IOWADOT

Structure Inventory and Appraisal

Bridge ID: CHARTER OAK-129771
FHWA No.: 129771

Official	SR:	SD/FO:
Unofficial	SR: 87.6	SD/FO: Not Deficient or Obsolete

IDENTIFICATION

7 Facility Carried:	K AVE
5B Rte. Signing Prefix:	4
5C Level of Service:	1 - MAINLINE
5D Inventory Route:	00000
City:	RURAL
3 County:	024 - Crawford
9 Location:	0.6 Mi E NE Cor 84-41-30
5E Directional Suffix:	0 - NOT APPLICABLE
6 Feature Intersected:	MIDDLE SOLDIER RIVER
2 District:	0
Garage:	000
98 Border Bridge Code:	
% Responsibility:	
99 Border Bridge No.:	

STRUCTURE TYPE AND MATERIALS

43A Main Span	3 - Steel
43B Main Span Design:	02 - Stringer/Multi-beam or Girder
45 No. Spans Main Unit:	1
44A Appr. Span	003 - Steel
44B Appr. Span Design:	002 - Stringer/Multi-beam or Girder
46 No. of Appr. Spans:	Near 1 Far 1
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

48 Length Max Span:	41.9 ft.
49 Structure Length:	122.8 ft.
34 Skew:	00°
Deck Area:	2947.20 sq. ft.
50B Curb/Sdwk Width R:	00 ft.
50A Curb/Sdwk Width L:	00 ft.
51 Width Curb to Curb:	24.0 ft.
52 Width Out to Out:	24.0 ft.
32 Appr. Roadway width: (w/ Shoulders)	28 ft.
33 Median:	0 - No median
35 Structure Flared:	00 - No flare
10 Vertical Clearance:	99'99"
47 Horiz. Clearance:	24'00"
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:	00'00000000000000000000000000000000"

NAVIGATION DATA

38 Navigation Control:
0 - No navigation control on waterway (bridge permit not required)

111 Pier Protection:	1 - Navigation protection not required
39 Vertical Clearance:	00'00"
40 Horiz. Clearance:	000'00"

16 Latitude: 42.06645967 17 Longitude: -95.66407623

FRA No. (if RR Bridge):
Mile Post:

INSPECTION

90 Inspection Date:	04/02/2015	Inspection Type:	N/A
Next Routine Insp Date:	04/02/2017	91 Frequency:	24
		Next Insp Type:	Regular
Inspection Agency:	2 - County	Inspection Group:	PJA/Cary
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.:	NA
Other Non-NBI Date:			
Other Non-NBI Freq.:		Next Other Insp.:	NA

CONDITION

58 Deck:	9 - Excellent Condition
59 Super:	8 - Very Good Condition (no problems noted)
60 Sub:	8 - Very Good Condition (no problems noted)
61 Channel/Channel Prot.:	8 - Banks are protected
62 Culvert:	N - Not Applicable

APPRAISAL

67 Str. Evaluation:	6 - Equal to present minimum criteria
68 Deck Geometry:	6 - Equal to present minimum criteria
69 Underclear Vert & Horiz:	N - Not applicable
71 Waterway Adequacy:	9 - Bridge Above Flood Water Elevations
72 Approach Alignment:	8 - Equal to present desirable criteria
36A Bridge Rail:	1 - MEETS CURRENT SAFETY STANDARDS.
36B Transition:	N - FEATURE NOT REQUIRED
36C Approach Rail:	N - FEATURE NOT REQUIRED
36D Approach Rail Ends:	N - FEATURE NOT REQUIRED
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:	32.3 Tons
65 Rating Method:	2 - Allowable Stress (AS) reported in english tons using HS-20 loading.
66 Inventory Rating:	26.9 Tons
70 Posting:	5 - Equal to or above legal loads
41 Posting Status:	A - Open

AGE AND SERVICE

27 Year Built:	2014	Design No.:	0
106 Year Reconstructed:			
42A Type of Service on:	1 - Highway		
42B Type of Service Under:	5 - Waterway		
28A Lanes on:	2	28B Lanes under:	0
29 ADT:	25	30 Year of ADT:	2012
109 Truck ADT:	0 %	Speed Limit:	55
19 Detour Length:	4 mi.		

CLASSIFICATION

112 NBIS Length:	Y
26 Functional Class:	09 - Rural - Local
100 STRAHNET:	0 - Not a defense highway
101 Parallel Structure:	N - No parallel structure
102 Direction of Traffic:	2 - 2-way traffic
22 Owner:	02 - County Highway Agency
21 Custodian:	02 - County Highway Agency
37 Historical Significance:	5 - Not eligible
75A Type of Work Proposed:	
75B Work Done by:	