STRUCTURAL INVENTORY & APPRAISAL SHEET

COUNTY _____ BRIDGE NO. _____ ROUTE _____

IDENTIFICATION

1 State MISSOURI
2 Hwy District _____
3 County _____
4 Place _____
5 Inventory Rte. _____ ☐ On ☐ Under
6 Features Intersected _____
7 Facility Carried _____
8 Structure No. _____
9 Location S _____ T _____ R _____
11 Milepoint _____ . ___
16 Latitude _____ __ D __ . _ '
17 Longitude _____ __ D __ . _ '
98 Border Bridge State _____
% Responsibility _____
99 Border Br. Str. No. _____

STRUCTURE TYPE AND MATERIAL

CODE

43 Structure Type-Main _____
44 -Approach _____
45 Number of Spans-Main _____
46 -Approach _____
107 Deck Structure Type: _____

1-Conc. CIP 2-Conc. P/C Panels
3-Open Grating 4-Closed Grating
5-Steel Plate 6-Corr. Steel
7-Aluminum 8-Timber
9-Other N-Not Applicable
( ) Check if Post Tensioned Concrete

AGE AND SERVICE

19 By-pass, Detour Length _____
27 Year Built _____
28 Lanes on Str. _____ Under _____
29 ADT on Str. _____ 30 Year _____

CODE

42 Type Service _____
106 Year Reconstructed _____
109 Truck ADT on Str.(percent) _____

GEOMETRIC DATA

10 Inventory Rte. Min. Vert. Clear. ___ Ft. ___ In.
32 Appr. Rdwy. Width W/Sh'ld. _____ Ft.
Includes stabilized all weather sh'ld. (State System)
Includes sh'ld. with same surface as roadway (Non-State Off-System)
33 Br. Median: _____ 0-None 1-Open
2 - Closed Median (No Barrier)
3-Closed/Non-Mountable Barriers
34 Skew _____ Deg
35 Struct. Flared ☐ Yes ☐ No
47 Total Horiz. Clear _____ Ft.
48 Max. Span Length _____ Ft.
49 Structure Length _____ Ft.
50 Sidewalk or Curb Lt ___ . ___ Ft. Rt ___ . ___ Ft.
51 Br. Width (Curb-Curb) _____ Ft.
52 Deck Width (Out-Out) _____ Ft.
53 Vert. Clearance Over Deck ___ Ft. ___ In.
54 Under Clearance-Vert.: Ref ___ ; ___ Ft. ___ In.
55 -Lateral-Right: Ref ___ ; ___ . ___ Ft.
56 -Left _____ Ft.

NAVIGATION DATA

38 Navigation Control: ☐ N/A ☐ Yes ☐ No
39 - Vertical _____ Ft.
40 - Horizontal _____ Ft.
111 Pier Protection(For Navigation): _____
116 Vert-Lift Br .Nav. Min Vert. Clear. _____ Ft.

CLASSIFICATION

20 Toll Status _____
1-Toll Bridge 2-On Toll Rd.
3-On Free Rd. 4-Interstate Toll, S.A.
5-Toll Br., S.A.
21 Maintain _____
22 Owner _____
26 Functional _____
37 Historical Significance _____
(To be completed by Main Office)
100 Defense Hwy. ___ (To be completed by M.O.)
101 Parallel Structure: _____ R-Rt. L-Lt. N-None
102 Direction Traffic: _____ 0 - No Hwy.Tr. 1 - 1 Way 2-2 Way 3-1 Lane Br.2 Way Tr.
103 Temporary Structure ☐ Yes ☐ No
104 Highway System: _____ 0-Not on NHS 1-On NHS
110 Designated Nat. Network: _____ 1-Yes 0-No
112 NBIS Bridge Length: _____ Y-Yes N-No

108 WEARING SURFACE/PROTECTIVE SYSTEM

108A Type of Wearing Surface _____

1-Concrete 2-Integral Concrete*
3-Latex Concrete 4-Low Slump Concrete
5-Epoxy Overlay 6-Bituminous
7-Timber 8-Gravel
9-Other 0-None
N-Not Applicable (applies only to structures with no deck)

* Separate layer of concrete added but not latex modified, low slump, etc.

108B Type Membrane _____

1-Built - up 2-Preformed Fabric
3-Epoxy 8-Unknown
9-Other 0-None
N-Not Applicable (applies only to structures with no deck)

108C Type of Deck Protection _____

1-Epoxy Coated Reinforcing 2-Galvanized Reinforcing
3-Other Coated Reinforcing 4-Cathodic Protection
6-Polymer Impregnated 7-Internally Sealed
8-Unknownm 9-Other
0-None N-Not Applicable (applies only to structures with no deck)

CONDITION

	Material	Condition Analysis	Rating (9-0 or N)
58 Deck			
59 Superstructure			
60 Substructure			
61 Channel & Channel Protection			
62 Culverts			

APPRAISAL

71 Waterway Adequacy (See Table) _____
72 Approach Roadway Alignment (See Manual) _____
36 Traffic Safety Features ____ Bridge Rail ____ Transition ____ Approach Guard Rail ____ Approach Rail Terminal
0-Does not meet Standards 1-Meets Standards N-Not Applicable

LOAD RATING AND POSTING

31 Design Load _____ Engr. Firm _____ Name of Engineer _____ P.E. No. _____
41 Structure Open, Posted or Closed to Traffic _____ A-Open, No Restrictions B-Open, Posting Recommended
D-Open, Temporary Shoring E-Open, Temporary Structure G-New Structure Not Open
K-Closed P-Posted R-Posted, Other Than Load Capacity
64 Operating Rating _____ 66 Inventory Rating _____
70 Bridge Posting: _____ (To be completed by Central Office) Approved posting _____ (To be completed by Central Office)

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SCOUR EVALUATION

113 Sour Critical Bridge: _____

Bridge Not Over Waterway	Code N	Stable, but Action Required	Code 4
Bridge Foundation Above Flood Level	9	Bridge Scour Critical, Foundation Unstable	3
Bridge Foundation Stable	8	Bridge Scour Critical, Immediate Action Required	2
Previous Problem Corrected	7	Bridge Scour Critical, Failure Imminent – Close	1
Scour Calculation/Evaluation Not Made	6	Bridge Scour Critical, Bridge Has Failed and Closed	0
Scour Within Footing Or Pile Limits	5		

Type of Scour Evaluation _____ C–Calculated O–Observed N – None

PROPOSED IMPROVEMENTS (To Be Completed By Central Office On Bridges Which Qualify For Federal Aid Only)

75 Type of Work _____

76 Improvement Length – Structure _____ Ft.

94 Bridge Improvement Cost..... $ _____,_____,000.

95 Roadway Improvement Cost $ _____,_____,000.

96 Total Project Cost..... $ _____,_____ ,000.

97 Year of Immprovement Cost Estimate.....19/20 __ __

114 Future ADT..... __ __ __ __ __ __

115 Year of Future ADT.....20 __ __

INSPECTIONS

90 Inspection Date ___ ___ ___ ___ (M M Y Y)

91 Designated Frequency..... ___ ___ (M M)

92 Critical Feature Inspection

(To be completed by C.O.)

	Y/N	(MONTHS) M	M
A) Fracture Critical Detail	___	___	___
B) Underwater Inspection	___	___	___
C) Other Special Inspection	___	___	___

93 Critical Feature Inspection Date:

	TYPE	(MONTHS) M	M	(YEAR) Y	Y
A) Fracture Critical Detail	___	___	___	___	___
B) Underwater Inspection	___	___	___	___	___
C) Other Special Inspection	___	___	___	___	___

Type of Underwater Inspection
D = Dive
W = Wade
Y = Dry

Type of Fracture Critical Inspection
C = Comprehensive
M = Most Fracture Critical Member

GENERAL _____