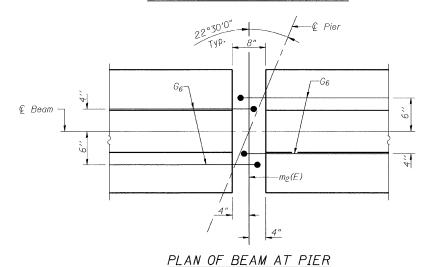
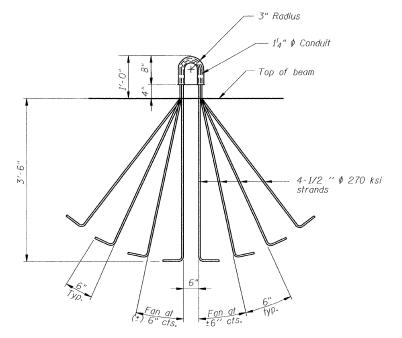


ELEVATION OF BEAM AT PIER



∟Bottom of beam



LIFTING LOOP DETAIL

SHEET NO. 17 OF 26 SHEETS FED. BOAC DIST.

Contract # 64CO3

NOTES

Inserts for $^34''$ ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be $^12''$ and the nominal cross-sectional area shall be 0.153 sq. in.

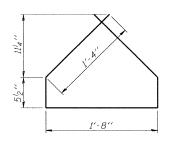
Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions).

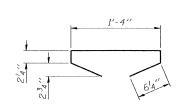
A minimum 2½ " \$\phi\$ lifting pin shall be used to engage the lifting loops during handling.

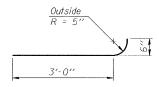
Cut G_6 bars when necessary to maintain ½" clearance.

The top and bottom plates shall be AASHTO M270 Grade 50.

The bottom plates and studs shall be galvanized according to AASHTO MIII. Threaded rods shall be ASTM F 1554 Grade 55.



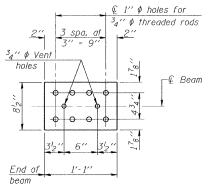




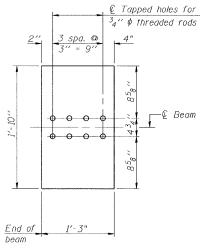
BAR G4

BAR G5

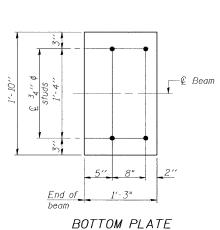
BAR G6



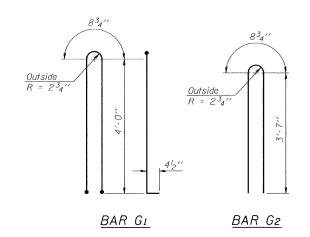
TOP PLATE



BOTTOM PLATE (Showing threaded rods)



(Showing studs)



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Furnishing and Erecting Precast Prestressed Concrete I-Beams, 48"	Ft.	1,220

See bearing details for pintle hole locations when required.

DESIGNED J.Z. CHECKED S.D.H. M.S.M. CHECKED J.Z.

BEAM DETAILS

IL Route 84 over Irish Hollow Creek

F.A.P. RTE 308, SECTION (103C-1BR)D JO DAVIESS COUNTY STATION 449+62.06 DATE: 12-11-08 S.N. 043-0037

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES INC
CHICAGO ILLINOIS