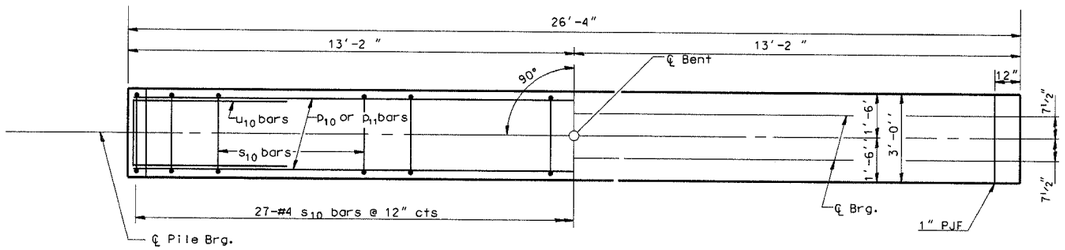
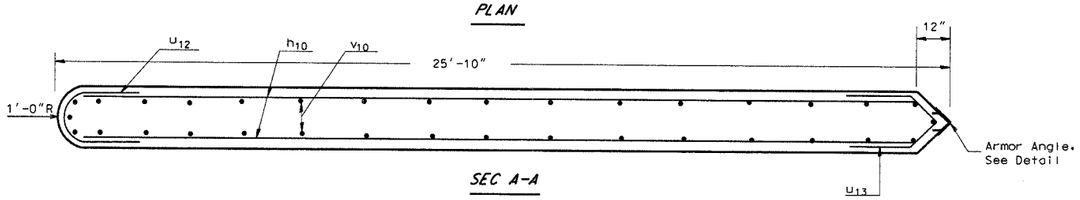
85352

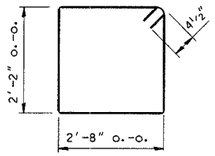
FAS RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 384	04-01119-00-BR 04-04126-00-BR	HENRY	13	10
F.H.W.A. REG.	ILLINOIS	PROJECT BR-OS-073(49)		



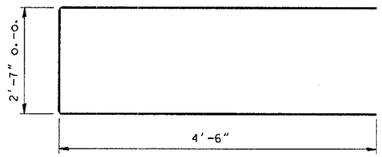
PLAN



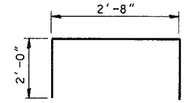
SEC A-A



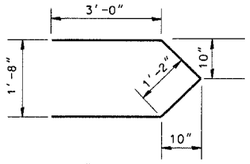
Bar s_{10}



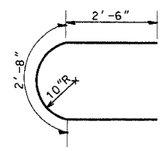
Bar u_{10}



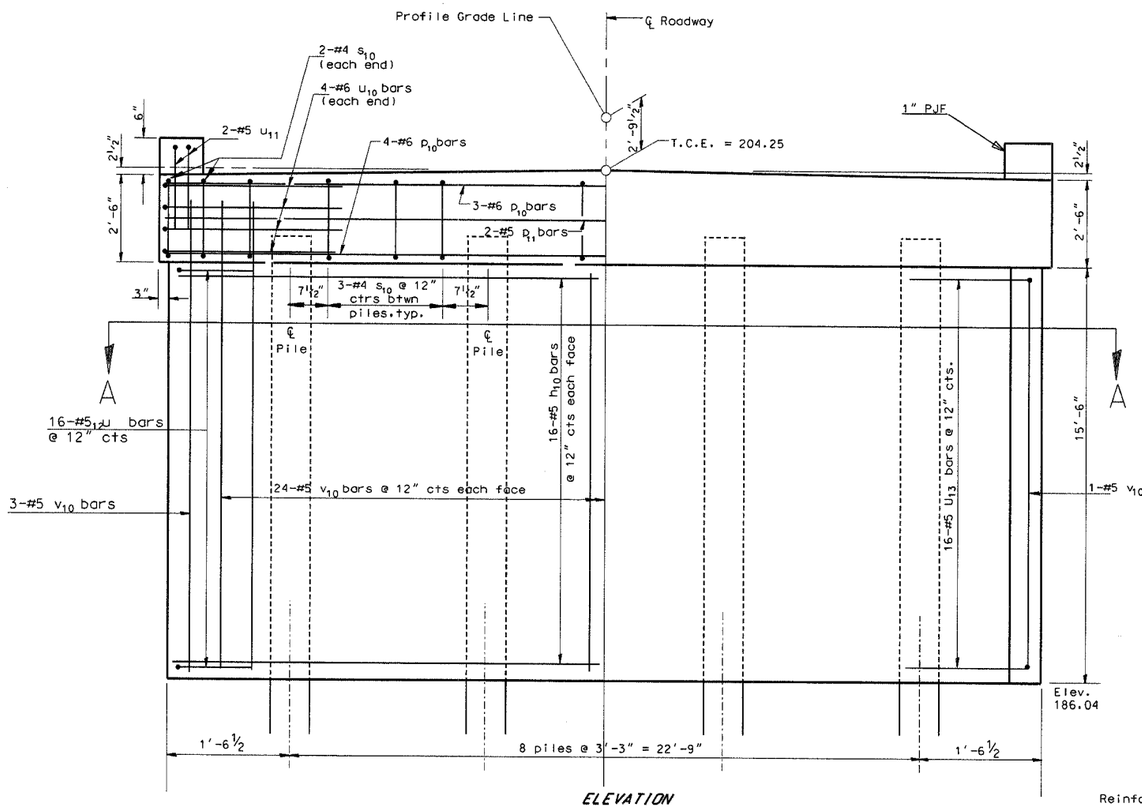
Bar u_{11}



Bar u_{13}

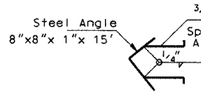


Bar u_{12}

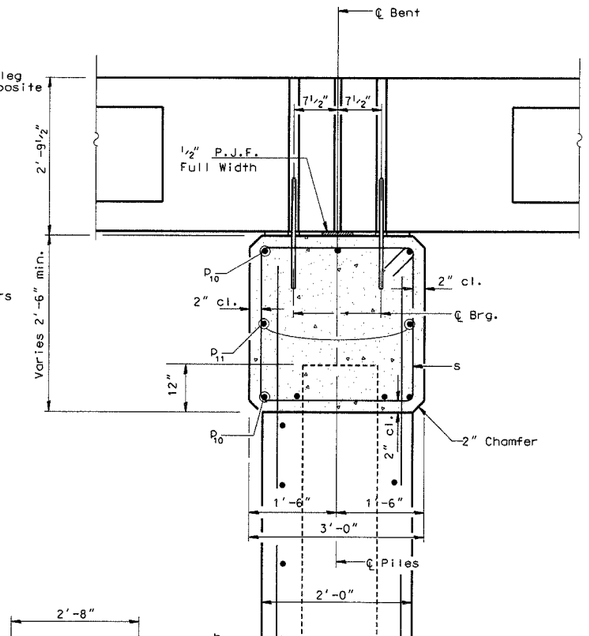


ELEVATION

DETAIL A
DETAIL OF ARMOR ANGLE



Place Armor Angle on Upstream End of Piers Only. Cast assembly with piers. Maintain a minimum of 2" clearance between armor angle and reinforcement The Armor Angle shall be galvanized in accordance with AASHTO M-111 and ASTM A-385
Cost of Armor Angle shall be included in concrete structures. Total Furnished Weight is Approx. 1690 lbs. total. both piers



SECTION THRU PIER
(At Right Angles)

BILL OF MATERIAL
FOR ONE PIER

Bar	No.	Size	Length	Shape
h_{10}	32	#5	23'-10"	
p_{10}	7	#6	26'-0"	
p_{11}	2	#5	26'-0"	
s_{10}	25	#4	10'-5"	
u_{10}	8	#6	11'-7"	
u_{11}	4	#5	6'-8"	
u_{12}	16	#5	7'-8"	
u_{13}	16	#5	8'-4"	
v_{10}	52	#5	17'-6"	
Concrete Structures			Cu. Yds.	36.6
Reinforcement Bars			Pound	2680
Structure Excavation			Cu. Yds.	26.5

NOTE

Reinforcement bars shall conform to A.A.S.H.T.O. M-31, M-42 or M-53, Grade 60.

DESIGN STRESSES

f'c = 3,500 psi
fy = 60,000 psi

P.P.C. DECK BEAMS
PILE BENT PIER

24' ROWY.	33'' BMS.	