Bridge Inspection																	
Bridge File Num	ber	75332 S	-2 Bridge						Form Type			SG					
Year Built/Year Supstr		1962/19	62					-	Lot No.			2					
Bridge or Town	Name	RED DE	FR						Inspector Name			Owen Salava					
Located Over 2A:16 L1 24.321:2A:16 R1 24.32					21			Inspector Class			BR CLS A						
Located On 2:24 L1 25.889							Assistant Name										
Water Body Cl./	Voor	Z.Z7 L1	20.000						Assistant Class								
Navigabil. Cl./Ye							Inspection Date						18-Mar-2013	3			
		SE SEC	5 TMD 2	9 DGE 3	7 \//1	.,,	Data Entry By						Marcia Chavez				
Legal Land Location SE SEC 5 TWP 38 RGE 27 W4M					Data Entry Date 2					28-Mar-2013							
Longitude, Latitude -113:49:22, 52:1								_	Reviewer Name			John O'Brien					
Road Authority	\		Transport	ation (Ai	1)				Review Date			23-Mar-2013					
Contract Main. A		CMA19) / (DI	· - \				_	Dept. Reviewer Name			Chris Black					
Clear Roadway/	Skew		deg. (Rl	1 F)				_	Dept.	Revie	w Da	te	09-Apr-2013				
AADT/Year			2011 (A)						Follov	v-Up E	Зу						
Road Classificat		RFD-41	2.4-130					-									
Detour Length (I		1			Ι					1.		T					
Allowable Load	(t): Sin		1 63 RDER		Semi		S2 92 SIRDE					S3 131 RDER		> On Critic		าร	
Design Loading:		HS	20												> Primary Span		
									forma								
Required Vert. 0			• • • •	UNDEF	R: 2A L	_1 6.2	2m, 2	4 R1	1 6.2m								
Posted Vertical	I			Yes													
Posted: Lane	NB	On E	ridge (m)	6.2	In Adv	ance	(Y/N)) Y	'es	Lane	SB		On Bridge (m)	6.2	In Advance	(Y/N)	Yes
Remarks	NB sig	gn minor	damage -	legible.													
Required Load F	Posting	(t)		Single					Semi			Truck Train					
Posted Loading	(t)			Single					Semi					Truc	Truck Train		
Posted:	Lane	SB		At Junction (Y/N) No			In	n Adva	nce (Y/N)	No	At Br	At Bridge (Y/N) No		
Posted:	Lane	NB		At June	ction (Y	//N)			In Advan		nce (Y/N)	Y/N)		idge (Y/N)		
Remarks	Not required.																
Hazard Marker	At Bridg	ge (Y/N)	No														
Remarks																	
Other Sign Types Route																	
						U	tilitie	s (Lo	ocate	d at)							
Utility Attachme	nts																
Telephone									Gas								
Power									Municipal Light			t standard @ all corners.					
Others	TV ca		oier #3. Bu	uried fibr	e optic	tic cable under			Problem (Y/N) No								
Remarks	- '		ed SW co	rner curl	o spall	- no											
									h Roa								
						Last		\rightarrow	Explanation of Condition								
Horizontal Align						6			Curve @ West. On crest curve.								
Vertical Alignme						6	(6									
Roadway Width	· ,		12.000														
	Approach Bump				7		7										
Guardrail (Y/N) Yes						None	at NW	/ corn	er.								
Guardrail			7		7												
Length (m) 99.000																	
Current Standard (Y/N) Yes																	
Termination T	уре		Turn D	own													
Drainage						5		5									
Approach Road	d Gene	ral Ratir	ıg			6	(6									

					Supers	tructure				
Bridge Com	nponent			Last	Now	Explanation of Condition				
(Primary Sp	an : RB, 4 Spa	ns, Lengths(m): 14.8-14.9	-14.9-14	.8, A-I	dent Number: A0381-07;A0381-08;A0381-09;A0381-10)				
Special Fea	itures									
Special Fea	ture				Х					
(Type:)										
	Special Feature									
(Type:)										
	rface/Deck Top	Detail Rating	 S							
	N (%)	1 (%)	2 (%)	3 (%)						
Last	0	0	0		0					
Now	15.0	0.0	0.0	0	0.0					
Wearing Su				6	6	Narrow longitudinal cracking over girder lines in deck.				
	Type : CONCR I	FTF)				Trainer longitudinal orderang ever girder in loo in deerd.				
	s(mm) : 50)	LIL)				-				
Deck Top	3(11111) . 30)			N	N					
Беск гор				IN	L IN					
Deck Rideal	bility			6	6					
Deck Joints				3	3	A1-2 & p1-3 jnt missing sections of jnt extrusion & patched with				
	ure (deg. C)	-10				asphalt. Jnt gaps could not be measured this inspection. Extrusion lying at SW guardrail.				
	n Type : GLAN		AUER. TRAN	SFLEX.	ETC))	Gap at P1 & 3 dumping material on P1 & 3 caps - photos.				
(Fixed Typ			,		,	(Gap btwn girder ends at abut jnt 1. 13Sep2011).				
Gap Size		Gan	_ocation			-				
Oap Oize	(11111)	Abut								
		Pier '								
		Pier 2								
Pier 3						-				
						-				
		Abut				-				
Deals Drains				4	1	NIs dusing				
Deck Draina				4	4	No drains. Rust stains and debris below pier joint.				
Drains Cic	ogged (Y/N)					Ice on abut seat with rusty bearings.				
Curbs/Media	an			4	4	Cracked at SW corner of W abut exterior.				
(Curb Typ	e : Standard)					Heavy scaling on S1 E curb top. Spalling S4 S curb & S1 S behind 3rd post from A1.				
Scaling (P	ercent Area)	1				Spall at post E curb at S parapet (photo).				
Bridge Rail				6	6	Retrofit rail installed.				
(Type : G /	ALVANIZED S	TEEL BRIDGI	E TUBE)			Some bolts do not leave enough thread for nuts. Approx 40% are 2 threads below top of nuts of original rail.				
Bridge Rail I	Posts			6	6	a modulo bolow top of hate of original fails.				
(Type : GA STEEL)	ALVANIZED P	OST STEEL;	SALVANIZED	POST						
	Posts Coating			7	7					
	ALVANIZED)									
Sidewalk	,			Х	Х					
Girder/Bear	n									
Cover Pla	te			7	7	Slight sag in bottom flange of S2-3, typical.				
Flange				5	5	Small nicks with corrosion in bottom flange of S1G1,4.				
Web				7	7					
Stiffeners				7	7					
Splice				7	7					
Weld				7	7					
Diaphragms	/Cross Frame			7	7					

			Supers	tructure				
Bridge Component			<u> </u>	Explanation of Condition				
	 Lenaths(m): 14.8-14			dent Number: A0381-07;A0381-08;A0381-09;A0381-10)				
Paint Condition		4	4	Superficial corrosion @ girder ends on bottom flanges, 5% of all				
(Colour Description : RED)				girders.				
(Colour Code : 21310)								
Touchup Required (Y/N)	No							
Bearings		4	4	Broken anchor bolt at NE corner.				
Temperature (deg. C)	5		'	District and the solid at the solid in				
(Expansion Type :)	10							
(Fixed Type : NEOPRENE S	TRIP REARING)							
Coating Adequate (Y/N)	No No							
Functioning (Y/N) Yes				All bearings appear to be rusted.				
Deck Underside	100	5	5	Numerous repair patches and jackhammer spall.				
Stains (Percent Area)	1	3	J	Transfere repair pateries and javidianinies spair.				
Span Alignment Problems Vertical (Y/N)	No			(Bearing deflect not in load path. 13Sep2011).				
Horizontal (Y/N)	No			(bearing deflect not in load path. 155ep2011).				
`								
Superstructure General Ratir	ıg	4	4					
		ı	Subst	ructure				
Bridge Component		Last	Now	Explanation of Condition				
Abutments								
Bearing Seats/Caps		5	4	Cracks to W bearing cap at G2,3.				
(Type : CONCRETE)								
Backwalls/Breastwalls		5	5	Corrosion stains at SW corner.				
Wingwalls			6					
Piles			N					
Paint/Coating		5	5					
Abutment Stability		5	5					
Scour/Erosion			4	W hslp patched but still eroding.				
Piers/Bents								
(Type : PIER-COLUMN)				Debris on piers from leaky jnts.				
Bearing Seats/Caps		6	6					
(Type : CONCRETE)								
(Total Number of Bearing Piles	: 2:2:2)							
Pier Shaft/Piles		6	6					
Bracing/Struts/Sheathing		Х	Х					
Nose Plate		Х	Х					
Paint/Coating		X	3	Rust stains on face of piers below joint.				
(Colour Description :)				Peeling on all piers.				
(Colour Code :)								
Pier Stability		7	7					
Scour		X	X					
Debris (Y/N)	Yes			Debris on P1 & 3 caps.				
Substructure General Rating		5	4					

	Structure Usage											
		Last	Now	Explanation of Condition								
Grade Separation												
Road Alignment			6									
Traffic Safety Features		6	6									
Туре	Concrete parapet											
Slope Protection		5	5	Slope protection on S hslp only separating from breastwall.								
(Type : NONE; CONCRETE)												
Bank Stability			4	Erosion at NW has exposed underside of seat.								
Drainage			5									
Grade Separation General Rati	ng	5	4									

75332 S-2 Bridge

			Maintenance R	ecommend	ations								
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #			
REPAIR/REPLACE BRIDGE RAIL					·								
GALVANIZE/PAINT BRIDGE RAIL													
RETROFIT BRIDGE RAIL													
SEAL CURBS		2013	Patch spalled S curb, 0.5m3 OH-V.										
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK JOINTS		2015	Replace 5 joints - damage too exter	nsive.									
RESET/ PAINT BEARINGS		2015	Replace broken anchor bolt; paint b	earings.									
REPAINT SUPERSTRUCTURE		2015	Touch-up girder ends & diaphragms	 S.									
STRAIGHTEN/REPLACE MEMBERS	S												
WASHING		2013	Clean pier tops.										
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROS	SION												
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION		2013	Seal gap at S slope & breastwall.										
OTHER ACTION		2013	Epoxy W abut seat cracks.										
OTHER ACTION		2013	Scrape off loose sealer & recoat pie	ers.									
OTHER ACTION		2013	Fill under seat & against breastwall	at NW.									
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/N	Now)	50.0/44	.4 Sufficiency Rating (Last (%)	/Now)	58.9/54.8	Est. Repl. Yr	2030	Maint. Re	eqd. (Y/N)	Yes			
Special No repair required Comments for Next Inspection	for nicked	d botton	n flange at this time.		Department Comments								
Maintenance Reviewed By					Date		E	Estimated Tota	I 0				
Proposed Long-Term Strategy	2014-R	ehab											
On 3-Year Program (Y/N)													
Proposed Action	2009.12	2.14 Se	al Cracks and Decks in 2010. RS										
Previous Inspector's Name	Owen S	Salava		Previous	: Assistant's Name								
Next Inspection Date	18-Dec	-2014		Previous	Inspection Date	13-Sep-2011							
Inspection Cycle (Default) (months)	21				,								
Comment													
Commont													