Bridge Illia Number 01704 - 1 Bridge Form Type PCS								=	Bridge Ir	nspec	ction						
Inspector Name	Bridge File Num	ber	o1704 -1 Bridge						Forn	Form Type PCS							
Bridge or Town Name			1960/	/1960)					Lot I	No.			1			
Located Over			TDO	<u> </u>						Insp	ector N	Name		Dave Lam			
Located On 585:02 C1 5.129		Name			INIT ODE	-FIX 2.50) \A/A T	- EDC	DDC CT	Insp	ector C	Class		BR CLS A			
Water Body CL/Year Navigabil. CL/Year Navigabil. CL/Year Lagal Land Location SW SEC 14 TWP 33 RGE 23 W4M Data Entry By Marcia Chavez Data Entry By Data Entry Data						EK, 3.50	J, WAI	EKC	JKS-51	Assistant Name							
Navigabil. CL/Year Legat Land Location SW SEC 14 TWP 33 RGE 23 W4M Data Entry By		V	585:0	12 C1	5.129					Assistant Class							
Legal Land Location SW SEC 14 TWP 33 RGE 23 W4M Data Entity Date 15-Aug-2011																	
Longitude, Latitude			CVA/ C	·	1.4. T.M.D.	22 DOE	22 14/4	N 4		Data	a Entry	Ву		Marcia Chav	/ez		
Review Name							23 774	·IVI		Data	a Entry	Date		15-Aug-201	1		
Contract Main. Area CMA20 Clear Roadway/Skew 8.2 / -15 deg. (LHF) Clear Roadway/Skew Sarpha Sarpha Clear Roadway/Skew Sarpha S		lue								Revi	iewer N	Name		John O'Brie	n		
Clear Roadway/Skew 8.2 / -15 deg. (LHF) Dept. Review Pate 30 - Aug-2011		\roo			ansporta	ation (AH)			Revi	iew Da	te		27-Jul-2011			
AADT/Year Road Classification RCU-208+110 Belight New Date SO-Augy-2011			_			=1				Dep	t. Revi	ewer N	ame	Chris Black			
Road Classification Detour Length (km) 6)							30-Aug-201	1				
Detour Length (km) 6 Allowable Load (t); Single GIRDER Semi CS2 52 GIRDER Train CS3 74 > On Critical Spans CS2 52 CIRDER Semi CS2 54 CIR										Follow-Up By							
Allowable Load (t): Single CS1 28 GIRDER Semi GRDER GIRDER																	
Design Loading:		Allowable Load (t): Single CS1 29					Semi					Train	CS	3 74 RDER		> On Critical Spans	
Posting Information	Design Loading:																
Posted Loading (t) Posted: Lane EB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No At Bridge (Y/N) No Remarks Not required. Hazard Marker At Bridge (Y/N) No Remarks Other Sign Types Utilities (Located at) Utility Attachments Telephone South ditch. Power 3 wire O/H - N fence line. Others Last Now Remarks 2 conduits fastened to S curb. Approach Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Corest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment Roadway Width (m) Approach Bump 5 6 Both approaches repaved since 2005 inspection. Minor bumps both ends. Numerous dents & bends but functioning. Numerous							Po	osting Ir	nform	ation					J	<u>'</u>	
Posted: Lane EB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Remarks Not required. Hazard Marker At Bridge (Y/N) No Not required. Other Sign Types Utilities (Located at)	Required Load F	Required Load Posting (t) Single									Semi			Truck Train			
Posted: Lane WB At Junction (Y/N) No In Advance (Y/N) No At Bridge (Y/N) No Remarks Not required. Hazard Marker At Bridge (Y/N) No Remarks Not required. Other Sign Types Utilities (Located at)	Posted Loading	Posted Loading (t)			Single						Semi			Truck Train			
Remarks Not required. Hazard Marker At Bridge (Y/N) No Remarks Not required. Other Sign Types Utilities (Located at) Utility Attachments Telephone South ditch. Power 3 wire O/H - N fence line. Others Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Guardrail (Y/N) No Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5 Drainage 5 5 5	Posted:	Lane	EB			At Junction (Y/N)		No		In Adv	vance (Y/N)		No	At Bridge (Y/N) No		No	
Hazard Marker At Bridge (Y/N) No Remarks Not required. Other Sign Types Utilities (Located at) Utility Attachments Pewer South ditch. Power 3 wire O/H - N fence line. Others Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 9 Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Guardrail (Y/N) No Termination Type Turned Down ENDS Drainage 5 5 5 Drainage 5 5 5	Posted:	Lane	W	WB At Junction (Y/N			/N)	No	In Advance (Y/N)		No	At Bridge (Y/N) No		No			
Command	Remarks	Not re	quired	d													
Utility Attachments Telephone South ditch. Power 3 wire O/H - N fence line. Others Remarks 2 conduits fastened to S curb. Approach Road Horizontal Alignment 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5	Hazard Marker	At Brido	ge (Y/N	N)	No												
Utility Attachments Telephone South ditch. Power 3 wire O/H - N fence line. Others Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5 Turner our dent seed at the condition of Condition Municipal	Remarks Not required.																
Utility Attachments Telephone South ditch. Power 3 wire O/H - N fence line. Others Problem (Y/N) No Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5	Other Sign Types																
Telephone South ditch. Power 3 wire O/H - N fence line. Others Problem (Y/N) No Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5								Ut	tilities (L	ocat	ed at)						
Power 3 wire O/H - N fence line. Others Problem (Y/N) No Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Both approaches repaved since 2005 inspection. Guardrail (Y/N) Yes Minor bumps both ends. Numerous dents & bends but functioning. N																	
Others Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment Roadway Width (m) Approach Bump Solution Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Problem (Y/N) No Explanation of Condition Crest curve in both directions approx 3/4 mile - good sight distance. Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo). Drainage 5 5 Drainage 5 5 5																	
Remarks 2 conduits fastened to S curb. Approach Road Last Now Explanation of Condition Horizontal Alignment 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. Vertical Alignment 8 8 8 Roadway Width (m) 8.200 Approach Bump 5 6 Guardrail (Y/N) Yes Guardrail (Y/N) Yes Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 5		3 wire	O/H - N fence line.							•							
Approach Road Last Now Explanation of Condition										Prob	olem (Y	//N) 1	No				
Last Now Explanation of Condition	Remarks	2 cond	duits fa	aster	ned to S	curb.											
Horizontal Alignment Vertical Alignment Roadway Width (m) Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Horizontal Alignment 9 9 Crest curve in both directions approx 3/4 mile - good sight distance. 8 8 Both approaches repaved since 2005 inspection. Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo). Drainage 5 5 5								act									
Vertical Alignment Roadway Width (m) Approach Bump 5 6 Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Drainage 8 8 8 8 Both approaches repaved since 2005 inspection. Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo).	Horizontal Align	ment								-							
Roadway Width (m) Approach Bump 5 6 Guardrail (Y/N) Yes Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo). Drainage 5 5										Crest curve in both directions approx 5/4 fillie - good signit distance.							
Approach Bump Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type Drainage Both approaches repaved since 2005 inspection. Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo).					8.200				, ,								
Guardrail (Y/N) Guardrail Length (m) Current Standard (Y/N) Termination Type TURNED DOWN ENDS Minor bumps both ends. Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo).					3.230			5	6	Both	appro	aches	repav	ed since 200)5 insp	ection.	
Guardrail 5 5 Length (m) 30.000 Current Standard (Y/N) No Termination Type TURNED DOWN ENDS Drainage 5 5 Numerous dents & bends but functioning. NW & SW - 38.0m NE & SE - 30.4m. Insufficient posts/spacing (photo).					Yes					Mino	or bum	ps both	n end:	S.			
Length (m) 30.000 NE & SE - 30.4m. Current Standard (Y/N) No Insufficient posts/spacing (photo). Termination Type TURNED DOWN ENDS Drainage 5 5	`							5	5	Num	nerous	dents a	& ber	ds but function	oning.		
Current Standard (Y/N) Termination Type TURNED DOWN ENDS Drainage Insufficient posts/spacing (photo).					30.000												
Termination Type TURNED DOWN ENDS 5 5		ard (Y/	N)														
Drainage 5 5			,			D DOWN	١										
Approach Road General Rating 8 8	Drainage							5	5								
	Approach Road	d Gene	ral Ra	ating				8	8								

					Supers	structure		
Bridge Com	ponent			Last	Now	Explanation of Condition		
	an : PGO, 3 S p	ans, Lengths	s(m): 8.5-8.5-8	5.5, A-Ic		•		
Special Feat			` /					
Special Feat					Х			
(Type:)								
Special Feat	ure				X			
(Type:)								
	face/Deck Top	Detail Rating	 S					
	N (%)	1 (%)	(%) 2 (%) 3 (%) Type PGO so std reinforced concrete overlay expected bel					
Last	(***)	(11)				AĆP.		
Now	0.0	0.0	0.0	5	5.0			
Wearing Sur	face	•		6	3	Cracks at piers & approaches have been tar filled. Needs to be		
	ype : ACP)					redone.		
(Thickness						ACP delam along curb (photo) at S side. Potholes developing in S1 (photo).		
	ection Probler	m No						
(Y/N)								
Deck Top				N	N			
_								
Deck Rideab	oility			6	5			
Deck Joints				Х	X	Wide trans. cracks in ACP above the piers.		
Bump (Y/N	<u> </u>	No				wide traits. Clacks in ACT above the piets.		
		INO		7	3	Dock applied ground drain at S side (photo)		
Deck Draina		Na		/	<u> </u>	Deck spalled around drain at S side (photo).		
Drains Clo		No						
Curbs/Media				3	3	Curb is cracked/spalled under a number of posts - some previously patched (poorly).		
	e : Standard)	0				S1 face čracked.		
	ercent Area)	2						
Bridge Rail		W DEA	• • • • • • • • • • • • • • • • • • • •	6	6	Single layer with splice between posts.		
(Type : GALVANIZED STEEL W-BEAM) Bridge Pail Posts					Nut missing N side 2nd post from E. Numerous A/B sheared but tack welded to stud.			
Bridge Rail Posts (Type: GALVANIZED POST STEEL;GALVANIZED I			3	3	Curb cracked at 3rd post from A2.			
STEEL)	LVANIZED P	USI SIEEL;C	BALVANIZED	PO51				
Bridge Rail/F	Posts Coating			5	3			
(Type : GA	LVANIZED)							
Sidewalk	·			Х	X			
Girder Detail								
	N (count)	1 (count)	2 (count)	3 (cou	ınt)			
Last	0	0	0		2			
Now	0	0	0		0			
Girders				3	4	Center span not accessible. S3G1-spalled in one leg extending into AZ-photo.		
	te Inspection [Date 11-Jul-	2011			S3G2-medium crack in one leg in AZ. S3G10-wide crack in one leg		
Cracking (Y/N) Yes						fill length. S1G7 & G8-short med crack in both legs outside AZ.		
Spalling (P	ercent Area)	5				S1G9-small spall in AZ one leg. S1G10-wide crack in both legs full		
Lift or Conne Grouted (Y/N		Yes				length (photo). Rating revised based on latest BIM manual & girder type.		
(Number Of	Girders : 30)							
Span Alignn	nent Problem	s						
Vertical (Y	/N)	No						
Horizontal	(Y/N)	No						
Superstruct	ure General F	Rating		3	4			

					Subst	tructure					
Bridge Com	nponent			Last	Now	Explanation of Condition					
Abutments											
(Extended	Backwall Piles	s (Y/N) : Y)									
(Extended	Backwall Piles	Spacing(mm	n) : 1500)								
(Total Numb	er of Caps/Cor	rbels : 3:3)				New caps.					
(Total Number of Caps/Corbels : 3:3) Bearing Seats/Caps/Corbels Detail Ratings N (count) 1 (count) 2 (count)						1					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last		1									
Now	0	0	0		0						
Bearing Sea	its/Caps/Corbe	ls		3	9						
	EATED TIMBI										
(Depth(mr											
(Width(mn											
Backwalls/B				6	3	Gap btwn sheathing at A2 N end (photo), losing fill.					
Greatest F		2.00				Cup between cricating at 712 14 ond (prioto), looning init.					
Wingwalls	leight (III)	2.00		5	5	1 pile wingwall.					
vviilgwalis				3	3	i pile willywall.					
(Total Numb	er of Bearing F	Piles : 7:7)									
Piles Detail I											
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last											
Now	0	0	0		0						
Piles				5	5						
Paint/Coatin	ıg			Х	Х						
Abutment St	tability			7	4	Gap btwn sheathing at A2 N end (photo), losing fill.					
Scour/Erosio				7	7						
3COUI/L103K	JII			′	_ ′						
Piers/Bents	i										
(Type : PII	ER-COLUMN)										
(Total Numb	er of Caps/Cor	rbels : 1:1)									
	its/Caps/Corbe		ngs								
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last											
Now	0	0	0		0						
Bearing Sea	its/Caps/Corbe	ls		6	6						
(Type : ST	·										
(Depth(mr											
(Width(mn											
	er of Bearing F	Piles : 7:7)				(E pier pile 5 collar not fully grouted.					
Piles Detail		,				Top of pile splintered. 16Mar2005). Only top section visible; rest of pile is sheathed.					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Orny top section visible, rest of pile is sheathed.					
Last											
Now	0	0	0		0						
Pier Shaft/P	iles			5	5						
Greatest F		3.10									
	its/Sheathing			5	5						
Nose Plate				6	6	Rusting.					
Paint/Coatin	ıa			X	4	Steel caps have surface rust.					
	escription :)				T	and the series of the series o					
(Colour Co											
				7	7						
Pier Stability					ı 1						

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Scour		N	N	Under water.
Debris (Y/N)	Yes			Old piles under S1.
Substructure General Rating		3	4	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction: N)				
(D/S Direction : S)				
Alignment			7	
Bank Stability		7	7	No erosion.
HWM (m below Top of Curb)				HWM not visible.
Drift (Y/N)	No			
Slope Protection		7	7	Rock on lower part of both hslps.
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs		X	Х	
Adequacy of Opening		7	7	
(Fish Compensation Measure 1				
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		7	7	

			Maintenance Recommendations	ndations					
Inspector Recommendations	Year	Inspector	Inspector Comments	Department Comments	nments	ř	Target Year	Est. Cost	Cat#
REPAIR/REPLACE BRIDGE RAIL	2011	Replace a	Replace anchor bolt nut 2nd post from A2.						
SEAL CURBS	2011	Patch curl	Patch curb at post anchor.						
PATCH DECK	2011	Patch pot	Patch potholes in S1 ACP.						
OVERLAY DECK	2015	At next H	At next HWY overlay.						
STRAIGHTEN/REPLACE MEMBERS									
WASHING	2011								
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSION	NOI								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION	2011	Install sheathing to	sathing to fill gap at AZ N end.						
OTHER ACTION	2011	Replace c	Replace curb units at next major rehab.						
OTHER ACTION	2011	Assess gi	Assess girder condition to determine if bad girders should be patched or replaced.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/Now)	low) 33.3/44.4		Sufficiency Rating (Last/Now) (%)	61.7/64.6	Est. Repl. Yr	2020	Maint. Reqd. (Y/N)		Yes
Special Monitor cracks in gi Comments for No action required for No action required for the No action required for the North Inspection curb units.	irders. for cracked girde	ers at this tir	Monitor cracks in girders. No action required for cracked girders at this time as the worst rated girders are the curb units.	Department Comments					
Maintenance Reviewed By				Date		Esti	Estimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previou	Previous Assistant's Name					
Next Inspection Date	14-Oct-2014		Previou	Previous Inspection Date	16-Mar-2005				
Inspection Cycle (Default) (months)	39								
Comment									

			Maintenance Re	commend	lations					
Inspector Recommendations	Year	Inspecto	or Comments		Department C	comments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2011	Replace	anchor bolt nut 2nd post fro	om A2.	Programmed			2012		
SEAL CURBS	2011	Patch cu	urb at post anchor.		Programmed			2012		
PATCH DECK	2011	Patch po	otholes in S1 ACP.		Programmed			2012		
OVERLAY DECK	2015	At next HWY overlay.			At next highwa	ay overlay job				
STRAIGHTEN/REPLACE MEMBERS										
WASHING	2011									
SHOTCRETE REPAIRS										
CORE TIMBER CAPS/CORBELS										
REPAIR/REPLACE TIMBER CAPS										
REPAIR ABUTMENT SCOUR/EROS	ION									
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL STRUTS										
OTHER ACTION	2011	Install sh	neathing to fill gap at AZ N e	end.	Programmed					
OTHER ACTION	2011	Replace curb units at next major rehab.			At next rehab					
OTHER ACTION	2011	Assess girder condition to determine if bagirders should be patched or replaced.			Defer					
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 33.3/4	4.4	Sufficiency Rating (Last/	Now)	61.7/64.6	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor cracks in gi No action required the curb units.	girders. for cracked girders at this time as the worst rated girders are			Department Comments	Tentatively program	med to be	e replaced in 2	022. AS		
Maintenance Reviewed By	Andrew Smikl	es			Date	15-Aug-2012		Estimated Tota	ıl O	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave Lam			Previous	Assistant's Nan	ne				

Bridge Inspection & Maintenance System (Web 2005)

Alberta Transportation

Next Inspection Date	14-Oct-2014	Previous Inspection Date	16-Mar-2005	
Inspection Cycle (Default) (mon	ths) 39			
Comment				

01704 -1 Bridge