

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 13164 Agency ID: 111B00054N SR: 19.7 SD/FO: SD

IDENTIFICATION

State 1: 21 Kentucky Struc Num 8: 111B00054N
 Facility Carried 7: KY-1585 Location 9: .3MI. N OF HWY. 272 JCT.
 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy
 Level of Service 5C: 1 Mainline Rte. Number 5D: 01585
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility: Unknown
 SHD District 2: District 1 County Code 3: Trigg (111)
 Place Code 4: FIPS 0000 Mile Post 11: 4.870 mi
 Feature Intersected 6SINKING FORK
 Latitude 16: 36d 49' 26" Longitude 17: 087d 42' 25"
 Border Bridge Code 98: Unknown (P)
 Border Bridge Number 99

INSPECTION

Frequency 91: 12 months Inspection Date 90: 9/9/2010 Next Inspection: 09/09/2011
 FC Frequency 92A: NA FC Inspection Date 93A: NA Next FC Inspection: NA
 UW Frequency 92B: NA UW Inspection Date 93B: NA Next UW Inspection: NA
 SI Frequency 92C: NA SI Date 93C: NA Next SI: NA
 Element Frequency 12 months Element Inspection Date 09/09/2010 Next Elem. Insp. Due: 09/09/2011

CLASSIFICATION

Defense Highway 100: 0 Not a STRAHNET hwy Parallel Structure 101: No || bridge exists
 Direction of Traffic 102: 2 2-way traffic Temporary Structure 103: Not Applicable (P)
 Highway System 104: 0 Not on NHS NBIS Length 112: Long Enough
 Toll Facility 20: 3 On free road Functional Class 26: 08 Rural min Collector
 Defense Hwy 110: 0 Historical Significance 37: 5 Not eligible for NHRP
 Owner 22: 01 State Highway Agency
 Custodian 21: 01 State Highway Agency

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 40 Number of Spans Main Unit 45: 1
 Main Span Material/Design 43A/B:
 S Prestressed Concrete 05 Multiple Box Beam
 Deck Type 107: 2 Concrete Precast Panel
 Wearing Surface 108A: 6 Bituminous
 Membrane 108B: 0 None
 Deck Protection 108C: None

CONDITION

Deck 59: 6 Satisfactory Super 59: 6 Satisfactory Sub 60: 4 Poor
 Culvert 62: N N/A (NBI) Channel/Channel Protection 61: 7 Minor Damage

LOAD RATING AND POSTING

Inventory Rating Method 61 LF Load Factor Operating Rating Method 61 LF Load Factor
 Inventory Rating 66: HS1.7 Operating Rating 64: HS1.7
 Design Load 31: 5 MS 18 (HS 20) Posting 70: 0 >39.9% below
 Posting status 41: P Posted for load

AGE AND SERVICE

Year Built 27: 1970 Year Reconstructed 106: 0
 Type of Service on 42A: 1 Highway
 Type of Service under 42B: 5 Waterway
 Lanes on 28A: 2 Lanes Under 28B: 0 Detour Length 19 1.9 mi
 ADT 29: 144 Truck ADT 109: % Year of ADT 30: 2009

APPRAISAL

Bridge Rail 36A: 0 Substandard Approach Rail 36C: 0 Substandard
 Transition 36B: 0 Substandard Approach Rail Ends 36D: 0 Substandard
 Str. Evaluation 67: 3 Deck Geometry 68: 2 Intolerable - Replac
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)
 Waterway Adequacy 71: 7 Above Minimum Approach Alignment 72: 4 Minimum Tolerable
 Scour Critical 113: 8 Stable Above Footing

GEOMETRIC DATA

Length Max Span 48: 49.9 ft Structure Length 49: 53.1 ft
 Curb/Sdwk Width L 50A-1.0 ft Curb/Sidewalk Width R 50B 1.0 ft
 Width Curb to Curb 51: 16.7 ft Width Out to Out 52: 18.4 ft
 Approach Roadway Width 32: 16.1 ft Median 33: 0 No median (w/ shoulders)
 Deck Area: 976.5 sq. ft
 Skew 34: 0.00° Structure Flared 35: 0 No flare
 Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 16.40 ft
 Minimum Vertical Clearance Over Bridge 53: 328.1 ft
 Minimum Vertical Underclearance Reference 54A: N Feature not hwy or RR
 Minimum Vertical Underclearance 54B: 0.0 ft
 Minimum Lateral Underclearance Reference R 55A: N Feature not hwy or RR
 Minimum Lateral Underclearance R 55: 0.0 ft
 Minimum Lateral Underclearance L 56: 0.0 ft

PROPOSED IMPROVEMENTS

Bridge Cost 94: \$ 123,000 Type of Work 75: 34 Widen w/ Deck Re
 Roadway Cost 95: \$ 14,000 Length of Improvement 76: 2 ft
 Total Cost 96: \$ 136,000 Future ADT 114: 175
 Year of Cost Estimate 97 1999 Year of Future ADT 115: 2029

NAVIGATION DATA

Navigation Control 38: 0 0
 Vertical Clearance 39: 0.0 ft Horizontal Clearance 40: 0.0 ft
 Pier Protection 111: Not Applicable (P) Lift Bridge Vertical Clearance 116: 0.0 ft

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	13/1	Unp Conc Deck/AC Ovl	(SF)	875	0 %	0	100 %	875	0 %	0	0 %	0	0 %	0
1	104/1	P/S Conc Box Girder	(LF)	318	0 %	0	100 %	318	0 %	0	0 %	0	0 %	0
1	206/1	Timber Column	(EA)	10	0 %	0	0 %	0	50 %	5	50 %	5	0 %	0
1	234/1	R/Conc Cap	(LF)	41	0 %	0	100 %	41	0 %	0	0 %	0	0 %	0
1	330/1	Metal Rail Uncoated	(LF)	106	100 %	106	0 %	0	0 %	0	0 %	0	0 %	0
1	561/1	Scour Smart Flag	(EA)	1	100 %	1	0 %	0	0 %	0	0 %	0	0 %	0

09/09/2010

111B00054N



Looking North



Looking South



Bent 1



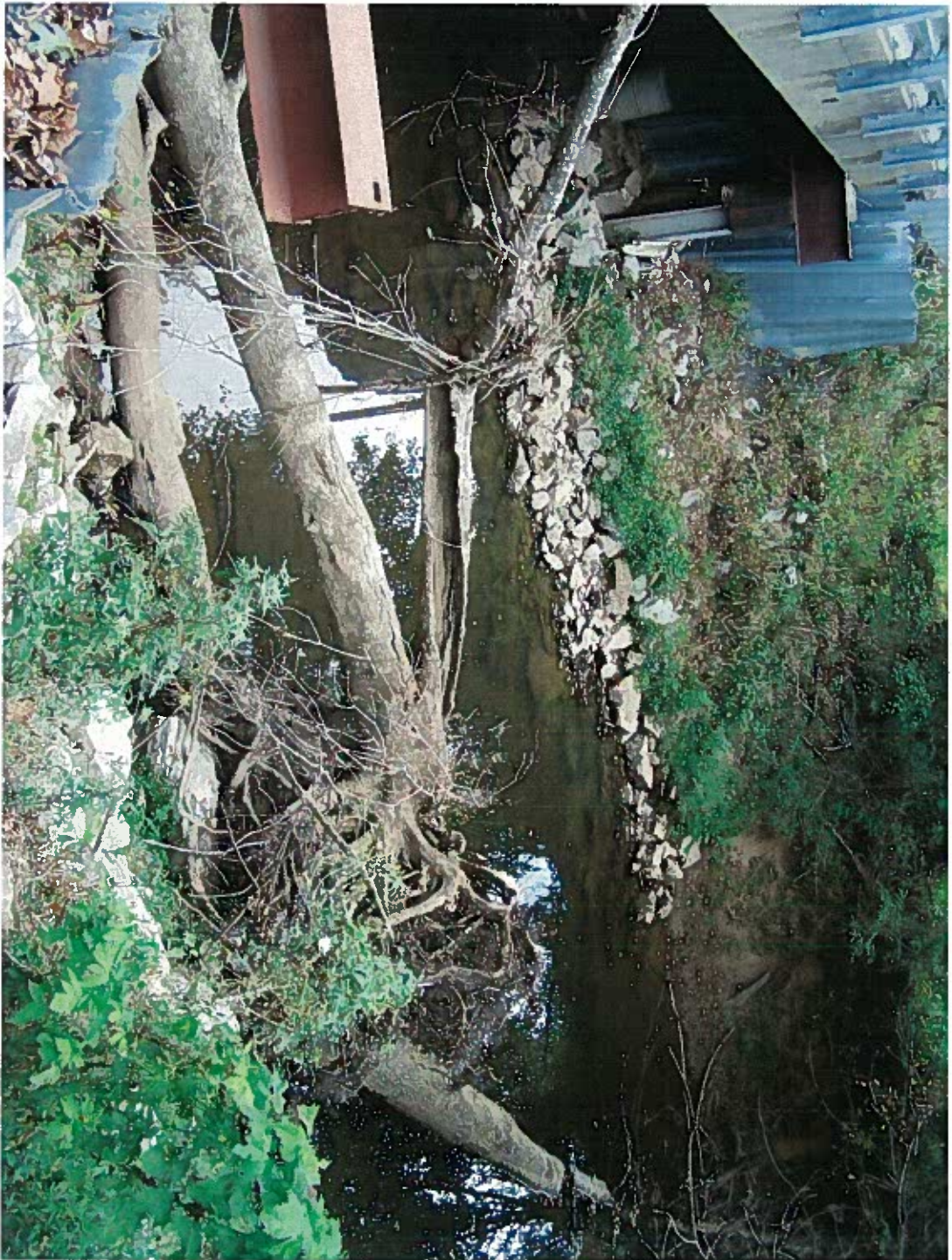
Bent 2, uspsream side
false bent support



Bent 2



Box Beams



Drift