

Structure Inventory and Appraisal Sheet (English Units)

Bridge Key: 8094 Agency ID: 063B00069N SR: 23.8 SD/FO: SD

IDENTIFICATION

State 1: 21 Kentucky Struc Num 8: 063B00069N
 Facility Carried 7: KY-578 Location 9: .10 MI W OF W-JCT KY 638
 Rte.(On/Under)5A: Route On Structure Rte. Signing Prefix 5B: 3 State Hwy
 Level of Service 5C: 1 Mainline Rte. Number 5D: 00578
 Directional Suffix 5E: 0 N/A (NBI) % Responsibility: Unknown
 SHD District 2: District 11 County Code 3: Laurel (063)
 Place Code 4: FIPS 0000 Mile Post 11: 5.289 mi
 Feature Intersected 6: RACCOON CREEK
 Latitude 16: 37d 13' 56" Longitude 17: 084d 00' 49"
 Border Bridge Code 98: Unknown (P)
 Border Bridge Number 99:

INSPECTION

Frequency 91: 12 months Inspection Date 90: 1/21/2011 Next Inspection: 01/21/2012
 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: 01/21/2011 Next Elem. Insp. Due: 01/21/2012

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 Not a STRAHNET hwy Historical Significance 37: 5 Not eligible for NRHP
 Owner 22: 01 State Highway Agency
 Custodian 21: 01 State Highway Agency

STRUCTURE TYPE AND MATERIALS

Number of Approach Spans 46: 0 Number of Spans Main Unit 45: 1
 Main Span Material/Design 43A/B:
 5 Prestressed Concrete 05 Multiple Box Beam
 Deck Type 107: 9 Other
 Wearing Surface 108A: 0 None
 Membrane 108B: 0 None
 Deck Protection 108C: None

CONDITION

Deck 58: 5 Fair Super 59: 6 Satisfactory Sub 60: 4 Poor
 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: HS5.6 Operating Rating 64: HS5.6
 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: 1969 Year Reconstructed 106: -4
 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: 515 Truck ADT 109: % Year of ADT 30: 2010

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: 4 Tolerable
 Underclearance, Vertical and Horizontal 69: N Not applicable (NBI)
 Waterway Adequacy 71: 8 Equal Desirable Approach Alignment 72: 6 Equal Min Criteria
 Scour Critical 113: 8 Stable Above Footing

GEOMETRIC DATA

Length Max Span 48: 60.0 ft Structure Length 49: 60.0 ft
 Curb/Sdwk Width L 50A: 1.3 ft Curb/Sidewalk Width R 50B: 1.3 ft
 Width Curb to Curb 51: 22.0 ft Width Out to Out 52: 24.0 ft
 Approach Roadway Width 32: 24.0 ft Median 33: 0 No median (w/ shoulders)
 Deck Area: 1,440. sq. ft
 Skew 34: 0.00 * Structure Flared 35: 0 No flare
 Vertical Clearance 10: 99.99 ft Horiz. Clearance 47: 21.98 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: \$ 0 Type of Work 75: Unknown (P)
 Roadway Cost 95: \$ 0 Length of Improvement 76: 0.0 ft
 Total Cost 96: \$ 0 Future ADT 114: 628
 Year of Cost Estimate 97: Unknown Year of Future ADT 115: 2030

NAVIGATION DATA

Navigation Control 38: 0 Permit Not Required
 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	12/1	Bare Concrete Deck	(SF)	1,290	0 %	0	100 %	1,290	0 %	0	0 %	0	0 %	0
1	104/1	P/S Conc Box Girder	(LF)	480	94 %	450	6 %	30	0 %	0	0 %	0	0 %	0
1	206/1	Timber Column	(EA)	6	0 %	0	17 %	1	0 %	0	83 %	5	0 %	0
1	215/1	R/Conc Abutment	(LF)	52	0 %	0	100 %	52	0 %	0	0 %	0	0 %	0
1	234/1	R/Conc Cap	(LF)	52	0 %	0	100 %	52	0 %	0	0 %	0	0 %	0
1	334/1	Metal Rail Coated	(LF)	120	0 %	0	0 %	0	100 %	120	0 %	0	0 %	0

Structure Inventory and Appraisal Sheet (English Units)

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	361/1	Scour Smart Flag	(EA)	1	0%	0	100%	1	0%	0	0%	0	0%	0
1	503/1	RC Curb	(LF)	120	17%	20	83%	100	0%	0	0%	0	0%	0
1	608/1	Long. Shear Keys	(EA)	1	0%	0	100%	1	0%	0	0%	0	0%	0

Str Unit	Elm/Env	Description	Element Notes
1	12/1	Concrete Deck - Bare	L.T. SPALLS @ JOINTS. CRKS SOME LOC.
1	104/1	P/S Conc Closed Web/Box Girder	HL LONG. CRKS SOME LOC. INT. BMS
1	206/1	Timber Column or Pile Extension	E. ABUT. TIMBER PILES OUT OF ALIGNMENT
1	215/1	Reinforced Conc Abutment	WEATHERED
1	234/1	Reinforced Conc Cap	WEATHERED, SCALING, SCOURED UNDERNEATH
1	334/1	Metal Bridge Railing - Coated	RUSTY
1	361/1	Scour	@ E. ABUT. SOME POTENTIAL DUE TO TOP OF PILING EXPOSED. NO APPARENT CHANGE SINCE LAST INSPECTION.
1	503/1	Reinforced Concrete Curb	MINOR SCALING
1	608/1	Longitudinal Shear Keys	

BRIDGE NOTES

PORTION OF PILING EXPOSED AT EASTERN ABUTMENT. NO APPARENT SETTLING IN CAP OBSERVED.

PAST INSPECTION

Inspection Date: 01/21/2011 Type: 3 Substandard (12 months)
 Inspector: TBALL Pontis User Key: TBALL - Tim Ball
 Scope:
 NBI: Other: Element:
 Underwater: Fracture Critical:

INSPECTION NOTES

POSTED FOR 10 TONS