Bridge Inspection															
Bridge File Num	ge File Number 01916 -1 Bridge											CON			
Year Built/Year 1957/1957 Supstr					ŀ			Lot No.			2				
Bridge or Town Name MARWAYNE									Inspector Name			Jason Saly			
Located Over VERMILION RIVER, 6.5, WATER						DODG GT			•			BR CLS A			
Located On 897:06 C1 8.143						COIC	J-01	Assistant Name							
Water Body Cl./Year								Assistant Class							
Navigabil. Cl./Year								<u> </u>	Inspection Date 29-Nov-2012						
Legal Land Location NE SEC 11 TWP 54 RGE 3 W4M						1			Data Entry By Marcia Chavez						
Longitude, Latitude -110:20:12, 53:39:19									Data Entry Date 14-Jan-2013						
Road Authority Alberta Transportation (AIT)								Reviewer Name John O'Brien							
Contract Main. A	Area	CMA15			,			-	iew Dat			14-Dec-2012			
Clear Roadway/		8.2 /										Andrew Smi			
AADT/Year	<u> </u>	1,330 / 2	011 (A)					<u> </u>	ot. Revie		9	17-Jan-2013	3		
Road Classificat	ion	RCU-210						Foll	low-Up E	Зу					
Detour Length (15													
Allowable Load					Semi		S2 49 IRDER			Train	CS GIF	3 62 RDER		> On Critic	al Spans ember
Design Loading:		HS2												> Primary Span	
						Р	osting I	nforn	nation						
Required Load F	Required Load Posting (t) Single						28		Semi				Truck Train		
Posted Loading	ted Loading (t)			Single					Semi			Truck Train			
Posted:	Lane	NB		At Junct	ion (Y/	/N)	No		In Adva	ance (Y	′/N)	No	At Br	ridge (Y/N)	No
Posted:	Lane	SB		At Junct	ion (Y/	/N)	No		In Adva	ance (Y	′/N)	No At Bridge (Y/N) No		No	
Remarks															
Hazard Marker At Bridge (Y/N) Yes															
Remarks Too low.															
Other Sign Type	es .		"Bump"	; River ID)										
						Uí	tilities (l	oca	ted at)						
Utility Attachmer			,												
Telephone	Plowe	ed in West	r/w.					Gas	Municipal Municipal						
Power										/N I) N	1-				
Others								Pro	blem (Y	/N) N	lo				
Remarks							Approa	oh P	load						
						Last		_		n of Co	ondi	tion			
Horizontal Aligni	ment					5	5	-	Explanation of Condition Bridge in center of superelevated curve and at bottom of sag c					of sag curve	
Vertical Alignme						5	5		from south.						
Roadway Width			9.300												
Approach Bump			3.000			6	6								
Guardrail (Y/N)			Yes					Dar	mage to	NE tra	nsitio	on section.			
Guardrail						6	4								
Length (m)															
	Current Standard (Y/N) Yes														
Termination Ty		,	Turn Do	wn											
Drainage						7	N	Snc	ow cover	red.					
Approach Road General Rating					5	5									

Superstructure											
Bridge Com	ponent			Last		Explanation of Condition					
	n : CT, 3 Span	s, Lengths(m	ı): 12.8-18.3-1	2.8, A-	Ident N	Number:)					
Special Feat	ures										
Special Featu	ıre				Х						
(Type:)											
Special Featu	ıre				Х						
(Type :)											
	ace/Deck Top	Detail Ratings									
	N (%)	1 (%)	2 (%)	3 (%)							
Last	10	,		, ,		Snow @ curbs.					
Now	10.0	0.0	0.0	0	0.0	Show & curbs.					
Wearing Surface					5	FRSF; minor surface defects, N span, SB lane.					
	pe : CONCRE	ETE)									
(Thickness	•	,									
Deck Top	`			N	N						
Deck Rideab	ility			7	7						
Deck Joints				3	5						
Temperatui	re (deg. C)	-16									
•	Type : THERM	MOPLASTIC F	POLYMER)								
	: THERMOPL		· · · · · · · · · · · · · · · · · · ·								
Gap Size (r			ocation								
0 0 p 0 1 = 0 (1	,		abut - A1								
			abut - A2								
Deck Drainag	ne			4	6	Jnts appear to be water tight.					
Drains Clog		No				James appear to 20 mater agric					
Curbs/Median				N	N	(2% of curb is heavily scaled & 13% medium scaled. 19/Oct/2006) -					
(Curb Type : Standard)						Snow covered.					
	ercent Area)	15				W curb spalled, S2; spall at NE corner along fascia.					
Bridge Rail				6	5	HSS retrofit rail installed flush to curb face, S1,2 steel posts.					
	LVANIZED ST	FFI BRIDGE	TUBF)			5 bolts missing on NE vertical bar rail to posts.					
Bridge Rail P				6	6	5 posts at SW have tops chipped from wide load; 1 post on E rail has minor crack at top rail; 2 posts deteriorated at base.					
	LVANIZED PO	ST STEEL;G	ALVANIZED			Minor rail damage along E rail, 2nd post from N.					
Bridge Rail/P	oete Coating			7	7						
	LVANIZED)										
Sidewalk	LVANIZED)			Х	Х						
Girders				4	5	S3G4 has been patched; jnts appear to be water tight.					
Diaphragms/	Cross Frame			7	7	Minute hairline cracking at bottom of CIP trees.					
	0.000 1 101116					-					
Bearings	no (do =: O)	40		7	7	10% rust @ masonry interface.					
Temperatur (Expansion	Type : STEEL	-16 - SLIDING PL	ATES WITH E	BRONZ	E						
PLATE IN	BÉTWEEN) e : STEEL SLII										
IN BETWE	EN)	No									
	equate (Y/N)										
Functioning		Yes		_							
Deck Unders Stains (Per		10		6	6	Applicable to lowest corner, NE. All other areas have little cracking, salt staining. Now has overlay. Rust stains at SW corner.					
,	,					וזעטנ אמוווא מנ איז טעוווכו.					

				tructure					
Bridge Component		Last	Now	Explanation of Condition					
(Primary Span : CT, 3 Spans, Le	ngths(m): 12.8-18.3-1	2.8, A	-Ident N	lumber:)					
Span Alignment Problems									
Vertical (Y/N)	No								
Horizontal (Y/N)	No								
Superstructure General Rating		4	5						
			Subst	ructure					
Bridge Component		Last	Now	Explanation of Condition					
Abutments									
Bearing Seats		7	5	Horiz. cracks in N abut. Scaling at the E end of N abut.					
Backwalls/Breastwalls		6	6	A2 stained from leaking joint.					
Wingwalls		7	7						
Piles		N	N	Buried.					
Paint/Coating		7	X						
Abutment Stability		8	8						
Scour/Erosion		7	7						
Piers/Bents									
(Type : PIER-SOLID)									
Bearing Seats/Caps		8	8						
(Type : CONCRETE)									
Pier Shaft/Piles		8	8						
Nose Plate		7	7	Surface corrosion.					
Paint/Coating		7	6						
(Colour Description :)									
(Colour Code :)									
Pier Stability		7	7						
Scour		8	N	Snow/ice covered.					
Debris (Y/N)	No								
Substructure General Rating		7	5						
		\$	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel									
(U/S Direction : W)									
(D/S Direction : E)									
Alignment		8	8						
Bank Stability		8	N	Snow covered.					
HWM (m below Top of Curb)				HWM not visible.					
Drift (Y/N)	Yes								
Slope Protection		7	N	A1 has bagged concrete on lower hslp; A2 Class 1 & 2 riprap on					
(Type : CONCRETE; RIP RAP)			hslp.					
Guidebank/Spurs		X	X						
Adequacy of Opening		8	8						

Structure Usage									
	Last	Now	Explanation of Condition						
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 : NONE)									
Channel General Rating	7	7	Based on slope protection rating from 26Jan2010.						
		, , ,							

01916 -1 Bridge

Bridge Inspection & Maintenance System (Web 2005)

				Maintenance Reco	mmend	ations					
Inspector Recommendations		Year Inspector Comments				Department Comm		Target Year	Est. Cost	Cat #	
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
RETROFIT BRIDGE RAIL											
SEAL CURBS		2013	Patch cu	ırb spalls.							
PATCH DECK											
SEAL DECK											
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS											
RESET/ PAINT BEARINGS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION		2013	O13 Set HMs to std.								
OTHER ACTION		2013	Replace transition section of guardrail								
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		61.1/55.	6	Sufficiency Rating (Last/No (%)	w) 5	66.5/54.8	Est. Repl. Yr	2033	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date			Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Ower		Salava		Р	revious Assistant's Name						
Next Inspection Date	29-Feb	-2016		Р	revious I	nspection Date					
Inspection Cycle (Default) (months) 39											
Comment											