NBI No.:			tion - Bridge	'		
			ocal ID:	Suff. R		FO
10965	0706 0	1000 X	035		2.30 ECTION	
Bridge Description. ———	IFICATION		Type Insp. F		Freq. Insp. Date	Next Insp.
250ft. HI. TRUSS, 63-61ft., STEEL GIRI	DER 23-35ft. T	OWER SPANS	NBI:		months 8/12/2021	08/12/2023
(ROOSEVELT B RID			FC: Y		months 8/12/2021	8/12/2023
1. State: Oklahoma 7. Fac	cility Carried :	U.S. 70	UW: Y		months 8/31/2020 months 7/15/2020	8/31/2025 8/12/2022
		AKE TEXOMA(ROOSEVELT) MARSHALL CO. LINE	os: Y		IFICATION	0/12/2022
4. City: Unknown	11. Mile Post:	12.439 mi	12 Base Hwy Net	On Base Network		bridge exists
Admin Area: Unknown		/ Sub Rte: 0700006H≯ / 00	20. Toll Facility:	On free road		y traffic
5a. On/Under: Route On Structure	16. Latitude:	33° 59' 55.05"	21. Custodian: Sta			pplicable (P)
5b. Kind of Hwy: U.S. Hwy 5c. Lvl of Srvc: Mainline	17. Longitude:	096° 38' 03.70" lg: Unknown (P)	22. Owner: Sta	ate	1.0 1.1 11117 07010111.	e NHS
5d. Route No.: 00070	% Responsible			3: 02 Rural Other Princ		
5e. Dir. Sufx: N/A (NBI)		lg #: Unknown		Br eligible for NRHP lot a STRAHNET hwy	110. Defense Hwy: Not a 112. NBIS Length: Long	
STRUCTURE TYP			100. Del. Hwy.		DITION	Lilougii
43a/b. Main Span:		Truss-Thru	58.Deck: 5 Fair	59.Sup.: 5		Satisfactory
44a/b. Appr. Span:	Steel /	Stringer/Girder	62.Culvert: N/A (1 '		•
45. # of Main Spans:			Flowline Notes			
46. # of Appr. Spans: 86 107. Deck Type: Concrete-Cas	st in Place		There is no signifi	cant local or general sc	our at the time of the inspec	ction.
107. Deck Type: Concrete-Cas 108a. Wearing Surface: Monolithic Co			The pile supporte	d footings were below g	rade at the time of inspection	on.
108b. Membrane: Unknown					G AND POSTING	
108c. Deck protection: Unknown			31. Design Load:	M 18 (H 20)		3/25/2014
•	ID SERVICE		41. Post. Status: 70. Posting:	A Open, no restrictio 5 At/Above Legal Lo		
19. Detour Length: 39.1 mi	106. Year Rec	onst.:	63.Op / 65.Inv. Ra		oad Factor / 1 LF Loa	ad Factor
27. Year Built: 1948	109. Truck AD	·		_ н_	HS 3-3 EV3	SHV
28a/b. Lanes on/und: 2 / 0			64. Operating Rati	ing (tons): 23.00	40.70 67.50 0.00	0.00
29. ADT: 7,800 30. Year of ADT: 2020			66. Inventory Ratii	ng (tons): 13.60	24.40 40.50	
30. Year of ADT: 2020 42a/b. Type of Svc on/und: Highway	,	Waterway		<u>APPI</u>	RAISAL	
		· · · · · · · · · · · · · · · · · · ·	36a. Brdg Rail:	0 Substandard		olerable - Replace
	TRIC DATA	vlk Width I · 2.50 ft	36b. Transition:	Substandard Meets Standards	69. Vert./Horiz. Undclr: N 71. Waterway Adeq: 5 A	vot applicable (Ni shove Tolerable
TO. VOIL GIOGRAFICO.	50a. Curb/Sdv 50b. Curb/Sdv	· · · · · · · · · · · · · · · · · ·	36c. Appr. Rail: 36d. Appr.Rail End			
''' '	51. Width Curl		67. Str Evaluation			
34. Skew: 0.00°	52. Width Out			PROPOSED II	MPROVEMENTS	
35. Struct. Flared: No flare 47Horizontal Clr: 24.00 ft	Deck Area		94. Bridge Cost:	\$14,323,474	75. Type of Work: 31 Re	pl-Load Capacit
47Horizontal Clr: 24.00 ft 48. Length Max Span: 250.00 ft	53. Min.Vert.C 54a.Min.Vt.Un		95. Roadway Cos		76. Lngth of Improvement	: 4,942.9 ft
49. Struct. Length: 4,942.91 ft	54b. Min. Vert	doi::(oi	96. Total Cost:	\$19,888,954	114. Future ADT:	12,480
	55a. Min.Lat.U		97. Yr.of Cost Est.		115. Yr.of Future ADT:	2040
	55. Min.Lat.Ur		38. Nav. Control:	NAVIGA Permit Not Required	TION DATA ₁	
l	56. Min.Lat.Ur		39. Vert. Clearance			Not Required
200c. Temperature: 90	OKLAHOMA	<u>A ITEMS</u>	40. Horiz. Clearan	ce: 0.0 ft	116. Lift Bridge Vert. Clr.:	0.0 ft
200d. Weather: Clear		214a. Posted Weight Limit:	NR	244 Span Lan-Ha		
	-1 / -1	b. Posted Speed Limit:	N	244. Span Length	15.	
202. Waterprf.Membrane: -1 Date Installed: 01/01/1901		c. Narrow/1way Brdg Sign:	No	24E Cirolan Daniti	•	
203. Type Exp. Device: Open Joint-		d. Vertical Clr. Sign:	Yes	245. Girder Depth 246a. Type of Ove		
Sliding Plate	ag (other)	Adv. Warning Sign: e. Navigation Lights?:	No Yes	b. Overlay Thick	,.	
204. Type of Railing: Metal Railir 205. Material Quantity: -3.00	ig (otner)	e. Navigation Lights?. Working/Not Working:	Yes	c. Overlay Date: d. Ovly Depth C		
208a. Type of Abutment: Skeleton			S. HIGHWAY	247. Protective Sy	-	
b. Type of Found.: Concrete P	•	218. Functionally Obsolete :	FO			
209. Type of Pier/Found.: 2 / Concrete P	No Vilina	220. Bridge Redecked	-			
210. Foundation Elev.: -1.00	-1.00	221. Substr.Cond.(U/W): Sat 222. Fill Over RCB:	tisfactory Condition	248. # Field Splice	es w/ Corrosion 0	
-1.00 -1.00	-1.00	223. Appr.Slab/Rwy Cond.:	3	249. Scour Crit. P		
1 1 1.00 1			organic Zinc 2Coat S		l: 0007 5"	
211. Wear.Surf.Prot.Svs: None		N/A		258. Plans w/Four 259. Scour Eval. i		
211. Wear.Surf.Prot.Sys: None Date Installed: 01/01/1901		226. Date Painted: 202		263. Interchange		
Date Installed: 01/01/1901 211c. Silane Reapplied						
Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date :	_	227. Paint Color: Silv		264. Interstate Mil	epoint:	
Date Installed: 01/01/1901 211c. Silane Reapplied		227. Paint Color: Silv 233. Deck Forming: Col	ver nventional Forming rrent bus route	264. Interstate Mil	epoint:	
Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date :		227. Paint Color: Silv 233. Deck Forming: Col 238. School Bus Rte.: Cul	nventional Forming	264. Interstate Mil	epoint:	
Date Installed: 01/01/1901 211c. Silane Reapplied 211d. Date :		227. Paint Color: Silv. 233. Deck Forming: Col. 238. School Bus Rte.: Cul.	nventional Forming rrent bus route	264. Interstate Mil	epoint:	

<u>NBI No.:</u> 10965			<u>Structure No.:</u> 0706 0000 X		<u>Suff. Rating:</u> 42.30	FO
Inspection Date:	8/12/21		Brendan Prendevil	le		
Invoice No.:	Submittal 106	Inspected With:	-1			

BRIDGE NOTES:

250' Riveted Thru Truss (Span 71), Sixty-three (63) - 61' twin girder spans, and Twenty-three (23) - 35' twin girder spans

Other Special Inspection Items Include:

- · Spalling along the underside of the joints for holes developing through the deck.
- Joints near the abutments for signs of movement due to the abutment joints being fully closed.
- Plug welds in the tension flange of the approach girders for the development of cracks (locations noted in Appendix A: Plug Welds).
- · Cracks in the welded utility brackets for propagation into the base metal at:
 - o Span 72, girder 2 between FBs 4 and 5.
 - o Span 73, girder 2 between FBs 2 and 3.
 - o Span 77, girder 2 at FB 2.
 - o Span 79, girder 1 west of FB 5.
- · Cracks in the sharp stringer connection copes in the truss span (span 71) at:
 - o Stringer 4, west face of FB 1 (3/8 inch).
 - o Stringer 1, west face of FB 8 (1/8 inch).
 - o Stringer 4, east face of FB 9 (1/4 inch).
- Sister FBs not tight against the deck:
 - o FB 7, span 28.
 - o FBs 0, 2 and 3, span 38.
 - o FBs 0 and 2, span 39.
- Lap in the bottom flange of FB 3, span 15 for signs of distress.
- Cracks in the fillet welds between the vertical members and fill plates in span 71 at south U4, U6 and U8, and north U2, U4, U6 and U8 for
 propagation into the member.
- Girder bearings locations where undermining of the grout material has occurred.

NOTE: Underwater Inspection. (PIERS 76 - 87)

The underwater inspection was conducted on August 04, 2015. The weather was clear with temperatures up to 97F. The water temperature was approximately 89F. There was no measurable flow at the bridge, and the average visibility was 3 feet.

Access to the water was gained by a boat ramp located 2 miles to the east of the bridge.

The water elevation during the inspection was at ELEV. 631.1 obtained from the Monthly Lake Report from the Corps of Engineers. The water elevation remained unchanged for the duration of the inspection.

See underwater inspection report for further details

OVERLOAD TRAFFIC RESTRICTED BY WES KELLOGG 05/26/20201 BY WES KELLOGG DUE TO SECTION LOSSES TO FLOOR BEAM MEMBERS.

ſ	NBI No.:	Structure No.:	Local ID:	Suff. Rating:	F0
Į	10965	0706 0000 X	035	42.30	го

INSPECTION NOTES: 8/12/21

U/W 2020 General Notes: The substructures in the waterway are in satisfactory condition. The columns and struts have random areas of voiding.

PX

- Reattach the bridge railing post connections to the deck.
- Repair the rail post connection at:
 - North rail at floor beam 3, span 39 damaged connection to floor beam.
 - North rail at floor beam 5, span 39 missing bolts at connection to floor beam.
 - o South rail at floor beams 4 and 5, span 72 missing bolts at connection to floor beam.
 - o South rail at floor beams 2 and 4, span 82 broken weld between post and anchor plate to curb.
 - South rail at floor beams 2, 3 and 4, span 82 missing bolts at rail connections to posts.
 - o South rail at floor beam 3, span 83 missing bolts at rail connections to post.
 - North rail at floor beam 5, span 83 missing bolts/weld at connection to floor beam.
 - Seal joints in deck to prevent further deterioration of the concrete and steel below.
- · Clean and paint the floor beams under the expansion and fixed joints to prevent further deterioration and section loss.
- Install sister floor beams at all locations noted in rehabilitation plans and at floor beam 1, span 25 and floor beam 2, span 74 where significant section loss was observed in the top flange.
- · Install additional shims between sister floor beams and girder to make tight against the deck at:
 - Floor beam 7, span 28.
 - o Floor beams 0, 2 and 3, span 38.
 - o Floor beams 0 and 2, span 39.
- Repair the corrosion holes through the lower lateral bracing gusset plates in span 72 over pier 71.
- Remove debris collecting inside the lower chord members in span 71.

FX - Monitor

- · Spalling along the underside of the joints for holes developing through the deck.
- · Joints near the abutments for signs of movement due to the abutment joints being fully closed.
- Plug welds in the tension flange of the approach girders for the development of cracks (locations noted in Appendix A: Plug Welds).
- Cracks in the welded utility brackets for propagation into the base metal at:
 - o Span 72, girder 2 between floor beams 4 and 5.
 - o Span 73, girder 2 between floor beams 2 and 3.
 - o Span 77, girder 2 at floor beam 2.
 - o Span 79, girder 1 west of floor beam 5.
- Cracks in the sharp stringer connection copes in the truss span (span 71) at:
 - o Stringer 4, west face of floor beam 1 (3/8 inch).
 - o Stringer 1, west face of floor beam 8 (1/8 inch).
 - o Stringer 4, east face of floor beam 9 (1/4 inch).
- Stringer to floor beam connections in span 71 for distress from pack rust.
- Lap in the bottom flange of floor beam 3, span 15 for signs of distress.
- Truss web members and truss connections at the gusset plates for signs of distress or cracking as a result of past impact damage to the sway struts.
- Cracks in the fillet welds between the vertical members and fill plates in span 71 at south U4, U6 and U8, and north U2, U4, U6 and U8 for
 propagation into the member.
- Girder bearings for further undermining of the grout material.
- Missing and/or bent anchor bolts at the expansion bearings for signs of lateral displacement.

ELEMENT CONDITION STATE DATA

ELEMENT	CONDITION STATE DATA										
Elem. / Env	Description	Unit	Total Qty	% 1	Qty. 1	% 2	Qty. 2	% 3	Qty. 3	% 4	Qty. 4
12 / 1	Re Concrete Deck	sq.ft	118,608.00	0%	0.00	92%	109,380.30	8%	9,227.70	0%	0.00
Tra	nsverse cracks up to 1/16 inch wide, sp	alls and	asphalt patch	es in tru	ss span. Dia	agonal cr	acks up to 1/	16 inch s	ide in span	41. Shal	low
spa	alls typical along edge of unarmored fixe	ed joints	. Concrete pat	ches in	span 39 (pre	vious as	phalt patches	replace	d with concre	ete). Spa	alls
with	h exposed reinforcing steel in the face of	of both c	urbs, most pre	valent in	spans 47 th	rough 68	Vertical off	set betw	een spans a	t the fixe	d
join	nts at pier 11 (3/4 inch), pier 64 (3/8 inch	n) and pi	ier 75 (1/4 inch).							
107 / 1	Steel Opn Girder/Beam	ft	7,608.00	0%	0.00	46%	3,508.00	54%	4,100.00	0%	0.00
Fre pac	an 73 girder 2 between FBs 2 and 3, Sp etting corrosion between FB knee brace ck rust. Corrosion and pitting of girder ε mponents.	s and gi	rder top flange	. Pack r			•	•	•		under
515 / 1	Steel Protective Coating	sq.ft	2,800,990.00	0%	0.00	100%	2,800,990.0	0%	0.00	0%	0.00
	PX – Active corrosion and section loss										
	The paint system on the thru-truss is o	-			•	ed prime	r and minor s	urface c	orrosion. Sp	ans 1	
	through 12 were painted in 2020 and	pans 13			_						
113 / 1	Steel Stringer	ft	600.00	0%	0.00	98%	588.00	2%	12.00	0%	0.00

	NBI No.:	· · · · · · · · · · · · · · · · · · ·	ucture No.:		Local II	<u>):</u>	<u>s</u>	uff. Rating	Ŀ		FO
	10965		06 0000 X		035			42.30			
	Isolated areas of strin							1 = = T	20/		
152 / 1		Toor Beam	-	27.00 32%	5,805.00	39% 6,978	.00 29%	5,144.00	0%	0.00	
	Strengthening project	•	•								
	PX – Section loss of F			•		•	•				
	plans for sistering incl	•	•			-					
	Span 28 FB4, Span 3		; 0 and 4); Sister	r FBs not tight aឲ្	gainst deck	after shimmed in	place (Span 2	6 FB7, Spa	n 38 FBs 0,	2	
	and 3, Span 39 FBs 0	,									
	FX - 1/2-inch lap in b					ace (Span 16 FE	s 4 and 5, Spa	an 36 FBs 0	and 4, Spa	an	
	69 FB7); Pack rust a		•	•							
	Slight lateral misalign	·	•	•	FB ends bei	nt where railing e	xperienced co	llision dama	ige; Pack ru	ıst	
	typical between deck								20/		
162 / 1		ius Plate		.00 0%	0.00	98% 78.0		2.00	0%	0.00	
	MEMBER ALIGNMEN	•	•	• •					usset plate	to	
	bow 1/8 inch at few lo										
205 / 1		nc Column		2.00 0%	0.00	100% 172.0		0.00	0%	0.00	
	32-inch horizontal by			n pier 18 at east	face below	girder 1, span 19	bearing. Abr	asion due to	wave action	on	
	is prevalent on most b										
215 / 1	Re Con	c Abutment	ft 59	.00 85%	50.00	15% 9.0	0%	0.00	0%	0.00	
	Roadway debris and	spalled deck concret	e are present or	n abutment seat	6.						
	The backwall at the e	ast abutment is tilted	I slightly inward	(to the west); like	ely as a resi	ult of combined e	arth pressure	and potentia	al approach		
	pavement growth/pres	sure. The backwall	is contacting the	e edge of the de	ck; limiting	further expansior	of the supers	tructure tho	ugh no		
	cracking or spalling w	as noted. The west a	abutment backw	/all is s <u>i</u> milarly in	contact with	the deck.					
234 / 1	Re Cor	nc Pier Cap	ft 1,79	94.00 86%	1,544.00	14% 250.	00 0%	0.00	0%	0.00	
	32-inch horizontal by	6-inch vertical by 3-i	nch deep spall in	n pier 18 at east	face below	girder 1, span 19	bearing.				
	Spalled deck concrete	from the underside	of the expansio	n joints is prese	nt on few pie	ers (concrete clea	aned from cap	s each insp	ection).		
304 / 1	Open Exp	pansion Joint	ft 638	3.00 0%	0.00	100% 638.0	00 0%	0.00	0%	0.00	
	PX – Deteriorated joir	ıt filler allows joints t	o leak.								
	FX – Joints closed at	abutments and cove	red with asphalt	t runoff from app	roach pavei	ment.					
	Spalling in underside	of joints is typical. S	shallow spalls ex	kist along sliding	plate joints.						
311 / 1	Moveal	ole Bearing	each 174	4.00 0%	0.00	97% 168.	00 3%	6.00	0%	0.00	
	FX - Past underminin	g of grout pads has	been mitigated v	with shim plates	welded to th	ne masonry plate	s; Anchor bolt	s missing at	numerous		
	bearings.										
	Bearings typically cen	tered or in expansio	n at 80F. Bearin	ngs slid east at S	Span 22 piei	· 22, Span 34 pie	r 34, Span 57	pier 57, Spa	an 68 pier 6	8,	
	Span 72 pier 72.										
313 / 1	Fixed	l Bearing	each 174	4.00 0%	0.00	97% 168.0	00 3%	6.00	0%	0.00	
	FX – Past underminin	g of grout pads has	been mitigated v	with shim plates	welded to the	ne masonry plate	s; Anchor bolt	s missing at	numerous		
	bearings.		-								
321 / 1		Approach Slab	sq.ft 2.	00 0%	0.00	100% 2.00	0%	0.00	0%	0.00	
	Asphalt approach pay	ement has 1/4-inch	wide unsealed of	cracks at approx	mately 15-f	oot spacing. Ligh	nt density of m	ap cracking	exists in the		
	wheel lines with mino							·			
	approach.	J									
330 / 1		idge Railing	ft 9,88	35.00 0%	0.00	50% 4,942	.50 50%	4,942.50	0%	0.00	
	PX – Approximately 3	3% of the railing pos	st bolts to vertica	al face of deck a	e sheared o	or severely bent:	Significant im	npact dama	ne exists at		
	North railing span 39						_				
	ineffective), North rail		-				· .				
	FB1 web heavily disto										
	spans 82 and 83 repla			•		•	•			•	
	83 FB3, Rail post con	,			, r, masmig	. an connection t	one at opan o	_ , _ , _ , _ ,	a + ana 0	- P-G11	
919 / 1) Prot. Coat	(SF) 462,8	·	0.00	46% 212,80	3.00 54%	250,045.00	0%	0.00	
J 1 J / 1		·	, , , , , , , , , , , , , , , , , , ,	0,0	0.00	1575 212,00	0470	_30,040.00	0,0	0.00	
			saat damaaa								
821 / 1		paint in areas of imp russ (Ovhd)		0.00 99%	494.00	0% 0.00) 1%	6.00	0%	0.00	

	NBI No.: 10965	_	tructure No			Local II 035	<u>D:</u> 		<u>S</u>	uff. Rating 42.30	<u>g:</u> 		F
	Upper Chord and End Weathered and peeling		prime coat a	nd surface	corrosion.								
	Lower Chord												
	PX – Bird waste inside	e lower chord.											
	Random areas of pitti	ng inside lower ch	nord with activ	ve corrosio	n.								
	Web Members												
	FX -Impact damage to	sway bracing ha	s bent vertica	als (zero fo	rce and tens	ion membe	ers) Verti	cals heat s	traightene	d [.] Fillet we	lds betwee	en.	
	verticals and fill plates			•			,		•				
	Bracing PY Corresion holes	through lower let	oral bracing c	useet plate	s for span 7	2 at pior 7	1						
	PX – Corrosion holes East portal bracing ha	-			•	•		oottom stru	ut. Swav b	racing repl	aced prior	to	
	2011 inspection after					,	g				p		
359 / 1		Soffit	(EA)	1.00	0%	0.00	0%	0.00	100%	1.00	0%	0.00	
	FX – Spalling in unde		-	_	o:								
	Deck lifting from end lifting FBs and stringer ends		evers due to	pack rust.	Spalling and	d spalls for	ming comr	non in the	overhangs	s. Spalls a	re typical o	ver	
365 / 1		Gird End(5Ft	(LF)	1,720.00	47%	800.00	54%	920.00	0%	0.00	0%	0.00	
	Sporadic patches of fi	· · · · · · · · · · · · · · · · · · ·	, most preval	ent on exte	rior faces ne	ear joints, e	exist through	hout the g	jirders. Su	rface corro	sion exists	at	
	approximately 30 per		ends. Isolated		$\overline{}$				beam end				
370 / 1		te Wingwall	(EA)	4.00	100%	4.00	0%	0.00	0%	0.00	0%	0.00	
377 / 1	Embankment erosion	ger End(5Ft)	(LF)	the northea	ast wingwaii.	0.00	of underm	388.00	3%	12.00	0%	0.00	
7771	FX – Sharp copes are	. ,	. , ,						-				
	vertical crack), Stringe			-		-			-				
	Joint support extension			_	•			-		-			
	• • •		•				•	, ,					
	extension at FB10).												
909 / 1		e Fix Jt.Seal	(LF)	2,175.00	0%	0.00	0%	0.00	99%	2,146.00	1%	29.00	
909 / 1													
909 / 1	PX – 2-foot by 4-inch fixed joints over the p	hole through the ers and floor bea	deck at the ed	dge of the f ss span. Th	ixed joint at ne filler is mi	pier 49; A ssing and/	sphalt-imp or heavily	regnated b	ooards are ed at all loc	used as jo ations allov	int filler at t	the	
909 / 1	Pourable PX – 2-foot by 4-inch fixed joints over the p pour freely on to the s	hole through the elers and floor bea	deck at the ed ms in the trus re, bearings,	dge of the f ss span. Th and pier ca	ixed joint at ne filler is mi	pier 49; A ssing and/ ebris build	sphalt-imp or heavily of l-up is light	regnated b	ooards are ed at all loc	used as jo ations allov	int filler at t	the	
	Pourable PX – 2-foot by 4-inch fixed joints over the p pour freely on to the s Spalling of the unders	hole through the ers and floor bea teel superstructui ide of joints is typ	deck at the ed ms in the trustre, bearings, so bical at most e	dge of the f ss span. Th and pier ca expansion j	ixed joint at ne filler is mi ps below. Doints through	pier 49; A ssing and/ ebris build nout the br	sphalt-imp or heavily o I-up is light idge.	regnated b deteriorate to modera	ooards are ed at all loc ate in the jo	used as jo ations allov pints.	int filler at t	the age to	
	Pourable PX – 2-foot by 4-inch fixed joints over the p pour freely on to the s Spalling of the unders St. Crac	hole through the liers and floor bea teel superstructur ide of joints is typ king/Fatigue	deck at the ed ms in the trus re, bearings, soical at most ed (SF)	dge of the f ss span. Th and pier ca expansion j 1.00	ixed joint at the filler is mit ps below. Doints through	pier 49; A ssing and/ bebris build nout the br 0.00	sphalt-imp or heavily of l-up is light idge.	regnated bedeteriorated to moderate	poards are ad at all locate in the jour	used as jo ations allov bints.	int filler at t	the age to 0.00	
	Pourable PX – 2-foot by 4-inch fixed joints over the p pour freely on to the s Spalling of the unders St. Crac FX – Sharp copes in s	hole through the ders and floor beateel superstructuride of joints is typking/Fatigue	deck at the ed ms in the trus re, bearings, pical at most e (SF)	dge of the f ss span. Th and pier ca expansion j 1.00 racks noted	ixed joint at ne filler is mi ps below. Doints through 0%	pier 49; A ssing and/o ebris build nout the br 0.00] 4 to FB0 w	sphalt-imp or heavily of l-up is light idge. 100%	regnated bedeteriorated to moderate 1.00 s/8-inch ve	ooards are ad at all locate in the journal one of the control of t	used as jo ations allow bints. 0.00 a), Stringer	int filler at twing draina	the age to 0.00	
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<u>NBI No.:</u> 10965	<u>Structure No</u> 0706 0000		Local ID: 035	<u> </u>	Suff. Rating: 42.30		FC
PX – Active corros	on and section loss exist at FBs	not recently painted.	The end floor beams t	ypically exhibit more	deterioration than the	,	
interior. Currently	the section loss does not significa	antly affect the capaci	ty of the bridge. See t	he floor beam eleme	ent for specific location	s;	
1/2-inch edge loss	to the end floor beam top flange	with adjacent knife ed	ging exists in isolated	locations throughout	t the girder spans.		
Isolated beam end	s exhibit 1/4-inch deep active pitt	ing to the beam ends.	Lower chord membe	rs exhibit random ar	eas of 2-inch diameter	· x	
1/16-inch deep pitt	ng.						
68 / 1	rosion SF (EA)	1.00 100%	1.00 0%	0.00 0%	0.00 0%	0.00	
Embankment eros	on has exposed the back face of	the northeast wingwa	II. No signs of under	mining were observe	d.		
72 / 1 Loss	of Bearing SF (EA)	38.00 0%	0.00 92%	35.00 8%	3.00 0%	0.00	
FX – Undermining	of the grout pads for the girder s	oan bearings have be	en repaired with shim	plates. Locations an	d measurements of		
undermining are lis	ted below:						
Span 1; W. Abut;	South Girder; 5/8-inch						
Span 1; W. Abut;	North Girder; 7-inch						
Span 6; Pier 6; So	uth Girder; 3/4-inch						
Span 10; Pier 10; I	North Girder; 1-inch						
Span 12; Pier 12; I	North Girder; 3/8-inch						
Span 14; Pier 13	South Girder; 3/4-inch						
Span 14; Pier 14	South Girder; 1/2-inch						
Span 14; Pier 14	North Girder; 3/4-inch						
Span 18; Pier 17	North Girder; 1-inch						
Span 18; Pier 17	South Girder; 1/4-inch						
Span 18; Pier 18	South Girder; 7/8-inch						
Span 18; Pier 18	North Girder; 1/2-inch						
Span 26; Pier 26	North Girder; 1/2-inch						
Span 29; Pier 28	South Girder; 1-inch						
Span 34; Pier 34	South Girder; 3/8-inch						
Span 80; Pier 80	North Girder; 3/4-inch						
Span 82; Pier 82	North Girder; 1-inch						
Span 83; Pier 83	North Girder; 1-inch						
Span 84; Pier 84	North Girder; 1-inch						
75 / 1 Supple	emental Support (EA)	4,500.00 100%	4,500.00 0%	0.00 0%	0.00 0%	0.00	
Sister FBs are beir	g installed adjacent to the end F	Bs and FBs with signi	ficant loss.				
PX - Several sister							