

## **Structure Inventory and Appraisal**

Bridge ID: HANC		Official		51.6	SD/EO: No	t Deficient or Obsolete
-						
FHWA No.: 12932	20	Unofficial	SR:	51.6	SD/FU: No	t Deficient or Obsolete
	IDENTIFICATION	Ý		INSPE	ECTION	
7 Facility Carried:	LOCAL	90 Inspection Date:	05/08/2014		Inspection Type:	N/A
5B Rte. Signing Prefix:	4	Next Routine Insp Date:	05/08/2016		91 Frequency:	24
5C Level of Service:	1 - MAINLINE				Next Insp Type:	Regular
5D Inventory Route:	00000	Inspection Agency:	2 - County		Inspection Group:	Crawford County
City:	RURAL	93A FC Inspection Date:				
3 County:	024 - Crawford	92A FC Frequency:	0		Next FC Insp.:	NA
9 Location:	084400804	93B UW Inspection Date	:			
5E Directional Suffix:	0 - NOT APPLICABLE	92B UW Frequency:	0		Next UW Insp.:	NA
6 Feature Intersected:	EAST SOLDIER RIVER	93C SI Date:				
2 District:	0	92C SI Frequency:	0		Next Spec. Insp.:	NA
Garage:	000	Other Non-NBI Date:				
98 Border Bridge Code:		Other Non-NBI Freq.:			Next Other Insp.:	NA
% Responsibility:	0			CON	DITION	
99 Border Bridge No.:		58 Deck:	6 - Satisfad		inor deterioration)	
	CTURE TYPE AND MATERIALS	59 Super:	6 - Satisfad	ctory Condition (m	inor deterioration)	
	3 - Steel	60 Sub:			ninor deterioration)	
	02 - Stringer/Multi-beam or Girder	61 Channel/Channel Prot			,	
45 No. Spans Main Unit:	-				minor damage	
•	000 - NA	62 Culvert:	N - Not Ap	plicable		
44B Appr. Span Design:					RAISAL	
	Near 0 Far 0	67 Str. Evaluation:	4 - Meets r	minimum tolerable	e limits	
	8 - Wood or Timber	68 Deck Geometry:	7 - Better t	han present minir	num criteria	
		69 Underclear Vert & Hor	riz: N - Not ap	plicable		
108A Wearing Surface:		71 Waterway Adequacy:	5 - Occasi	onal Flooding - Si	gnificant Delays	
	0 - None	72 Approach Alignment:	6 - Equal te	o present minimu	m criteria	
108C Deck Protection:	0 - None	36A Bridge Rail:	0 - DOES N	OT MEET CURREN	NT SAFETY STANDARD	S, OR IS NOT THERE AND IS NEEDED
	GEOMETRIC DATA	36B Transition:	0 - DOES N	OT MEET CURREN	IT SAFETY STANDARDS	, OR IS NOT THERE AND IS NEEDED
48 Length Max Span:	60 ft.	36C Approach Rail:	0 - DOES N	OT MEET CURREN	IT SAFETY STANDARDS	, OR IS NOT THERE AND IS NEEDED
49 Structure Length:	103 ft.	36D Approach Rail Ends:	0 - DOES N	OT MEET CURREI	NT SAFETY STANDARD	S, OR IS NOT THERE AND IS NEEDED
34 Skew:	0°	113 Scour Critical:	3 - Scour (	Critical - Unstable		
Deck Area:	1637.7 sq. ft.			LOAD RATIN	G AND POSTING	
50B Curb/Sdwk Width R:		· · · · · ·	- Unknown			
50A Curb/Sdwk Width L:	0 ft.	•		ress (AS) reporte	d in english tons using	HS-20 loading.
51 Width Curb to Curb:	15.0 ft.	5 5	1.7 Tons - Allowable St	ress (AS) reporte	d in english tons using	HS-20 loading
52 Width Out to Out:	15.9 ft.	Ũ	4.5 Tons		a in origion tono doing	110 20 loading.
32 Appr. Roadway width:	22 ft.			pelow legal loads		
(w/ Shoulders)		41 Posting Status: P	- Posted for L			
33 Median:	0 - No median		1010	AGE AN	D SERVICE	<u>,</u>
35 Structure Flared:	00 - No flare	27 Year Built:	1940		Design No.:	0
10 Vertical Clearance:	99'99"	106 Year Reconstructed:				
47 Horiz. Clearance:	16'00"	42A Type of Service on:	1 - Highwa			
53 Min. Vert. Clearance	Over: 99'99"	42B Type of Service Und		ay		
54B Min. Vert. Underclea	arance: 00'00"	28A Lanes on:	1		28B Lanes under:	0
55 Min. Lat. Undercleara	nce R: 00'00"	29 ADT:	10		30 Year of ADT:	2012
56 Min. Lat. Undercleara	nce L: 00'00"	109 Truck ADT:	0 %		Speed Limit:	55
>	NAVIGATION DATA	19 Detour Length:	4 mi.			
38 Navigation Control:				CLASS	FICATION	
-	ntrol on waterway (bridge permit not required)	112 NBIS Length:	Y			
111 Pier Protection:		26 Functional Class:	09 - Rura			
	00'00"	100 STRAHNET:		defense highway	,	
40 Horiz. Clearance:	000'00"	101 Parallel Structure:		arallel structure		
		102 Direction of Traffic:		ane bridge for 2-		
16 Latitude: 42.1006270	03 17 Longitude: -95.53725064	22 Owner:		nty Highway Age		
10 Editidde: 42.1000270		21 Custodian:	02 - Cou	nty Highway Age	ю	
>		07.11.01.01.01.01		P		
FRA No. (if RR Bridge):		37 Historical Significance: 75A Type of Work Propos		ligible lacement - Load/	Geometry	

· ·			
	Span 1 South	Span	
	Crawford Coun	ty Day Labor Bridge C	onstruction
	· · ·		
	Prepared By: Ross Wound	Date: /e	-12-03
	Township: Hanover		<u>E911 Rd.:</u>
	FHWA No .: 129321	Date Reconstructed:	
	Describe Work:		
	Shin Brillige Length: 20,0'	Bridge Width: 16,0	Open Depth:
	Beam Info	Deck Info.	Diaphragm info.
	Beam Type: W S	Deck Type: War	# Bolts per Angle: 5
•	Beam Spacing: 3012 C-C	Top: <u>31/</u> Z Longitudinal	Bolt Size:
· · ·	Beam Depth: 18" Width Thickness	Bottom: 3x /Z Transverse	
	Flange: 6 78	Spacing on Boltom: C-C	Diaphragm Size: 10"
· . , :	Web Thickness:		
	7 bears		
	X-section With Diaphragm Spacing		
	Rank-and at	ends and I cow m	mille
	Substructure Comments:		
		······································	
	Comments:		,
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Prepared By:   Date:     Township:   Honoux   Section:   E911 R     FHWA No:   129321   Date Reconstructed:   Describe Work:     Describe Work:	Crawford Coun	ity Day L	.aboi	Bridge (	Construction	
Township:   Honser   Section:   E911 R     FHWA No:   129321   Date Reconstructed:     Describe Wark:	. •					
FHWA No.:   129321   Date Reconstructed:     Describe Work:	ared By:			Date:		
Describe Work:     Stan     Bridge Length:   GO     Beam Irr(o:   Bridge Width:   16.0     Beam Irr(o:   Deck Info.   Diaphra     Beam Type:   W   S   Deck Type:   # Boits per Angle:     Beam Spacing:   30% C-C   Top:   #12   Longitudinal   Boit Size:     Beam Depth:   Z/   Bottom:   3×12   Transverse   Diaphragm Length:     Flange:   B   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing   Space Size:   Space Size:     Operations   C-C   Diaphragm Spacing   Space Size:   Space Size:     Diaphragm Spacing   Space Size:   Space Size:   Space Size:   Space Size:	Iship: Hanover		Section:		E911 F	<u>۲d.:</u>
Stan   Bridge Length:   Go   Bridge Width:   16.0   Open Depth:     Beam Info:   Deck Info:   Deck Info:   Diaphra     Beam Type:   W   S   Deck Type:   Maddet   # Bolts per Angle:     Beam Spacing:   30%   C-C   Top:   31/2   Longitudinal   Bolt Size:     Beam Depth:   Z/1   Bottom:   3X12   Transverse   Diaphragm Length:     Flange:   B   1%   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing   Space Maddet   Space Maddet     Open Depth:   2   bcarm S   Space Maddet   Space Maddet     Seection With Diaphragm Spacing   Space Maddet   Space Maddet   Space Maddet     Diaphrag mS of 1/s   Space Maddet   Space Maddet   Space Maddet	ANO: 129321	<u>ل</u> ے _	Date Re	constructed:	· · · ·	<u> </u>
Bridge Length:   UD   Bridge Width:   76.0   Open Depth:     Beam Info.   Deck Info.   Dlaphra     Beam Type:   W   S   Deck Type:   UBA   # Bolts per Angle:     Beam Spacing:   30% C-C   Top:   36% C   Dogst Issue   # Bolts Size:     Beam Depth:   Z /   Bottom:   3712   Transverse   Diaphragm Length:     Flange:   B   If and the set issue   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   B   Spacing on Bottom:   C-C   Diaphragm Size:     Seck X-section With Beam Spacing   7   beam S   Spacing     Deck X-section With Diaphragm Spacing   Mathing Spacing   Mathing Spacing	ribe Work:		<u></u>			
Bridge Length:   UD   Bridge Width:   76.0   Open Depth:     Beam Info.   Deck Info.   Dlaphra     Beam Type:   W   S   Deck Type:   UB   # Bolts per Angle:     Beam Spacing:   30% C-C   Top:   3K/2   Longitudinal   Bolt Size:     Beam Depth:   Z /   Bottom:   3X12   Transverse   Diaphragm Length:     Flange:   B   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Open Mearms   Spacing   Deck X-section With Diaphragm Spacing   Deck X-section With Diaphragm Spacing     Diaphragms of US   formts   formts   Space X	·		·		<u> </u>	
Bridge Length:   UD   Bridge Width:   76.0   Open Depth:     Beam Info.   Deck Info.   Dlaphra     Beam Type:   W   S   Deck Type:   UB   # Bolts per Angle:     Beam Spacing:   30% C-C   Top:   3K/2   Longitudinal   Bolt Size:     Beam Depth:   Z /   Bottom:   3X12   Transverse   Diaphragm Length:     Flange:   B   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Open Mearms   Spacing   Deck X-section With Diaphragm Spacing   Deck X-section With Diaphragm Spacing     Diaphragms of US   formts   formts   Space X				<u>.                                    </u>	· ·	
Beam Type:   W   S   Deck Type:   Ideal   # Bolts per Angle:     Beam Spacing:   30% C-C   Top:   3K12   Longitudinal   Bolt Size:     Beam Depth:   Z/   Bottom:   3X12   Transverse   Diaphragm Length:     Flange:   B   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   %   Spacing   Spacing   Space MS     Section With Beam Spacing   7   beams   Spacing     ØragthragmSpacing   0ragthragm Spacing   NragthragmSpacing	E Length: 60	Bridge Widt	h:	16,0	Open Depth:	
Beam Spacing:   30½ C-C   Top:   312   Longitudinal   Bolt Size:     Beam Depth:   Z/   Bottom:   3×12   Transverse   Diaphragm Length:     Beam Depth:   Z/   Bottom:   3×12   Transverse   Diaphragm Length:     Flange:   B   B   B   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   B   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   B   Spacing   Space Size:   Space Size:     Veck X-secton With Beam Spacing   7   bcarn Size:   Space Size:     Section With Diaphragm Spacing   Nonther Size:   Space Size:   Space Size:	Beam Info.		Deck Inf	o.	Diaphr	agm
Beam Spacing:   30½ C-C   Top:   312   Longitudinal   Bolt Size:     Beam Depth:   Z/   Bottom:   3×12   Transverse   Diaphragm Length:     Beam Depth:   Z/   Bottom:   3×12   Transverse   Diaphragm Length:     Flange:   B   B   B   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   B   Spacing on Bottom:   C-C   Diaphragm Size:     Web Thickness:   B   Spacing   Space Size:   Space Size:     Veck X-secton With Beam Spacing   7   bcarn Size:   Space Size:     Section With Diaphragm Spacing   Nonther Size:   Space Size:   Space Size:	n Type: W S	Deck Type:	Uker	self.	# Bolts per Angle:	Ŀ
Beam Depth: Z/ Bottom: 3x12 Transverse Diaphragm Length:   Flange: B B Spacing on Bottom: C-C Diaphragm Size:   Web Thickness: B B Spacing on Bottom: C-C Diaphragm Size:   Web Thickness: B Spacing on Bottom: C-C Diaphragm Size:   Web Thickness: B Spacing Space   Deck X-section With Beam Spacing Space Space   Section With Diaphragm Spacing Space Space   Oraphroggens at its formts Space					ļ	
Flange: Width Thickness   Web Thickness: 3   Deck X-sector With Beam Spacing   7   7   Gesection With Diaphragm Spacing   Øraghragms of 15		1			Diaphragm Length	: <b>3</b> 0
Web Thickness: 3 Deck X-section With Beam Spacing 7 beams (-section With Diaphragm Spacing Draphragms at 15 Points	Width Thickness	-				
Deck X-secton With Beam Spacing 7 beams (-section With Diaphragm Spacing Draphrogras of 15 Points	31				· ·	
(-section With Diaphragm Spacing Draphragms at 15 Points		··			· ·	
Draphrogens at its fornts	7 beams					
	n With Diaphragm Spacing			,,,	<u>,</u>	
	Asol - 1	1/ 100	nte			
Substructure Comments:		is poor		<u></u>	· · · ·	
	ucture Comments:				·	
comments: Cap at North Pres is 15" Steel channe		<u></u>	· · ·			 c

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Skan 3 Nor Crawford Cou	nty Day Labor Bridge (	Construction
-	· · · · · ·	· · ·
Prepared By:	Date:	·. ·
Township: Harriner	Section:	E911 Rd.:
FHWA No.: 129321	Date Reconstructed:	· · · · · · · · · · · · · · · · · · ·
Describe Work:		
· · · · · · · · · · · · · · · · · · ·		
sidge Length:	Bridge Width:	Open Depth:
Beam Info.	Deck Info.	Diaphragm info:
Beam Type: W S	Deck Type: Ukrod	# Bolts per Angle; 5
Beam Spacing: 30 1/2 C-C	Top: 3x1> Longitudinal	Bolt Size:
Beam Depth: 18" Width Thickness	Bottom: 3x12_ Transverse	Diaphragm Length: 30 1/2"
Flange: 6 3/8	Spacing on Bottom: C-C	Diaphragm Size: 10"
Web Thickness: 🧏 '' eck X-secton With Beam Spacing		
7 beg mis		
section With Diaphragm Spacing	· · · · · · · · · · · · · · · · · · ·	<b>,</b>
Draphragms at er	the and I row a	molole
ubstructure Comments:		
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roject Nun	nber:									_					TUN		JON	110/	1 60		<u></u>	Secti	on:	788	-					To	wnshi	p: 1	lanove		
ocation:	120405	n												Section: 7 & 8															Т	FHWA No: 129320					
)escription			Drive 4 new 40"x8" steel H piling through cap f									to re	replace bad wood piling and rebuild north peir cap.																		Bridge Ty	pe:			
For the			—ŋ																															•	
	April	•	- 1																													Tota	Total	Hourty	+ ( )
<u> </u>	1															irs w	orke	orked per day 16 17 18 19 20 21 22 23 24 25 26										27	28	29	30 3		Hours	Rate	Totals
Employee 1	21	3	4	5	6	7	8	9	10	11	12	13	14	15	_16	17	18	19	20	21	22	23	24	25	26	<u> </u>	_		<u> ~   `</u>	-+	8	\$ 36.58	\$292.64		
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erry Lally		<u> </u>	-+	-				<u> </u>				·				1			i					_					8	4		-+-	12	\$ 28.40	\$340.80
Dan Blunk							┼──	┢──									Ţ												8	4		ŀ			\$305.52
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Blake Deibe			_				┢──	┼━─	<u> </u>	<del> </del>	·				┢──	·1		<u>├</u> ─			_												0	\$ 10.27	\$0.00
Chris Boeck					L			-		┼╌┈		┣━━	┝	<u> </u>	+-	1	╉──	1										]					0	\$	\$0.00
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		_											-12	<u> </u>				h land	—	No			-1	Un	1+	- <u> </u>	Tota		1			<b>-</b>			- <b></b>
No. of Materials List									ation		New/		No.		* Units		Cost			Costs					<u> </u>	Total Labor Costs: \$1,									
	Siz	e		Description of materials used										<u> </u>	_	d fron		Used		<u>Jnits</u>			┢			-			-			•	Total L	abor Costs	: \$1,502.0
pieces 4	8°x	40'	╧		<u></u>			el H p				_			stock			New/		160		In.ft.	\$		10.0	1 *	1,69	00.11 00.00	1.40	torio	ls (pag	10 1	<u>•</u>	1,820.10	
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2	3/		+					1/2" b	_						stocł	<				8		each	\$	_		0 <b>\$</b>		5,60						<u> (1980) (1997)</u>	
8			+-						hers	<u> </u>					stoc					16	_	each	\$		0.4			6.40				T	'otal M	aterial Cost	: \$1,820.
16	3/		+				_		rods				┿	stock						5		each	\$		6.1	0 \$		30.50	<u></u>						-
5	<u>d</u>	) <u> </u>	+-				MA	ung	1000				╌┼╴							0			\$		-	\$		•					Eguip	ment Coste	: \$1,276.
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