								Bridge	Inspe	ection						
Bridge File Number 77389 E-1 Bridge								form Type		PSR						
Year Built/Year			4/1974							Lot No.			2			
Supstr									Ins	Inspector Name			Wade Nanninga			
Bridge or Town	Name	KAF	PASIW	IWIN					Ins	Inspector Class			BR CLS A			
			2 C1 0.274					Ass	Assistant Name							
Located On 16:12 R1				38.386					Ass	Assistant Class						
Water Body Cl./Year									Ins	Inspection Date			09-Aug-2012	<u> </u>		
Navigabil. Cl./Year										Data Entry By			Theresa Lac			
Legal Land Location NE SEC			7 TWP 53 RGE 3 W5M						Data Entry Date			22-Aug-2012				
Longitude, Latitu	ıde	-114	4:25:12	12, 53:34:12						-			Eric Carcoux			
		erta Tr	ransportation (AIT)					-	Review Date			21-Aug-2012				
Contract Main. A	Area	CM	A11							Dept. Reviewer Name						
Clear Roadway/	Skew	12.2	2 /							pt. Revi			30-Aug-2012			
AADT/Year		9,92	20 / 20	11 (A)									00 / lug 2012	•		
Road Classificat	ion	RAE	D-412.	4-120						Follow-Up By						
Detour Length (F	km)	1														
Allowable Load	(t): Sin	gle	CS1	28 Semi			С	S2 49		Train CS		33 62		> On Critical Spans		
															>Critical M	
Design Loading:			HS25	5											> Primary	Span
Degrational Vant C	Na a na n	D		. ()	LINDER	. 0540		osting	Infor	mation						
Required Vert. C				(m)	UNDEF	K. 2513	37 C1	5.2111								
Posted Vertical				-1 ()	Yes	l A .l		(\	Yes		OD		Ara Davidara (na)		I Ah	(X/NI) NI-
	NB			dge (m)						Lane	SB	C	n Bridge (m)		In Advance	(Y/N) No
Remarks			a on 7	7389W.									_			
Required Load F		(t)		Single						Semi			Truck Train			
Posted Loading				Single						Semi			Truck Train			
Posted:	Lane		EB		At Junction (Y/N)			No		In Adv				At Bridge (Y/N)		No
Posted:	Lane		WB		At Junction (Y/N)					In Adv	ance ((Y/N)		At Bridge (Y/N)		
Remarks	Not re	quire	ed.													
Hazard Marker A	At Brid	ge (Y	′/N)	No												
Remarks				Remarks not required. Information.												
Other Sign Type	S			Informa	tion.											
							U	tilities	(Loca	ted at)						
Utility Attachmer																
Telephone South r/w.									Ga							
Power			rth r/w							Municipal NAN N						
Others	Trans	miss	ion lin	ine approx 300m South.					Pro	Problem (Y/N) No						
Remarks																
							Last	Appro		koad planatic	n of (Condi	tion			
Horizontal Aligni	ment						7	7						mne		
							6	6	۱ y ۱	Typical overpass crest with on/off ramps.						
	Vertical Alignment			12 200	200		0 0		100	ACP at approach is cracked						
Roadway Width (m)			12.200		4 4		ACP at approach is cracked.									
Approach Bump			Vac			4 4		Minor creases along rail, still functional. Insufficient posts at bridge,								
Guardrail (Y/N)			Yes			4		not	thrie be	eam tr	anšitic	n.	ıaı. Ir	isumcient pos	is at bridge,	
Guardrail		00.000		4 4			Missing rail bolt @ NW.									
Length (m)		99.000				1										
Current Standard (Y/N)			No	Da					_							
Termination Ty	ype			Turned	חown		,		147						wa a a 41- 41-	
Drainage							4	4	cor	Water is running along all 4 wingwalls and getting underneath t concrete slope protection. SE down drain misaligned with conc slope protection trough - photo.				rneath the th concrete		
Approach Road	d Gene	ral F	Rating				6	6								

Superstructure											
Bridge Comp	idge Component L					<u> </u>	Explanation of Condition				
(Primary Spa	n : RD, 3 Spar	ns, Length	ns(m)): 9.1-18.3-9.	1, A-Id	ent Nu	mber:)				
Special Feat	ures										
Special Featu	ıre					X					
(Type:)											
Special Feature						Х					
(Type:)											
Wearing Surface/Deck Top Detail Ratings											
	N (%) 1 (%) 2 (%)										
Last											
Now						5.0					
Wearing Surf	ace				4	3	Raveling at piers & abutments. Old patches have ruts.				
(Material Ty	/pe : ACP - CC	ONVENTIC	ONAL	CHIP SEAL	COAT	Γ)	Ponding @ NE corner, chipseal ravelling.				
(Thickness)	(mm) : 50)										
Lateral Conne	ection Problem	n No									
Deck Top		·			N	N					
Deck Rideabi	lity				5	4	Bumps at piers. Ravelling waering surface.				
Deck Joints					3	5	(Leaking @ East abutment - photo. 08/Dec/2008) Small tear in West				
Temperatur	e (deg. C)	20				_	pier gland - patched.				
	Type : GLANI	D (WABO-	-MAL	JER, TRANS	FLEX.	ETC))					
	: ASPHALTIC	•				• •					
Gap Size (r				cation							
70	,		. pier								
70			pier								
			•								
Deck Drainag	ie	<u> </u>			4	4	(Leaking @ East abutment A1 FB. 08/Dec/2008)				
Drains Clog		No					_ (3				
Curbs/Mediar		11.5			5	5	Minor spall on South curb. Typical cracking at curb ext under posts.				
	: Standard)										
Scaling (Pe		5									
Bridge Rail	i John Filoa)	- 5			7	7	Grout pads @ base have delaminated.				
	LVANIZED ST	EEI BDIL	GE :	TURE)	, ,		10% post A/B with insufficient thread.				
Bridge Rail P		LLL DRIL	JGE	i ODL)	4 4		Superficial rust on post bases.				
	LVANIZED PC	ST STEE	L;GA	LVANIZED	1	4	- Caponiolal ruot on poot bases.				
,	nets Chating				4 4						
	Bridge Rail/Posts Coating					-					
` * .	(Type : GALVANIZED)					V					
Sidewalk	Sidewalk					X					
Girder Detail Ratings											
N (count) 1 (count) 2 (count)				2 (count)	3 (cou	unt)	G1P1 Narrow long crack along underside.				
Last						1					
Now	0	0		0	1						
Girders					3	3	Delam/spall S3G8 @ East pier - photo. Rust spots on bottom of				
Cracking (Y	′/N)	Yes	;				several girders related to rebar chairs. 5% fascia coating peeling.				
	ercent Area)	0					S2G1, G2, G3,G4 & G11 are chipped from HLD.				
(Number Of C							25mm void S2G7- poor casting.				
,											

		, ,	Supers	tructure
Bridge Component		Last	Now	Explanation of Condition
(Primary Span: RD, 3 Spans, Le	engths(m): 9.1-18.3-9.	1, A-Id	ent Nu	mber:)
Diaphragms/Cross Frame		Х	X	
Bearings		7	7	
Temperature (deg. C)	20			
(Expansion Type : REINFORC	ED PAD BEARING)			
(Fixed Type : REINFORCED P	AD BEARING)			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N) Yes				
Deck Underside		Х	Х	
Stains (Percent Area)				
Span Alignment Problems				
Vertical (Y/N)	No			
Horizontal (Y/N)	No			
Superstructure General Rating		3	3	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments			1.10.11	
Bearing Seats/Caps		6	6	
(Type : CONCRETE)				
Backwalls/Breastwalls		6	6	
Wingwalls		6	6	
Piles		N	N	
Paint/Coating		5	5	East breatwall stained.
Abutment Stability		6	6	
Scour/Erosion		4	4	Water at all 4 corners flows along wingwalls and gets under slope protection - void.
Piers/Bents				
(Type : PIER-COLUMN)				Light scaling North end of East pier.
Bearing Seats/Caps		4	5	
(Type : CONCRETE)				
(Total Number of Bearing Piles :	7:7)			
Pier Shaft/Piles	,	7	7	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate			Х	
Paint/Coating			4	Chaulky appearance. Superficial rust on 5%.
(Colour Description :)				Green.
(Colour Code :)				
Pier Stability		5	5	Concrete slope protection pushing on pier piles.
Scour		Х	X	
Debris (Y/N)	No			
Substructure General Rating		4	5	

Structure Usage											
		Last	Now	Explanation of Condition							
Grade Separation											
Road Alignment		7	7								
Traffic Safety Features		Х	Х								
Туре	None										
Slope Protection		4	4	East concrete slope protection down 190 out 175. West concrete							
(Type : CONCRETE; CONCRETE)				slope protection down 110 out 125. East moved out 25 and West moved out 15mm since 14/June/2005. The east is cracking along toe and the west is starting to buckle along toe.							
Bank Stability		5	5	Void under concrete slope protection, both abutments.							
Drainage			5	Ponding along toes.							
Grade Separation General Rating			5								

Bridge Inspection & Maintenance System (Web 2005)

		Maintenance Re	ecommenda	ntions					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL									
GALVANIZE/PAINT BRIDGE RAIL									
SEAL CURBS									
PATCH DECK	2012	Patch ACP & repair ruts.							
SEAL DECK									
OVERLAY DECK									
REPAIR/REPLACE DECK JOINTS	2012	Flood joints and repair leak - if not d already.	one						
RESET/ PAINT BEARINGS									
WASHING	2012	Wash							
SHOTCRETE REPAIRS									
REPAIR ABUTMENT SCOUR/EROS	SION 2012	Redirect drainage to prevent undern slope protection. Seal gap @ top of slope protection/breastwall, both about the slope protection of the slope prot	concrete						
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
OTHER ACTION									
OTHER ACTION	2012	Install rail bolt @ NE.							
OTHER ACTION	2012	Consider upgrading guardrail to mee	et standard.						
OTHER ACTION									
Structural Condition Rating (Last/(%)	Now) 38.9/44	Sufficiency Rating (Last/	Now) 47	7.3/49.4	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	Yes
Special Repair grout pad of Comments for Next Inspection	deterioration & po	ost thread @ next rehab. Monitor delar		Department Comments					
Maintenance Reviewed By				Date			Estimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Kris Bosters		Previous A	us Assistant's Name					
Next Inspection Date	09-May-2014		Previous In	spection Date	06-Oct-2010				
<u> </u>				-					
Inspection Cycle (Default) (months)	21								