								Bridge Ir	1spe	ction							
Bridge File Number 72527 -1 Bridge					<u> </u>					PCS							
Year Built/Year		1976	/197	6					Lot	Lot No.			2				
Supstr									Insp	Inspector Name			Wade Nanninga				
Bridge or Town I	Name			SINIB					Insp	ector (Class		BR CLS B				
Located Over		WAT	ARW ERC	WATER CREEK, 8.11.89, CRS-ST					Ass	istant N	Name						
Located On				1 12.485					Ass	Assistant Class							
Water Body CI./	Year								<u> </u>	ection			20-May-2010				
Navigabil. Cl./Ye	ar									a Entry	-		Theresa Lac				
Legal Land Loca	ition	SW S	SEC	12 TWP	63 RGE	6 W5N	Л			a Entry			29-Jun-2010				
Longitude, Latitu	ıde	-114:	46:1	3, 54:25:	57					iewer l			Arnold Assenheimer				
Road Authority		Alber	rta Tr	ansportation (ATT)									24-Jun-2010				
Contract Main. A	rea	СМА	10							Dept. Reviewer Name				k			
Clear Roadway/Skew 8.8 /										ew Date)	05-Jul-2010					
AADT/Year 350 / 200			200	9 (A)					Foll	ow-Up	Ву						
Road Classificat	Road Classification RCU-209		-209	-110													
Detour Length (k	m)	6															
Allowable Load (Allowable Load (t): Single CS1			28	Semi		С	CS2 49		Train C		cs	S3 62		> On Critical Spans >Critical Member		ns
Design Loading:		I	HS25	5											> Primar	y Span	
							P	osting Ir	nformation								
Required Load F	osting	(t)	Single							Semi				Truck Train			
Posted Loading	(t)			Single						Semi			Truck Train				
Posted:	Lane	N	В	At Junction (tion (Y	/N)	No		In Advance (Y/N)		No	At Bridge (Y/N) No		No		
Posted:	Lane	SI	В		At Junc	tion (Y	/N)	No	In Advance (Y/N)		/N)	No	At Bridge (Y/N)		No		
Remarks	Not re	equire	d.														
Hazard Marker A	At Brid	ge (Y/	N)	Yes													
Remarks																	
Other Sign Type	S			Clearwa	iter Cree	k											
							U	Itilities (L	ocaí	ed at)							
Utility Attachmer																	
Telephone	West								Gas								
	2 wire	es 20 r	n eas	st of c/l.						Municipal Problem (Y/N) No.							
Others							Problem (Y/N) No										
Remarks								Approa	ch D	oad							
							Last		Explanation of Condition								
Horizontal Alignr	ment						7	7	_	Farm entrance to SE.							
Vertical Alignme							6	6		No passing SB. Crest curve with limited sight distance.			€.				
Roadway Width				8.700	8.700												
Approach Bump							6	6									
Guardrail (Y/N)				Yes													
Guardrail							Ν	6									
Length (m)				15.200													
Current Standa	ard (Y/	N)		Yes													
Termination Ty	/ре			Turn Do	wn												
Drainage							N	4		Erosion adjecent to SE & NE wing. 2m x 1mx1m, reduced suguardrail post.			uced sup	port for			
Approach Road	l Gene	eral Ra	ating)			6	6									

Bridge Component						Supers	structure
	Bridge Comp	ponent					
Special Feature			ns, Lengths	(m): 6.1, A-Ide			, <u>, , , , , , , , , , , , , , , , , , </u>
Type : Special Feature			· •	· ·		<u> </u>	
Special Feature	_					Х	
Special Feature	(Type:)						
Type : Wearing Surface/Deck Top Detail Ratings		ure				X	
Wearing Surface Detail Ratings	·						
N % 1 % 2 6 3 %		ace/Deck Top	Detail Ratin	gs			
Last Now Wearing Surface 5 5 5 (Gap @ centerline - 2000/11/12) Paved over. (Material Type : ACP) (Thickness(mm): 50) Lateral Connection Problem (YN)	J				3 (%)		
Wearing Surface	Last						
(Material Type : ACP) (Thickness(mr) : 50) Lateral Connection Problem (Yrs) Deck Top N N N Asphalt on deck top. Deck Rideability 6 6 6 Deck Joints N N Deck Drainage 7 Drains Clogged (Y/N) Deck Drainage 7 Drains Clogged (Y/N) Curbs/Median (Curb Type : Standard) Scaling (Percent Area) Defice Rail Crype : GALVANIZED STEEL FLEX BEAM) Bridge Rail Crype : GALVANIZED POST STEEL; GALVANIZED POST STEEL) Bridge Rail Crype : GALVANIZED Sidewalk X X Girder Detail Ratings N (Count) N (Covered with asphalt. Small spalled area around posts on east curb. ((Missing 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Wissing 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Vising 1 A/B nut on east rail post. Other AB nuts not fully threaded. Stripe : GALVANIZED Single layer. (Now						
Chickness(mm): 50 Lateral Connection Problem (Yes (YN)) Pock Top	Wearing Surf	face			5	5	(Gap @ centerline - 2000/11/12) Paved over.
Content Connection Problem Ves Covered with asphalt Covere	(Material Ty	ype : ACP)					3 girderline gracks in ACP
Lateral Connection Problem (Y/N) Deck Top Deck Top N N Asphalt on deck top. N N Asphalt on deck top. Deck Rideability 6 6 Deck Rideability 6 6 Deck Rideability 6 6 Deck Rideability N O Covered with asphalt. Bump (Y/N) Poraline Clogged (Y/N) Curbs/Median N 5 Small spalled area around posts on east curb. (Curb Type : Standard) Scaling (Percent Area) Scaling (Percent Area) Single layer. (Missing 1 A/B nut on east rail post. 6 other AB nuts not fully threaded. (Nissing 1 A/B nuts not fully threaded. Steel AB nuts not fully threaded. (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Sidewalk X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last Now 8 0 0 0 Girders Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No No No No No Span Alignment Problems Vertical (Y/N) No No No No Covered with asphalt. No Covered with asphalt. No Covered with asphalt. Scaling (Percent Area) No Covered with asphalt. No Covered with asphalt. Sealing (Percent Area) No Covered with asphalt. Small spalled area around posts on east curb. Covered with asphalt. Small spalled area around posts on east curb. Covered with asphalt. Small spalled area around posts on east curb. Covered with asphalt. Small spalled area around posts on east curb. Covered with asphalt. Small spalled. Viewed from banks due to water depth. Last Complete Inspection Date 02-Mar-2007 Delamination on G2-02-Mar-2007) Delamination on G2-02-Mar-2007)							3 girdelille dacks in ACF.
Deck Rideability Deck Joints Bump (Y/N) Bump (Y/N) Pes Deck Drainage 7 7 7 Drains Clogged (Y/N) Curbs/Median (Curb Type: Standard) Scaling (Percent Area) Bridge Rail 7 7 7 (Type: GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts TEL: Type: GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 7 7 7 (Type: GALVANIZED STEEL GALVANIZED POST STEEL) Bridge Rail/Posts Single layer. (Missing 1 A/B nut on east rail post. 6 other AB nuts not fully threaded. Type: GALVANIZED Sidewalk X X Girder Detail Ratings N (count) N (count) N (count) 1 (count) 2 (count) 3 (count) Viewed from banks due to water depth. Last Now 8 0 0 0 Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Cracking (Y/N) No Spalling (Percent Area) Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 8) Span Alignment Problems Vertical (Y/N) No No No No No No No No No	Lateral Connection Problem Yes						
Deck Joints						N	Asphalt on deck top.
Bump (Y/N) Yes	Deck Rideab	ility			6	6	
Deck Drainage 7 7 7 Drains Clogged (Y/N)					N	N	Covered with asphalt.
Drains Clogged (Y/N) Curbs/Median	Bump (Y/N)	Yes				
Curbs/Median					7	7	_
Curb Type : Standard Scaling (Percent Area) 0	Drains Clog	gged (Y/N)					
Scaling (Percent Area) 0 Bridge Rail 7 7 7 (Type : GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts N 3 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED Bridge Rail/Posts Coating 7 7 (Type : GALVANIZED) Sidewalk X X X Girder Detail Ratings Viewed from banks due to water depth. Last Now 8 0 0 0 Girders V A N Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) No Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Spalling (Procent Area) No No Horizontal (Y/N) No Span Alignment Problems Vertical (Y/N) No Spalling (Procent Area) No No Horizontal (Y/N) No Span Alignment Problems					N	5	Small spalled area around posts on east curb.
Bridge Rail (Type : GALVANIZED STEEL FLEX BEAM) Bridge Rail Posts N 3 (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating (Type : GALVANIZED) Sidewalk X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last Now 8 0 0 0 Girders Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Spalling (Procent Area) No Horizontal (Y/N) No Horizontal (Y/N) No Span Alignment Problems	(Curb Type	: Standard)					_
(Type : GALVANIZED STEEL FLEX BEAM) Springer Rail Posts N 3 3	Scaling (Pe	ercent Area)	0				
Bridge Rail Posts N 3 6 other AB nuts not fully threaded. (Type : GALVANIZED POST STEEL;GALVANIZED POST STEEL) Bridge Rail/Posts Coating 7 7 (Type : GALVANIZED) Sidewalk X X Girder Detail Ratings Viewed from banks due to water depth. Last Now 8 0 0 0 Girders 4 N Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No No Horizontal (Y/N) No No Horizontal (Y/N) No No A	Bridge Rail				7	7	Single layer.
Count Coun	(Type : GA	LVANIZED ST	TEEL FLEX	BEAM)			(Missing 1 A/B nut on east rail post.
STÉEL) Bridge Rail/Posts Coating 7 7 (Type : GALVANIZED) Sidewalk X X Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Last Now 8 0 0 0 Girders 4 N Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Horizontal (Y/N) No Type : GALVANIZED Typ						3	6 other AB nuts not fully threaded.
Circle County C	(Type : GA STEEL)	LVANIZED PO	OST STEEL;	GALVANIZED	POST		_
Sidewalk X X	Bridge Rail/P	osts Coating			7	7	
Girder Detail Ratings N (count) 1 (count) 2 (count) 3 (count) Viewed from banks due to water depth. Now 8	(Type : GA	LVANIZED)					
N (count) 1 (count) 2 (count) 3 (count) Now 8 0 0 0 Girders 4 N Last Complete Inspection Date Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Viewed from banks due to water depth.	Sidewalk				X	X	
N (count) 1 (count) 2 (count) 3 (count) Now 8 0 0 0 Girders 4 N Last Complete Inspection Date Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Viewed from banks due to water depth.	Girder Detail	Ratings					
Now 8 0 0 0 0 Girders 4 N Last Complete Inspection Date Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Span Inspection Date O2-Mar-2007 Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007)			1 (count)	2 (count)	3 (cou	unt)	Viewed from banks due to water depth.
Girders Last Complete Inspection Date Cracking (Y/N) Spalling (Percent Area) Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007) Evidence of leaking between girders. Stained between several girders. (The failed connectors at 04/5 have been repaired - photo. Delamination on G202-Mar-2007)	Last						
Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No	Now	8	0	0		0	
Last Complete Inspection Date 02-Mar-2007 Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders: 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No	Girders				4	N	Evidence of leaking between girders. Stained between several
Cracking (Y/N) No Spalling (Percent Area) 0 Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No	Last Complet	te Inspection D	Date 02-Ma	ar-2007			girders. (The failed connectors at 04/5 have been repaired - photo.
Lift or Connector Pocket Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No	Cracking (Y	//N)	No				
Grouted (Y/N) (Number Of Girders : 8) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No	Spalling (Po	ercent Area)	0				
Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No							
Vertical (Y/N) No Horizontal (Y/N) No	(Number Of 0	Girders : 8)					
Horizontal (Y/N) No	Span Alignm	nent Problems	s				
	Vertical (Y/	N)	No				
Superstructure General Rating 4 4 GR carried fwd from 02-Mar-2007	Horizontal ((Y/N)	No				
	Superstructi	ure General R	ating		4	4	GR carried fwd from 02-Mar-2007

					Subst	ructure					
Bridge Com	ponent			Last	Now	Explanation of Condition					
Abutments	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>			111011						
(Extended	Backwall Piles	s (Y/N) : Y)				No file tag.					
	Backwall Piles		n) : 1400)			Crowned subcap 300 x 300. Vertical crack through part of South abutment cap.					
(Total Numb	er of Caps/Co	rbels : 3:3)				Viewed from banks due to water depth.					
Bearing Sea	ts/Caps/Corbe	els Detail Ratio	ngs								
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Slight rolling of North cap (5 degrees).					
Last											
Now											
Bearing Sea	its/Caps/Corbe	els		5	5						
(Type : TR	EATED TIMB	ER)									
(Depth(mn	n) : 356)										
(Width(mm	n) : 305)				1						
Backwalls/B	Backwalls/Breastwalls				4	(Vertical sheeting has moved inwards for 300 mm because waler is					
Greatest Height (m) 2.80						missing and shtg does not reach cap. Whaler missing on SW side02-Mar-2007)					
\A.C.						Backwall @ NE is cracked/brokenphoto					
Wingwalls	Wingwalls			6	4	WW leaning - 1 broken plank at NE.					
(Total Numb	er of Bearing I	Piles : 9:9)									
Piles Detail I	Ratings					5mm crack in P8 S. abut.					
	N (count)	1 (count)	2 (count)	3 (cou	ınt)	Backwall scabs installed too low.					
Last											
Now											
Piles				6	4						
Paint/Coatin	g			X	X						
Abutment St	tability			5	5						
Scour/Erosio	on			N	N						
Piers/Bents	1										
(Type:)											
	er of Caps/Co	· · · · · · · · · · · · · · · · · · ·									
Bearing Sea	ts/Caps/Corbe		1								
	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last											
Now	4-10-10	1-			V	-					
	its/Caps/Corbe	eis		X	X						
(Type:)	n) ·)										
(Depth(mn											
(Width(mm	•	Diloo · \									
	er of Bearing I	riies :)									
Piles Detail I	N (count)	1 (count)	2 (count)	3 (cou	ınt)						
Last	iv (count)	i (courit)	Z (COUIII)	3 (600	()						
Now											
Pier Shaft/Pi	iles			X	Х	-					
Greatest F											
	ts/Sheathing			Х	Х						
Nose Plate				X	X						
11000 Flate	Nose Plate				^						

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		Х	Х	
(Colour Description :)				
(Colour Code :)				
Pier Stability		X	X	
Scour		Х	Х	
Debris (Y/N) Yes				Old piles adjacent to new ones.
Substructure General Rating		5	4	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Channel				
(U/S Direction :)				
(D/S Direction :)			_	
Alignment		7	7	
Bank Stability		N	5	(0.5m above top of cap, water levels to edge of road July 2000.) teep banks at all 4 corners.
HWM (m below Top of Curb)	0.3			
Drift (Y/N)	Yes			
Slope Protection		N	5	Some rock visible.
(Type: RIP RAP; RIP RAP)				
Guidebank/Spurs		X	X	
Adequacy of Opening		5	5	
(Fish Compensation Measure 1	: NONE)			
(Fish Compensation Measure 2	: NONE)			
Channel General Rating		4	5	

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance I	Recommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Commo	ents		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2010	Replace missing AB nut							
SEAL CURBS									
PATCH DECK									
OVERLAY DECK									
STRAIGHTEN/REPLACE MEMBERS									
WASHING									
SHOTCRETE REPAIRS									
CORE TIMBER CAPS/CORBELS									
REPAIR/REPLACE TIMBER CAPS									
REPAIR ABUTMENT SCOUR/EROSI	ON								
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL STRUTS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 50.0/44	.4 Sufficiency Rating (Las	t/Now)	61.7/61.1	Est. Repl. Yr	2016	Maint. Re	qd. (Y/N)	Yes
Special Monitor backwall fo Comments for Next Inspection	r further movem	ent. Consider repairing backwall in i	near future.	Department Comments					
							Estimated Total	1 0	
Maintenance Reviewed By				Date					
Maintenance Reviewed By Proposed Long-Term Strategy				Date			Estimated Fotal	. 0	
Proposed Long-Term Strategy				Date			Estimated Fotal		
Proposed Long-Term Strategy On 3-Year Program (Y/N)				Date			Estimated Fold	U	
Proposed Long-Term Strategy				Date			Estimated Total		
Proposed Long-Term Strategy On 3-Year Program (Y/N)	Dave Lam		Previous A	Date Assistant's Name			Estimated Total		
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action					02-Mar-2007		Estimated Total		
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Dave Lam 20-Aug-2013 39			Assistant's Name	02-Mar-2007		Estimated Total		