrie beam transition.									
Guardrail (Y/N) Yes				4	4		Damaged post @ NE turndownphoto								
Length (m) 26.200						1									
Current Standard (Y/N) No						1									
Termination Type Turned Down							1								
Drainage						5	5		Drainage blocked by snow/ice buildup along both sides09-Nov- 2010						
Approach Road	Gene	ral Rating	3			5	5								

						····	Anna Anna				
Dridge Com						<u> </u>	tructure				
Bridge Comp				-\- 04 A I-I	Last		Explanation of Condition				
	n : <b>FM, 1 Spa</b> r	is, Lengi	ins(n	n): 34, A-Ider	t Numr	oer: )					
Special Feat							05				
Special Featu		T TENO			7	7	25mm epoxy strand @ nom. 600mm o/c.				
	LATER POS	I IENS)					Lindordung hooms				
Special Featu					7 7		Underslung beams.				
	DERSLUNG D										
Wearing Surf	ace/Deck Top		tings		- 4						
	N (%)	1 (%)		2 (%)	3 (%)						
Last	0	0		0		0					
Now											
Wearing Surf					6	5	Grout key cracks routered and filled with epoxy sealant. Previous to lateral stressing.				
	ype : CONCRE	TE)					(Tyne finish worn down03-Feb-2009)				
(Thickness)	` , , ,						Chipseal over concrete 5% chipseal worn off at CL and at joints.				
Lateral Conn (Y/N)	ection Problem	n No	·				on on pocar worn on at or and at jointo.				
Deck Top					N	N					
Deck Rideabi	ility				7	8					
Deck Joints					5	4	South joint appears to be leaking based on ponding water on cap at				
Temperature (deg. C) 0							bearing #4photo				
(Expansion	Type : ARMO	URED G	LANI	D (WABO UN	DER FI	NGER					
	G PLATES))					`					
	e : GLAND (W				X, ETC)	)					
Gap Size (r	mm)			ocation							
85 S. abut (A1) - armou							_				
N. abut (A2) - gland				it (A2) - gland			_				
							_				
							_				
							_				
Deck Drainage					6	5	No deck drains				
Drains Clog		No	•			1					
Curbs/Mediar					4 4		Delaminations and rust staining at NW approach. Other approach curbs have grader scrapes.				
	: Standard)						Spall @ outside face at NW cornerphoto				
Scaling (Pe	ercent Area)	30									
Bridge Rail					7	7	Insufficient threads on one post at SE and one at SW corners.				
(Type : GA	LVANIZED ST	EEL BRI	DGE	TUBE)							
Bridge Rail P					4	4					
(Type : GA	LVANIZED PC	ST STEE	EL)								
Bridge Rail/P	osts Coating				6	5					
(Type : GA	LVANIZED)										
Sidewalk					X	X					
Girder Detail	Ratings										
	N (count)	1 (count)	)	2 (count)	3 (cou	ınt)					
Last	0	0		0	,	1					
Now						1					
Girders					3	3	Typical diagonal hairline cracks @ chamfer line and end blocks.				
Cracking (Y	//N)	Ye	S								
	Spalling (Percent Area) 0						400mm long spall with exposed rebar at S. end of G1photo				
(Number Of C		U									
Tradition Of C	Jii (1013 . 1)										

73274 -1 Bridge

			Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span : FM, 1 Spans, Lo	engths(m): 34, A-Ident	t Numl	ber: )	
Diaphragms/Cross Frame		6	6	
Bearings		6	6	Scale rust & salt stains on South abutment masonry plates.
Temperature (deg. C)	-10			
(Expansion Type : REINFORC TEFLON AND STAINLESS ST	ED NEOPRENE BEAR ΓΕΕL)	RING W	/ITH	
(Fixed Type : REINFORCED F	AD BEARING)			
Coating Adequate (Y/N)	No			
Functioning (Y/N)	Yes			
Deck Underside		7	5	Typical rust staining at girder construction joints-most girdersphoto
Stains (Percent Area)	1			
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating	ļ	3	3	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		7	7	
Wingwalls		4	7	
Piles		N	N	
Paint/Coating		Х	5	Top of abutment seats sealed.
Abutment Stability		7	7	
Scour/Erosion		5	4	North abutment headslope settled 100-150mm for full length exposing bearing piles.
Piers/Bents				
(Type:)				
Bearing Seats/Caps		Х	X	-
(Type:)				
(Total Number of Bearing Piles :	)			
Pier Shaft/Piles	,	X	X	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		Х	Х	
Paint/Coating		X	X	
(Colour Description : )				
(Colour Code : )				
Pier Stability		X	X	
Scour		Х	Х	
Debris (Y/N)	No			
Substructure General Rating		6	6	

		5	Structu	re Usage				
		Last		Explanation of Condition				
Channel								
(U/S Direction : N)			CNR bridge 40m East, D/S.					
(D/S Direction : S)								
Alignment		7	7					
Bank Stability			7					
HWM (m below Top of Curb)				HWM not visible.				
Drift (Y/N)	No							
Slope Protection			7	Bedrock south side. Class II-III north side only. Old concrete				
(Type : CONCRETE; RIP RAP	)			abutment in place on South side used as retaining wall.				
Guidebank/Spurs			X					
Adequacy of Opening			7					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		6	7					

73274 -1 Bridge

				Maintenance F	Recommend	dations					
Inspector Recommendations	\	Year	Inspecto	r Comments		Department Cor	nments		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	2	2013	Confirm necessar	if South joint leaking and ry.	repair as						
RESET/ PAINT BEARINGS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSIG	NC										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION	2	2013	Replace	1 broken GR post.							
OTHER ACTION	2	2013	Repair o	curb spall at NW corner - 0 delamed area at NW app	Consider roach.						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 5	50.0/50.0	0	Sufficiency Rating (Las (%)	t/Now)	47.0/48.5	Est. Repl. Yr	2043	Maint. Re	qd. (Y/N)	Yes
Special Monitor girder spall Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Wayne (	Cappella	ani		Previous	Assistant's Name	Brent Herrick				
Next Inspection Date 16-Jul-2014 Previous					Previous	Inspection Date	04-Oct-2012				
				Pag	ge 5 of 6						

Alberta Transportation Bridge Inspection & Maintenance System (Web 2005)

73274 -1 Bridge

Inspection Cycle (Default) (months)	21
Comment	