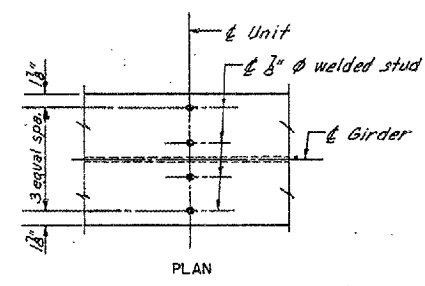
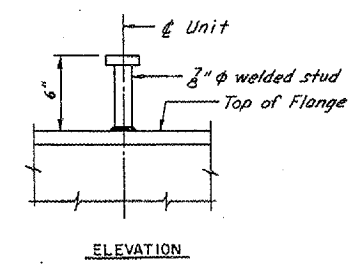


NOTES:
 The weight of shear connectors are included in the Structural Steel Quantities.
 There shall be no shear connector groups located at the L of piers nor at L Brg. Exp. Jt.
 For "Field Splice Details" see Sheet 83

Note:
 Offsets are given at 1/2 points between L Brg. Exp. Jt. and the field splice and at 1/10 points between field splices and between L Brg. East Abutment and field splice.



SHEAR CONNECTOR DETAIL
 (Wt. of one Shear Connector = 1.15 lbs.)

NOTE:
 28% of the "Dead Load Deflections" is due to structural steel and 72% is due to concrete.

Ⓣ denotes tension flange plate

ESTIMATED QUANTITIES		
ITEM	UNIT	QUANTITY
Structural Concrete (Class D)	Cu. Yds.	1232.4
Reinforcing Steel - Non Epoxy Coated	Lbs.	740,217
Reinforcing Steel - Epoxy Coated*	Lbs.	229,905
Structural Steel - A36	Lbs.	1,361,250
Structural Steel - A572	Lbs.	442,588
Structural Steel - A588	Lbs.	366,434
N. and S. Barrier Rail	Lin. Ft.	1198.0
Median Barrier Rail	Lin. Ft.	559.0

*Includes 344 lbs. of reinforcing steel in light blisters.

FOR INFORMATION ONLY



MISSISSIPPI RIVER BRIDGE
 KEOKUK, IOWA - HAMILTON, ILLINOIS

STEEL ALTERNATE
 DESIGN FOR 0° SKEW
 3340' x 64' CONTINUOUS WELDED PLATE GIRDER BRIDGE
 GIRDER ELEVATION AND DEFLECTIONS
 UNIT 5

STA. 80+40.00
 RIVER MILE 363.9
 LEE COUNTY, IOWA

PROJECT NO. BRP-18-(3)-38-98
 HANCOCK COUNTY, ILLINOIS

DESIGN SHEET 84 OF

6767-25-00

HOWARD NEEDLES TAMMEN & BERENDORFF
HNTB
 MADE JMH DATE 5-82 CHECKED LCY DATE 6-82