

Structure Inventory and Appraisal

Bridge ID: WESTSIDE-128681	Official	SR: 79.7	SD/FO: Not Deficient or Obsolete
FHWA No.: 128681	Unofficial	SR: 79.0	SD/FO: Not Deficient or Obsolete

- 1	(
í	>	IDENTIFICATION		INSPE	CTION	
ĺ	7 Facility Carried:	LOCAL	90 Inspection Date:	03/02/2016	Inspection Type:	N∕A
l	5B Rte. Signing Prefix:	4	Next Routine Insp Date:	03/02/2018	91 Frequency:	24
l	5C Level of Service:	1 - MAINLINE			Next Insp Type:	Regular
l	5D Inventory Route:	00000	Inspection Agency:	5 - Consultant	Inspection Group:	Crawford County
l	City:	RURAL	93A FC Inspection Date:			
i	3 County:	024 - Crawford	92A FC Frequency:	0	Next FC Insp.:	NA
I	9 Location:	084373302	93B UW Inspection Date:			
l	5E Directional Suffix:	0 - NOT APPLICABLE	92B UW Frequency:	0	Next UW Insp.:	NA
l	6 Feature Intersected:	MILLER CREEK	93C SI Date:			
l	2 District:	0	92C \$1 Frequency:	0	Next Spec, Insp.:	NA
l	Garage:	000	Other Non-NBI Date:			
l	98 Border Bridge Code:		Other Non-NBI Freg.;		Next Other Insp.:	NA
l	% Responsibility:	0	>	COND	<u> </u>	
Į	99 Border Bridge No.:		58 Deck:	7 - Good Condition (some min	nor problems)	
ì	\$TRU	CTURE TYPE AND MATERIALS	59 Super:	7 - Good Condition (some min	nor problems)	
ı	43A Main Snan	3 - Steel	60 5.4.	7. Cood Condition tooms will		

P9 Border Bridge No.:	58 Deck:	7 - Good Condition (some minor problems)
STRUCTURE TYPE AND MATERIALS	59 Super:	7 - Good Condition (some minor problems)
43A Main Span 3 - Steel	60 Sub:	7 - Good Condition (some minor problems)
43B Main Span Design: 02 - Stringer/Multi-beam or Girder	61 Channel/Channel Prot.:	7 - Bank protection needs minor repairs
45 No. Spans Main Unit: 1	62 Culvert	N - Not Applicable
44A Appr. Span 000 - NA		
44B Appr. Span Design: 000 - NA	67 Str. Evaluation:	APPRAISAL 5 - Somewhat better than minimum adequacy
46 No. of Appr. Spans: Near 0 Far 0	68 Deck Geometer	6 - Fauel to present minimum criteria

ı				68 Deck Geometry:	6 - Equal to present minimum criteria
	107 Deck Type:	8 - Wood or Timber		69 Underclear Vert & Horiz:	N - Not applicable
	108A Wearing Surface:	7 - Wood or Timber		71 Waterway Adequacy:	5 - Occasional Flooding - Significant Delays
	108B Membrane:	0 - None		72 Approach Alignment:	6 - Equal to present minimum criteria
	108C Deck Protection:	0 - None		•	0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDE
ĺ		GEOMETRIC DATA	o	36B Transition:	0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
	48 Length Max Span:	50 ft.		36C Approach Rail:	0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDE

	GEOMETRIC DATA	1 36B Transition:	 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
48 Length Max Span:	50 ft.	36C Approach Rail:	0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
49 Structure Length:	50 ft.	36D Approach Rail Ends:	0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED
34 Skews	O°	113 Scour Critical:	8 - Stable - Excellent Condition
Deck Area:	1250.0 sq. ft.	170 00001 0110001.	
50B Curb/Sdwk Width R:	O fl.	31 Design Load: U -	LOAD RATING AND POSTING

ı			1	LOT AND DEBUILDE
	(w/ Shoulders)		41 Posting Status:	A - Open
ı	32 Appr. Roadway width:	26 ft,	70 Posting:	5 - Equal to or above legal loads
ł			66 Inventory Rating:	20.9 Tons
ı	52 Width Out to Out:	25.0 ft.	65 Rating Method:	2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
ı	51 Width Curb to Curb:	24.0 fL	64 Operating Rating:	30.8 Tons
ı	50A Curb/Sdwk Width L:	O ft.	63 Rating Method:	2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
ı	50B Curb/Sdwk Width R:	Offi.	31 Design Load:	0 - Unknown
ı			r	LOAD RATING AND POSTING

33 Median:	0 - No median		AGE AN	D SERVICE						
35 Structure Flared:	00 - No flare	27 Year Built;	2003	Design No.:	0					
10 Vertical Clearance:	99'99"	106 Year Reconstructed:	0							
47 Horiz, Clearance:	24'00"	42A Type of Service on:	1 - Highway							
53 Min, Vert. Clearance Over:	99'99"	42B Type of Service Under: 5 - Waterway								
54B Min. Vert. Underdearance	: 00'00"	28A Lanes on:	1	28B Lanes under:	0					
55 Min. Lat. Underclearance R	: 00'00"	29 ADT:	30	30 Year of ADT:	2012					
56 Min. Lat. Underclearance L:	00'00"	109 Truck ADT:	0 %	Speed Limit:	55					

ı	53 Min, Vert. Clearance Over; 99'99"	42B Type of Service Und	er: 5 - Walerway			
ı	54B Min. Vert. Underclearance: 00'00"	28A Lanes on:	1	28B Lanes under:	0	
1	55 Min. Lat. Underclearance R: 00'00"	29 ADT:	30	30 Year of ADT:	2012	
	56 Min. Lat. Underclearance L: 00'00"	109 Truck ADT:	0 %	Speed Limit:	55	
	×	/ 19 Detour Length:	4 ml.			
- 1	NAVIGATION DATA	1				
	38 Navigation Control:	·		CLASSIFICATION	·	_
	0 - No navigation control on waterway (bridge permit not required)	112 NBIS Length:	Υ			
	111 Pier Protection:	26 Functional Class:	09 - Rural - Local			

					•	
111 Pier Protection:				26 Functional Class:	09 - Rural - Local	
39 Vertical Clearance:	00'00"			100 STRAHNET:	0 - Not a defense highway	
40 Horiz, Clearance:	000'00"		,	101 Parallet Structure:	N - No parallel structure	
,			$\overline{}$	102 Direction of Treffic:	3 - One lane bridge for 2-way traffic	
16 Latitude: 42.042771	36 171 on	gitude: -95,169172	94	22 Owner:	02 - County Highway Agency	
		9		21 Gustodian:	02 - County Highway Agency	
	<u> </u>		$\overline{}$	27 Ulatedast Cinnifession	3 - May be eligible for National Register	

1		EO I GIIGGO I GI OIGGG.	05 - NBIBI - COCC
	39 Vertical Clearance: 00'00"	100 STRAHNET:	0 - Not a defense highway
ı	40 Horiz, Clearance: 000'00"	101 Parallet Structure:	N - No parallel structure
i		102 Direction of Traffic:	3 - One lane bridge for 2-way traffic
	16 Latitude: 42.04277136 17 Longitude: -95.16917294	22 Owner:	02 - County Highway Agency
ı	1 25,0,100	21 Gustodian:	02 - County Highway Agency
		37 Historical Significance:	3 - May be eligible for National Register
	FRA No. (if RR Bridge):	75A Type of Work Proposed:	
	Mile Post:	75B Work Done by:	
			



Structure Inventory and Appraisal

Bridge ID: WESTSIDE-128681 Official SR: 79.7 SD/FO: Not Deficient or Obsolete FHWA No.: 128681 Unofficial SR: 79.0 SD/FO: Not Deficient or Obsolete

IDENTIFICATION 7 Facility Carried: LOCAL 5B Rte. Signing Prefix: 4 5C Level of Service: 1 - MAINLINE 5D Inventory Route: 00000 City: RURAL

3 County: 024 - Crawford 084373302 9 Location: 0 - NOT APPLICABLE 5E Directional Suffix:

MILLER CREEK 6 Feature Intersected: 2 District: Garage: 000

98 Border Bridge Code: % Responsibility: 99 Border Bridge No.:

STRUCTURE TYPE AND MATERIALS

Far

0

43A Main Span 3 - Steel

43B Main Span Design: 02 - Stringer/Multi-beam or Girder

45 No. Spans Main Unit: 1 44A Appr. Span 000 - NA 44B Appr. Span Design: 000 - NA

46 No. of Appr. Spans: Near 0

107 Deck Type: 8 - Wood or Timber 108A Wearing Surface: 7 - Wood or Timber

108B Membrane: 0 - None 108C Deck Protection: 0 - None

GEOMETRIC DATA

26 ft

48 Length Max Span: 50 ft 50 ft 49 Structure Length: 34 Skew:

Deck Area: 1250.0 sq. ft. 50B Curb/Sdwk Width R: Oft. 50A Curb/Sdwk Width L: 0 ft. 51 Width Curb to Curb: 24.0 ft. 25.0 ft. 52 Width Out to Out:

(w/ Shoulders)

32 Appr. Roadway width:

33 Median: 0 - No median 35 Structure Flared: 00 - No flare 10 Vertical Clearance: 99'99" 47 Horiz. Clearance: 53 Min. Vert. Clearance Over: 99'99' 54B Min. Vert. Underclearance: 00'00" 55 Min. Lat. Underclearance R: 00'00" 56 Min. Lat. Underclearance L: 00'00"

NAVIGATION DATA

0 - No navigation control on waterway (bridge permit not required)

111 Pier Protection:

38 Navigation Control:

39 Vertical Clearance: 00'00" 40 Horiz. Clearance:

16 Latitude: 42.04277136 17 Longitude: -95.16917294

FRA No. (if RR Bridge):

Mile Post:

INSPECTION 03/31/2014

90 Inspection Date: Inspection Type: N/A 03/31/2016 Next Routine Insp Date: 91 Frequency:

Next Insp Type: Regular Inspection Agency: 5 - Consultant Inspection Group: Crawford County

93A FC Inspection Date:

92A FC Frequency: Next FC Insp.: NA

93B UW Inspection Date:

92B UW Frequency: Next UW Insp.: NA

93C SI Date:

92C SI Frequency: Next Spec. Insp.:

Other Non-NBI Date:

Other Non-NBI Freq.: Next Other Insp.: NA

CONDITION

58 Deck: 8 - Very Good Condition (no problems noted) 59 Super: 7 - Good Condition (some minor problems) 7 - Good Condition (some minor problems) 61 Channel/Channel Prot.: 7 - Bank protection needs minor repairs

62 Culvert N - Not Applicable

APPRAISAL

67 Str. Evaluation: 5 - Somewhat better than minimum adequacy

68 Deck Geometry: 6 - Equal to present minimum criteria

69 Underclear Vert & Horiz: N - Not applicable

71 Waterway Adequacy: 5 - Occasional Flooding - Significant Delays 72 Approach Alignment: 6 - Equal to present minimum criteria

36A Bridge Rail: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED. 36B Transition: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED 36C Approach Rail: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS. OR IS NOT THERE AND IS NEEDED 36D Approach Rail Ends: 0 - DOES NOT MEET CURRENT SAFETY STANDARDS, OR IS NOT THERE AND IS NEEDED

113 Scour Critical: 8 - Stable - Excellent Condition

LOAD RATING AND POSTING

31 Design Load: 0 - Unknown

63 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.

64 Operating Rating:

65 Rating Method: 2 - Allowable Stress (AS) reported in english tons using HS-20 loading.

66 Inventory Rating:

70 Postina: 5 - Equal to or above legal loads

41 Posting Status: A - Open

AGE AND SERVICE

2003 0 27 Year Built: Design No.:

106 Year Reconstructed: 0 42A Type of Service on: 1 - Highway 42B Type of Service Under: 5 - Waterway

28A Lanes on: 1 28B Lanes under: 29 ADT: 30 Year of ADT: 2012 109 Truck ADT: 0 % Speed Limit: 55

19 Detour Length: 4 mi

CLASSIFICATION

112 NBIS Length:

26 Functional Class: 09 - Rural - Local 100 STRAHNET: 0 - Not a defense highway 101 Parallel Structure: N - No parallel structure 102 Direction of Traffic: 3 - One lane bridge for 2-way traffic 22 Owner: 02 - County Highway Agency

21 Custodian: 02 - County Highway Agency 37 Historical Significance: 3 - May be eligible for National Register

75A Type of Work Proposed:

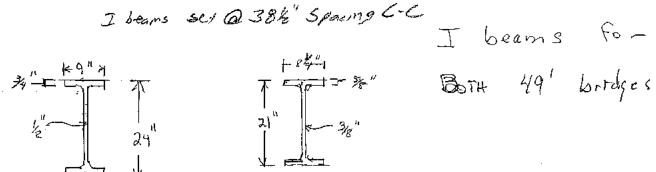
75B Work Done by:

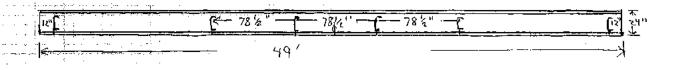
		······································
Crawford Cou	nty Day Labor Bridge (Construction
Prepared By: Ross Wood	Terry Lally Date:	
Township: Wests Le	Section:	E911 Rd.;
FHWA No.: 128681	Date Reconstructed:	2003
Describe Work: Restare of	I bistope with I-	Larger Good ag
Bridge Length:	Bridge Width: Zg	Open Depth:
Beam Info.	Deck Info	Diaphragm info.
Beam Type: W S	Deck Type: Word	# Bolts per Angle: 3
Beam Spacing: 38½ ° C-C	Top: 3x/Z Longitudinal	Bolt Size: 8
Beam Depth: 24" Width Thickness	Bottom: 4x/6 Transverse	Diaphragm Length: 24"
Flange: 9" Thickness	Spacing on Bottom: $ZB^{''}$ C-C	
Web Thickness:		
Deck X-secton With Beam Spacing		1
	38/2 - 38/23	<u> </u>
X-section With Diaphragm Spacing	49'	
	78/2 3 78/2 3 - 78/2 3	
	<u> </u>	
Substructure Comments:		
·		:
Comments: Outside	Z I beam are to s	be ZI" I-beams
,	,	`

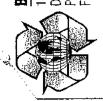
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Initials: 089821 Project No: Client: Site: ASSOCIATES, INC.

The rest of the beams to be Z4".







Project Nun	nber:	LB4	7-33	Ŵ									(CRAV	VFO	RD C	OUN	TY D	AY L	.ABC	R P	ROJE	CT (SHE	T								July 30		
Location: 180503w																					Sec	tion:							Township: Westside 32 & 33						
Description	of Wo	sk:		Rep	lace	old b	ridge	e with	new	24" I	bean	ı brid	ge w	ith 4	wings	5.																		FHWA No:	
For the	month & June		-				_																											Bridge 1	ype:
		<u> </u>		<u> </u>										•	Hot	urs w	rorke	d pe	r day	<u>-</u>													Total Hourly		
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Corey Curnyr					8	8	T	1		8	\vdash	8	8		\vdash		8	8	8	8	-8		1				1	-8	8	8		1	104	\$ 25.03	\$2,603.12
Kyle Schuitz					8	8	ऻॱ	\top	1	8		8	. 8	<u> </u>		1	. 8	8	8	8	8							- 8	8	8	8	Т	112	\$ 21.50	\$2,408.00
Chris Boeck					8	8			1	8	_	8	8		 	1	8	8	8	8	8		,				<u> </u>	8	8	8	8	1	112	\$ 9.63	\$1,078.56
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Crawford County Secondary Roads Material List					Project No.:				
No. Pieces	Size	Description of Materials Used:	Stockpile Location or Direct Purchase From	New or Used	No. Units	Units *(see below)	Unit Cost	Total Cost	
101	3"x12"	16' Plank	Denison	used	1616	In.ft.	\$ 1.25	\$2,020.00	
	3"x12"	18' Plank	Denison	new	0	ln.ft.	\$ 2.51	\$0.00	
60	3"x12"	20' Plank	Denison	new	1200	ln.ft.	\$ 2.51	\$3,012.00	
	3"x12"	22' Plank	Denison	new	0	lln.ft.	\$ 2.58	\$0.00	
22	3"x12"	24' plank	Denison	new	528	ln,ft.	\$ 1.25	\$660.00	
	4"x12"	16' plank			0	In.ft.	·	\$0.00	
	4"x12"	24' plank		·	0	ln.lnft.	\$ 3.99	\$0.00	
22	4"x16"	any length			528	In.ft.:	\$ 2.50	\$1,320.00	
			·.		0		\$ -	\$0.00	
	10"x10"	Wood Cap			0	In.ft.	\$ 9.17	\$0.00	
•	12"x12"	Wood Cap			0	In.ft.	\$ 13.20	\$0.00	
·					0		\$	\$0.00	
-	4"x6"	12' nailer			0	each	\$ 26.05	\$0.00	
	4"x6*	16' nailer		·:	0	each	\$ 29.77	\$0.00	
					0		\$ -	\$0.00	
	2"x4"	any length			0	in.ft.	\$ 0.28	\$0.00	
	2"x6"	any length				In.ft.	\$ 0.39	\$0.00	
	1/2"	4'x8' plywood			0	each	\$ 11.05	\$0.00	
	3/4"	4'x8' plywood			0	each	\$ -	\$0.00	
	. :				0		\$ -	\$0.00	
	25'	wood piling			0	each	\$ 141.36	\$0,00	
8.	.30'	wood piling			. 0	each	\$ 168.00	\$0.00	
	35'	wood piling			. 0	each	\$ 217.69	\$0.00	
	40'	wood piling			0	each	\$ 296.37	\$0.00	
					0		\$ -	\$0.00	
	8"x8"	40'steel@36lb./ft.			0	In. ft.	\$ 7.41	\$0.00	
	8"x8"	50'steel @36lb./ft			0	In. ft.	\$ -	\$0.00	
Total Materia							s (page two) :	_\$7,012.00	