								Bridge	Inc	spectio	n							
Bridge File Num	her	850	21 FS	6-4 Bridge	2			Bridge		Form T				PSR				
Year Built/Year	501			5/2006						Lot No.	ypo			3				
Supstr			70,200							Inspect	or Na	ame		Kris Bosters				
Bridge or Town I	Name	AN <sup>-</sup> OVI		Y HEND VY2:32 S						Inspect				BR CLS A				
Located Over			2 L1 1						/	Assistant Name								
Located On		_		23-2 A						Assistant Class								
Water Body Cl./	Vear	100	VII	20 2 71						Inspection Date			20-Feb-2013					
Navigabil. Cl./Ye										Data Entry By			Lisa Fairhurst					
Legal Land Loca		SE	SEC 2	29 TWP :	51 RGE	24 \//	/4M			Data Entry Date			11-Mar-2013					
Longitude, Latitu						Z <del>T</del> VV-	7-11/1			Reviewer Name			Eric Carcoux					
Road Authority	iue			35, 53:25:49 Transportation (AIT)					F	Review Date			10-Mar-2013					
Contract Main. A	roo			Y HENDAY DRIVE						Dept. Reviewer Name			Brent Herric	k				
				AT DRIVE					Dept. Review Date			13-Mar-2013						
Clear Roadway/Skew 20.3 /								Follow-										
AADT/Year	:	DE	2 440	4.440					-		•	,						
Road Classificat			D-412.	4-110					$\dashv$									
Detour Length (k	ĺ	1	004					200.40					00	0.00		0 0 %	1.0	
Allowable Load (		ngle	CS1			Semi	1	CS2 49				Γrain	CS	S3 62		> On Critical Spans >Critical Member		
Design Loading:			CL80	00												> Primary	Span	
								osting	Inf	ormati	on							
Required Vert. C				g (m)														
Posted Vertical (					Yes										I			
Posted: Lane	SB	- (	On Bri	dge (m)	5.4	In Adv	ance	e (Y/N)	No	o La	ane	NB	0	n Bridge (m)		In Advance	(Y/N)	
Remarks			sign r	mounted	on stru	cture #	ŧ3.											
Required Load Posting (t) Single								Semi				Truck Train						
Posted Loading	(t)				Single					Semi				Truck Train				
Posted:	Lane		SB		At June	ction (\	Y/N)	No		In Advance (Y/N)			No	At Bridge (Y/N) No				
Posted:	Lane		NB		At June	ction (\	Y/N)			In A	Advai	nce (Y	′/N)		At Br	ridge (Y/N)		
Remarks	Not re	equire	ed.															
Hazard Marker A	At Brid	ge (Y	//N)	Yes														
Remarks				Installed	d @ end	ls of a	oproa	ach raili	ng,	1 at en	d of o	concre	ete b	arrier NE.				
Other Sign Type	S			Lane er	ıds.													
							U	<b>Itilities</b>	(Lo	ocated	at)							
Utility Attachmer	nts																	
Telephone									(	Gas		E	than	e marker @ I	٧W.			
Power	Major	pow	er ove	er North e	end, stre	eet ligh	ghts.			Municipal								
Others										Problem (Y/N) No								
Remarks																		
										h Road								
							Las			Explanation of Condition								
Horizontal Alignr							7			On curv	e, or	n ramp	ent	ers.				
Vertical Alignme	nt						8	8	_									
Roadway Width	(m)			20.300					\	Wide cr	acks	with r	avell	ling at approa	ches	- photo		
Approach Bump							8	4	_									
Guardrail (Y/N)				Yes					7	Tear fro	om gr	rader a	at NE	rail, still fund	ctional			
Guardrail							8	5										
Length (m)				62.000														
Current Standa	ard (Y/	/N)		Yes														
Termination Ty	/ре			Termina	al													
Drainage							4	N	-	(Erosioi - 26 Ap	n gull r 201	ly form 1)	ning :	at SW corner	upto -	400 deep X 3	m long pl	hoto
Approach Road	l Gene	eral F	Rating	I			7	7										

					,	Supers	tructure						
Bridge Com	ponent					Now	Explanation of Condition						
	an : TSS, 1 Spa	ans, Len	qths(	m): 41.5, A-lo			)						
Special Feat		•		•									
Special Feat						X							
(Type:)													
Special Feat	ure					X							
(Type:)	<u> </u>												
	face/Deck Top	Detail R	atings										
Wearing Carr	N (%)	1 (%)	atirige	2 (%)	3 (%)		Snow along gutters						
Last	11 (70)	. (70)		2 (70)	(70)								
Now	5.0	0.0	 )	0.0	0	0.0							
Wearing Surf		0.0		0.0	4	4	Random longitudinal and transverse wide cracksphoto						
(Material T					1 7		Trandom longitudinal and transverse wide cracks. prioto						
(Thickness	•												
	ection Problem	n No											
(Y/N)	lection Problem	1 110	U										
Deck Top					N	N							
-													
Deck Rideab	ility				8	8							
Deck Joints					4	4	2 bolts sheared off at curb joint cover plate at SE corner - photo.						
Temperatu	re (deg. C)	-7					4 missing plow deflectors at S joint - photo 2 missing deflectors at N joint						
(Expansion	Type : <b>GLAN</b> I	D (WAB	О-МА	UER, TRANS	FLEX,	ETC))	Paving lips have light scaling in wheel paths and wide transverse						
(Fixed Type	e:)						cracks - photo						
Gap Size (ı	mm)	(	Gap L	ocation									
108	·	1	North	abutment									
112			South	abutment									
Deck Drainag	ge	<u> </u>			4	4	PVC drain tubes don't extend below deck, staining/scaling						
Drains Clog		No					undersidephoto Scaling on underside where seepage is coming through curb cold joints - photo						
2.00	9900 (1711)		-										
Curbs/Media	n				7	4	Medium vertical shrinkage cracks, typical.						
	:: :: SINGLE SLO	OPE CO	NCRE	TE BARRIFI			Leakage through cold joint cracks is causing scaling on deck						
	ercent Area)	1					underside - photo						
Bridge Rail					Х	X							
(Type:)													
Bridge Rail P	Poete				X	X							
(Type:)	USIS												
	Poete Coating				X	X							
Bridge Rail/P	Usis Cualing					_ ^							
(Type:)					V	V							
Sidewalk					X	X							
Girder Detail	Ratings												
	N (count)	1 (coun	t)	2 (count)	3 (cou	ınt)	Almost all beams have narrow hairline horizontal crackin. At some						
Last							beams cracking extends for length of beam. Some rust spotting.  Beam 2 at W end likely not from stressing strand.						
Now	0	0		0		0	Boarn 2 at W one mony not norm stressing straine.						
Girders					4	4	Narrow cracking at trellis beams vertical faces.						
Cracking (	Y/N)	Ye	es				Horizontal and vertical shrinkage cracks trellis beam end blocks.						
	ercent Area)	0					Shallow cover exposing rebar end at #14.  Overhanging sections have horiz. cracks, W end oftrellis 6 has						
(Number Of							narrow shear cracks						
,													

			Supers	tructure
Bridge Component			Now	Explanation of Condition
(Primary Span : TSS, 1 Spans, L	.enaths(m): 41.5. A-Id			
Diaphragms/Cross Frame	<u> </u>	X	X	
Diapinagina, erece i iaine				
Bearings		8	8	Only could see a couple at deck joint locations
Temperature (deg. C)	-7			
(Expansion Type : REINFORCI TEFLON AND STAINLESS ST	ED NEOPRENE BEAF 'EEL)	RING W	VITH	
(Fixed Type : REINFORCED P.	AD BEARING)			
Coating Adequate (Y/N)	Yes			
Functioning (Y/N)	Yes			
Deck Underside			5	Medium crack 0.5m long at NE & SE corner with staining.
Stains (Percent Area)	0			Light scaling around strain tube & curb joints Narrow transverse crack at cold joint on S end of bridge
,				Namow transverse crack at cold joint on 5 end of bridge
Span Alignment Problems Vertical (Y/N)	No			
,	No			
Horizontal (Y/N)				
Superstructure General Rating		4	4	
			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Abutments				
Bearing Seats/Caps		8	6	Narrow crack with efflourescence extending from deck underside at
(Type : <b>CONCRETE</b> )				SW
Backwalls/Breastwalls		8	8	
Wingwalls		6	6	Narrow vertical cracks at all 4 corners
Piles		N	N	
Paint/Coating		7	4	5% peeling, especially on horizontal faces
Abutment Stability		8	8	
Scour/Erosion		5	5	Fill settled at NE/SW corner - 400mm.
Piers/Bents				
(Type:)				Trellis beam supports.
Bearing Seats/Caps		8	6	Buttress wall.
(Type:)				Narrow horiz. & vert. cracks in supports.
(Total Number of Bearing Piles :	)			
Pier Shaft/Piles		N	N	
Bracing/Struts/Sheathing		Х	Х	
Nose Plate		Х	Х	
Paint/Coating		8	4	Cream.
(Colour Description : )				Peeling at a few locations, especially horizontal faces.
(Colour Code : )				
Pier Stability		8	8	
Scour		4	N	(Pile exposed and bank sloughing at trellis #7 26Apr2011) Snow covered
Debris (Y/N)	No		1	
Substructure General Rating	I	8	6	

		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation								
Road Alignment		8	8	On curve.				
Traffic Safety Features		7	7					
Туре	Lighting							
Slope Protection		7	5	2 short retaining walls on NW headslope.				
(Type : CONCRETE; CONCRE	TE)		Medium vertical cracks					
Bank Stability		4	4	Pile exposed & fill settled @ 7th trellis beam from South Settled at sixth beam as well. Headslope settled upto 400mm @ NE.				
Drainage		5	5					
Grade Separation General Ratio	ng	4	4					

Bridge Inspection & Maintenance System (Web 2005)

85021 ES-4 Bridge

			Maintenance Reco	ommenda	ations						
Inspector Recommendations	Year	Inspecto	or Comments	Department Comments					Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL											
GALVANIZE/PAINT BRIDGE RAIL											
SEAL CURBS	2013	Seal cra	acks at cold joints								
PATCH DECK	2013	Seal/pat	tch cracks at approaches								
SEAL DECK	2013	Seal ded	ck cracks								
OVERLAY DECK											
REPAIR/REPLACE DECK JOINTS	2013	Add bolt plow def	ts to coverplate, replace missin flectors, seal cracks.	ng snow							
RESET/ PAINT BEARINGS											
WASHING											
SHOTCRETE REPAIRS											
REPAIR ABUTMENT SCOUR/EROSI	ON										
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
OTHER ACTION											
OTHER ACTION	2013	Repair e	ready								
OTHER ACTION											
OTHER ACTION	2013	Extend	drain/weep tubes.								
OTHER ACTION  Structural Condition Rating (Last/N (%)			drain/weep tubes.    Sufficiency Rating (Last/No (%)	ow) 6	2.3/58.5	Es	st. Repl. Yr	2080	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/N (%)	ow) 66.7/5	5.6	Sufficiency Rating (Last/No	ow) 6	2.3/58.5  Department Comments	Es	st. Repl. Yr	2080	Maint. Red	qd. (Y/N)	Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Monitor horizontal of	ow) 66.7/5	5.6	Sufficiency Rating (Last/No (%)	ow) 6	Department Comments	Es	st. Repl. Yr		Maint. Red		Yes
Structural Condition Rating (Last/N (%)  Special Monitor horizontal of Comments for	ow) 66.7/5	5.6	Sufficiency Rating (Last/No (%)	ow) 6	Department	Es	st. Repl. Yr				Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Maintenance Reviewed By	ow) 66.7/5	5.6	Sufficiency Rating (Last/No (%)	ow) 6	Department Comments	Es	st. Repl. Yr				Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Maintenance Reviewed By  Proposed Long-Term Strategy	ow) 66.7/5	5.6	Sufficiency Rating (Last/No (%)	ow) 6	Department Comments	Es	st. Repl. Yr				Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N)	ow) 66.7/5	peams, rus	Sufficiency Rating (Last/No (%)		Department Comments		t. Repl. Yr				Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action	ow) 66.7/5	peams, rus	Sufficiency Rating (Last/No (%)  It stains at beam 20.	Previous A	Department Comments  Date						Yes
Structural Condition Rating (Last/N (%)  Special Comments for Next Inspection  Maintenance Reviewed By Proposed Long-Term Strategy  On 3-Year Program (Y/N) Proposed Action  Previous Inspector's Name	ow) 66.7/5s cracks in trellis b	peams, rus	Sufficiency Rating (Last/No (%)  It stains at beam 20.	Previous A	Department Comments  Date  Assistant's Name		Wade Nannin				Yes