Next UW Inspection: NA

Structure Inventory and Appraisal Sheet (English Units)

UW Frequency 92B: NA

Bridge Key: 13893 Agency ID: 118C00012N SR: 16.5 SD/FO: SD

IDENTIFICATION State 1: 21 Kentucky Struc Num 8: 118C00012N Facility Carried 7: VERNE ROAD Location 9: .2 MLE OF JCT KY 904 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 4 County Hwy Level of Service 5C: 1 Mainline Rte. Number 5D: 01184 Directional Suffix 5E: % Responsibility: Unknown 0 N/A (NBI) SHD District 2: County Code 3: Whitley (118) District 11 0.139 mi Place Code 4: FIPS 0000 Mile Post 11:

Feature Intersected 6: PATTERSON CREEK

36d 43' 11"

Longitude 17: 084d 04' 05"

Number of Spans Main Unit 45: 1

Year Reconstructed 106: -4

Border Bridge Code 98: Unknown (P)

Border Bridge Number 99:

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 48: 0

Main Span Material/Design 43A/B:

3 Steel

10 Toiss-Thru

Deck Type 107: 1 Concrete-Cast-in-Place Wearing Surface 108A: 1 Monolithic Concrete Membrane 108B: 0 None Deck Protection 108C: None

AGE AND SERVICE

Year Built 27:

Type of Service on 42A: 1 Highway

Type of Service under 42B: 5 Waterway

Lanes Under 288: 0 Detour Length 19: 6.2 mi Lanes on 28A: 1 ADT 291 250 Truck ADT 109: Unknown Year of ADT 30: 2006

GEOMETRIC DATA

Length Max Span 48: 74.1 ft Structure Length 49: Curb/Sdwlk Width L 50A: 0.0 ft Curb/Sidewalk Width R 50B: 0.0 ft Width Curb to Curb 51: 11.8 ft Width Out to Out 52: Approach Roadway Width 32: 14.1 ft Median 33: 0 No median

Deck Area: 960.1 sq. ft

Skew 34: 0.00 * Structure Flared 35: 0 No flare Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 11.48 ft

328.1 ft

Minimum Vertical Clearance Over Bridge 53:

Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR

Minimum Vertical Underclearance 548: 0.0 ft Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR

Minimum Lateral Underdearance R 55: 008 Minimum Lateral Underclearance L 56:

INSPECTION

08/12/2011 Frequency 91 12 months Inspection Date 90: 8/12/2010 Next Inspection:

FC Frequency 92A: 24 months FC Inspection Date 93A: 8/1/1993 Next FC Inspection: 8/1/1995

UW Inspection Date 93B: NA SI Frequency 92C: NA SI Date 93C: 8/12/2010 Next SI:

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists Not Applicable (P) Direction of Traffic 102: 3 1-lane Br for 2-way Temporary Structure 103: NSIS Length 112: Highway System 104: 0 Not on NHS Long Enough Toll Facility 20: Functional Class 26: 09 Rural Local 3 On free mad 0 Not a STRAHNET hwy Historical Significance 37; 5 Not eligible for NRHP Defense Hwy 110: Owner 22:

02 County Hwy Agency Custodian 21: 02 County Hwy Agency

CONDITION

Deck 58: 5 Fair Super 59: 3 Serious Sub 60: 5 Fair

Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 5 Bank Prot Eroded

LOAD RATING AND POSTING

Inventory Rating Method 65: 1 LF Load Factor Operating Rating Method 63: 1 LF Load Factor

Inventory Rating 66: HS1.7 Operating Rating 64: HS1.7

0 Other or Unknown Posting 70: Design Load 31:

Posting status 41: **B Posting Recommended**

APPRAISAL

0 Substandard Approach Rail 36C: Bridge Rail 36A: 0 Substandard Approach Rail Ends 36D: 0 Substandard 2 Intolerable - Replace Str. Evaluation 67:

Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)

Approach Alignment 72: 9 Above Desirable

8 Stable Above Footing Scour Critical 113:

PROPOSED IMPROVEMENTS

\$ 139,000 Type of Work 75: 31 Repl-Load Capacity Bridge Cost 94: \$0 Length of Improvement 76: Roadway Cost 95: Total Cost 96: \$ 138,000 Future AOT 114: 250 Year of Cost Estimate 97: 1994 Year of Future ADT 115:

NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required

Vertical Clearance 39: 0.0 R Horizontal Clearance 40: 0.0 ft Pier Protection 111: Not Applicable (P) Lift Bridge Vertical Clearance 116:

ELEMENT CONDITION STATE DATA

Str Unit	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty St. 4	% in 5	Qty St 5
1	12/1	Bare Concrete Deck	(SF)	960	0 %	a	0 %	0	100 %	960	0 %	0	0%	0
1	113/1	Paint Stl Stringer	(LF)	480	0 %	q	50 %	240	50 %	240	0 %	0	0 %	0
1	121/1	P/Stl Thru Truss/Bot	(LF)	160	0 %	q	0 %	0	0 %	0	100 %	160	0%	0
1	126/1	P/Stl Thru Truss/Top	(LF)	160	0 %	d	0 %	0	0 %	0	0 %	0	100 %	160
1	152/1	Paint Stl Floor Beam	(LF)	52	0 %	0	50 %	26	50 %	26	0 %	o	0%	0
1	215/2	R/Conc Abutment	(LF)	46	0 %	a	100 %	46	0 %	0	0 %	a	0 %	a

4 Minimum Tolerable

Structure Inventory and Appraisal Sheet (English Units)

on orm	Elm/Env	Description	Units	Total Qty	% in 1	Qty. St. 1	% in 2	Qty. St. 2	% in 3	Qty. St. 3	% in 4	Qty. St. 4	% in 5	Qty. St. 5
1	311/1	Moveable Bearing	(EA)	4	0 %	q	0%	0	100 %	4	0 %	a	0%	a
1	333/1	Other Bridge Railing	(LF)	150	0 %	q	0 %	o	100 %	150	0 %	a	0%	o
1	356/1	Steel Fatigue SmFlag	(EA)	1	0 %	a	0 %	0	100 %	1	0%	0	0%	q
1	357/1	Pack Rust Smart Flag	(EA)	1	0 %	q	0%	0	100 %	1	0%	a	0%	a
1	358/1	Deck Cracking SmFlag	(EA)	1	100 %	1	0%	o	0%	a	0 %	a	0%	q
1	359/1	Soffit Smart Flag	(EA)	1	0 %	d	100 %	1	0 %	q	0%	a	0%	a
1	611/1	Embankment Erosion	(EA)	1	100 %	1	0%	0	0 %	q	0%	0	0%	a
Str Unit	Elm/Env	Description	1	Element Notes										
1	12/1	Concrete Deck - Bare	DUE TO SURFACE WORN, CRKS, AGG. EXP.											
1	113/1	Painted Steel Stringer	DUE TO RUST											
1			TOWER CHORD EYEBARS AT ABUTMENT 1 HAVE BEEN REPAIRED BY SPLICING NEW EYEBARS ATTACHED WITH NEW PIN TO END POST. OTHER EYEBARS AT VERTICAL POST HANGAR HAVE ALSO BEEN REPAIRED IN THE PAST. ALL EYEBAR CONNECTIONS ARE HEAVILY CORRODED.									NS		
1	126/1	Painted Steel Thru Truss (excl. bo	NEORRSION COMMON IN THE TOP CHORD AT CONNECTIONS. THE DIAGONAL POST TO BEARING CONNECTION AREA HAS BEEN COVERED ON ALL SIDES BY STEEL WELDED IN AFTER CONSTRUCTION											
			AL IE	R CONSTI	RUCTION	l	O DECI	COTENE	O ON AL	LOIDEGE	11 3166	L WELDE	DIN	
1	152/1	Painted Steel Floor Beam	1ST F	R CONSTI LOOR BE ROL MOV	TUO MA	OF ALIGN	MENT. H	IAS BEEN	WELDE		- Faculty	SARWELSTON	55650	
1		Painted Steel Floor Beam Reinforced Conc Abutment	1ST F	LOOR BE	AM OUT EMENT	OF ALIGN AND BUC	MENT, H	IAS BEEN	WELDE UOUT	D IN PAST	TO ST	SARWELSTON	55650	
	215/2		IST F CONT MINO BEAR	LOOR BEA ROL MOV R CRACKI	AM OUT EMENT NG SOM ABUT 1 H	OF ALIGN AND BUC E LEACHI IAVE BEE	MENT. H KLING, F NG TOP N PRESS	AS BEEN CUST THR OF ABUT	WELDE UOUT COVER	D IN PAST	TO STI	RINGERS	то	
1	215/2	Reinforced Conc Abutment	1ST F CONT MINO BEAR 2 BEA	LOOR BEA ROL MOV R CRACKI INGS AT A	AM OUT EMENT. NG SOM ABUT 1 H AVE HEA	OF ALIGN AND BUC E LEACHI IAVE BEE! VY CORR	MENT. H KLING. R NG TOP N PRESS OSION.	AS BEEN CUST THR OF ABUT	WELDE UOUT COVER	D IN PAST	TO STI	RINGERS	то	
1	215/2 311/1 333/1	Reinforced Conc Abutment Moveable Bearing (roller, stiding,	IST F CONT MINO BEAR 2 BEA DUE 1	LOOR BEA ROL MOV R CRACKI INGS AT A RINGS HA	AM OUT EMENT. NG SOM ABUT 1 H AVE HEA CORROS	OF ALIGN AND BUCK E LEACHI AVE BEEK VY CORR BION, WEA	MENT, H (LING, R NG TOP N PRESS OSION. AK VE HAD	IAS BEEN RUST THR OF ABUT SURE WA	WELDE UOUT COVER SHED PF	D IN PAST ED WITH RIOR TO F	TTO STI	RINGERS	TO	
1 1 1	215/2 311/1 333/1 356/1	Reinforced Conc Abutment Moveable Bearing (roller, stiding, 4 Other Bridge Railing	IST F CONT MINO BEAR 2 BEA DUE 1 LOWE FLAG	LOOR BEAT AND MOVER CRACKINGS AT A RINGS HATO RUST, ER CHORE TO MONITE CONNE	AM OUT EMENT. NG SOM ABUT 1 H AVE HEA CORROS IS AT SP FOR. SC	OF ALIGN AND BUCI E LEACHI IAVE BEEI VY CORR BION, WEA LICES HA	MENT, F KLING, F NG TOP N PRESS OSION. NK VE HAD OR BM C	HAS BEEN RUST THR OF ABUT SURE WAS PROBLES	WELDE UOUT COVER SHED PF	D IN PAST ED WITH RIOR TO F ST. MAIN	TTO STI	RINGERS . ABUTM	TO	
1 1 1	215/2 311/1 333/1 356/1	Reinforced Conc Abutment Moveable Bearing (roller, sliding, « Other Bridge Railing Steel Fatigue	IST F CONT MINO BEAR 2 BEA DUE 1 LOWE FLAG AT TH BEAR	LOOR BEAT AND MOVER CRACKINGS AT A RINGS HATO RUST, ER CHORE TO MONITE CONNE	AM OUT EMENT. NG SOM ABUT 1 H AVE HEA CORROS IS AT SP FOR. SO CTION C	OF ALIGN AND BUCK E LEACHI LAVE BEEK VY CORR SION, WEX LICES HA BUTH FLO OF VERTIC	MENT, F KLING, F NG TOP N PRESS OSION. NK VE HAD OR BM C	HAS BEEN RUST THR OF ABUT SURE WAS PROBLES	WELDE UOUT COVER SHED PF	D IN PAST ED WITH RIOR TO F ST. MAIN	TTO STI	RINGERS . ABUTM	TO	
1 1 1 1 1	215/2 311/1 333/1 356/1 357/1	Reinforced Conc Abutment Moveable Bearing (roller, sliding, a Other Bridge Railing Steel Fatigue Pack Rust	IST F CONT MINO BEAR 2 BEA DUE 1 LOWE FLAG AT TH BEAR DUE 1	LOOR BEAT AND MOVER CRACKINGS AT A RINGS HAT TO RUST, ER CHORE TO MONITIE CONNE	AM OUT EMENT. NG SOM ABUT 1 H AVE HEA CORROS OS AT SP FOR. SC CTION C	OF ALIGN AND BUCK E LEACHI LAVE BEEK VY CORR SION, WEX LICES HA BUTH FLO OF VERTIC	MENT, F KLING, F NG TOP N PRESS OSION. NK VE HAD OR BM C	HAS BEEN RUST THR OF ABUT SURE WAS PROBLES	WELDE UOUT COVER SHED PF	D IN PAST ED WITH RIOR TO F ST. MAIN	TTO STI	RINGERS . ABUTM	TO	

BRIDGE NOTES

BRIDGE HAS BE PAST TO STRIN						. FLOOR BEAM HAS BEEN WELDED IN V.			
PAST INSPECTION	ON .								
Inspection Date:	08/12/201	08/12/2010		Type: 7 Special (0 -60 months)					
Inspector:	MWEST		Pontis U	ser Key: MW	/EST - Mik	e W			
Scope:									
NB1:	\boxtimes	Other:	\boxtimes	Element:	\boxtimes				
Underwate	er:	Fracture Cri	tical:						

INSPECTION NOTES

AUG 12, 2010 MIKE WEST. THESE ARE HISTORIC NOTES. AM MAINTAINING TO AID FUTURE INSPECTIONS. NEEDS POSTED CLOSED & BARRICADED EACH SIDE. CBMNR SUBMITTED frost june 12 09. RECEIVED PHONE CALL FROM WHITLEY COUNTY JUDGES OFFICE MR SILER 23 AUGUST 09 CONCERNING THE REPAIRS OF BROKEN CHORDS ON THIS TRUSS, REPORTED REPAIRS ARE INADAUQATE PLEASE LOOK AT PHOTO LABEL REPAIR. THIS BRIDGE NEEDS BARRIACED IMMEDIADTELY THE BOTTOM CHORD HAS THE POTENTIAL TO FAIL AT ANY TIME FLOOR BEAM 1 IS BOWED LEAVING PANEL 2 STRINGERS WITH MINAMAL BEARING AREAS SOME LESS THAN 3/4" ON A 1/2" THICK FLANGE WITH BOLT HOLES ON THE RIGHT SIDES AND A POOR WELD AT THE FLANGE STRINGER CONNECTION. MY SUPERVISOR MIKE WEST WAS THE LEAD INSPECTOR AT THIS FOLLOW UP. NOT POSTED OR BARRICADED 05/26/2010 MFROST. MEET 7 JULY 2010 AT BRIDGE WITH MWEST, MCALEB, JSAMS TO DISCUSS POSSIBLE REPAIR METHOD. REEXAMINED UPPER AND LOWER CHORDS CONNECTING POINTS FLOOR BEAMS STRINGERS AND ABUTMENTS TO DETERMINE IF THE BROKEN CHORDS AT ABUTMENT 1 AND THE FLOOR BEAM MENTIONED BELOW