

KYTC Bridge Inspection Report

Summary:

Inspection Date: 10/7/2010
 Inspector: JBEASLEY (18)
 Primary Type: Standard (24 Months)

Types of Inspections Performed:

National Bridge Inventory: Y
 Element: Y
 Fracture Critical: N
 Underwater: N
 Other Special: N

Inspector Signature: _____

District Review Date: 10/18/2010

District Reviewer: BHOUCK (7)

IDENTIFICATION			
Bridge ID (8):	092B00034N	MAP BRIDGE	District Number: 2
Route Carried (7):	US-62		County (3): 92 Ohio
Mile Point:	12.314		Feature Intersected (6): MUDDY CK.
Location (9):	.4 MI W OF JCT KY 1543		Road Name: US-62
Structure Description:	117.13 Foot - 3 Span Concrete Tee Beam		

NBI CONDITION		SCHEDULE TAB				
Deck (58):	5	Schedule:	Required (Y/N)	Last Date	Frequency	Next Date
Superstructure (59):	4	NBI (90):		10/7/2010	(91): 24 mos	10/7/2012
Substructure (60):	5	Fracture Critical (92A):	N	(93A): 1/1/1901	(92A): mos	1/1/1901
Culverts (62):	N	Underwater (92B):	N	(93B): 1/1/1901	(92B): mos	1/1/1901
Channel/Protection (61):	6	Other Special (92C):	N	(93C): 1/1/1901	(92C): mos	1/1/1901
		Elemental:	NA		24 mos	10/7/2012

Load Rating and Posting						WATERWAY	
Truck Type	Typ I	Typ II	Typ III	Typ IV	Gross	Scour Critical (113):	8
Recomm. Posting:	28	30	34	52		Observed 113 Rating:	8
Field Posting:	-1	-1	-1	-1	-1	Waterway Adeq. (71):	8
Posting Status (41):	A Open, no restriction						
Signs Posted:	Cardinal:	N	Non-Cardinal:	N			

DECK/WEARING SURFACE							
Deck Type (107):	1 Concrete-Cast-In-Place						
Wearing Surface/Protective System (108):	Type: 6	Membrane: 0	Protection: 0				
Traffic Safety Features (36):	Bridge Rail: 0	Transition: 1	Appr. Rail: 1	Rail Ends: 1			
Overlay:	Y						
Overlay Type:	Asphalt						
Overlay Thickness:	4.00						

Vertical Clearances	
Minimum Vertical Overclearance (53):	99.99
Minimum Vertical Underclearance (54):	0.00
Maximum Vertical Clearance (10):	99.99
Minimum Vertical Clearance:	99.99

Sufficiency Ratings		
SR:	49.30	SD/FO: 1 Structurally Deficient

Element Condition State Data								
Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
110/1	R/Conc Open Girder	LF	472.00	0.00	437.00	15.00	20.00	0.00
13/1	Unp Conc Deck/AC Ovl	SF	2,344.00	0.00	2,344.00	0.00	0.00	0.00
205/1	R/Conc Column	EA	4.00	0.00	4.00	0.00	0.00	0.00

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Element Condition State Data

Elm/Env	Description	Units	Total Qty.	Qty. CS1	Qty. CS2	Qty. CS3	Qty. CS4	Qty. CS5
215/1	R/Conc Abutment	LF	48.00	38.00	10.00	0.00	0.00	0.00
234/1	R/Conc Cap	LF	74.00	63.00	9.00	2.00	0.00	0.00
330/1	Metal Rail Uncoated	LF	236.00	236.00	0.00	0.00	0.00	0.00
359/1	Soffit Smart Flag	EA	1.00	0.00	1.00	0.00	0.00	0.00
363/1	Section Loss SmFlag	EA	1.00	0.00	1.00	0.00	0.00	0.00
503/1	RC Curb	LF	236.00	0.00	70.00	166.00	0.00	0.00
611/1	Embankment Erosion	EA	1.00	0.00	1.00	0.00	0.00	0.00

Element Condition State Data

Str	Unit	Elm/Env	Description	Description
1		110/1	R/Conc Open Girder	Some of the beams are cracking and spalling with rebar exposed and efflorescence present. The beams are have map cracking and efflorescence present at the bearings. Span 1 beam 4 has an 10' foot section of beam that has the bottom rung of steel exposed, the rebar is rusty. There are several spalls and several forming the beams at the abutments are heavily map cracked.
1		13/1	Unp Conc Deck/AC Ovl	The asphalt overlay is cracking and deteriorating.
1		205/1	R/Conc Column	there is moderate wear on columns at flowline
1		215/1	R/Conc Abutment	There is hairline cracking and efflorescence present.
1		234/1	R/Conc Cap	The ends of the pier caps are worn and deteriorated and there is a small spall exposing rebar.
1		330/1	Metal Rail Uncoated	< none >
1		359/1	Soffit Smart Flag	There are numerous cracks with efflorescence present through out the soffit.
1		363/1	Section Loss SmFlag	The exposed rebar is rusty, where the concrete has spalled.
1		503/1	RC Curb	The entire curb is worn and deteriorated with the majority of the curb spalled and worn to aggregate and in some areas the steel reinforcement is exposed.
1		611/1	Embankment Erosion	The bank abutment 1 has been moderately eroded.

BRIDGE.Notes

this bridge should be considered for replacement

Work Candidates

Inspector Candidates:

Candidate ID:	Status	Priority	Assigned	Action	Elem	Date Recommended
A-KYTC-10A4071F-00000033	Approved	High	Unassigned	41	234	10/31/2008
A-KYTC-10A4071F-00000039	Approved	High	Unassigned	33	105	10/31/2008
A-KYTC-10A4071F-0000003B	Approved	High	Unassigned	31	503	10/31/2008
A-KYTC-10A4071F-0000003D	Approved	Medium	Unassigned	11	0	10/7/2010