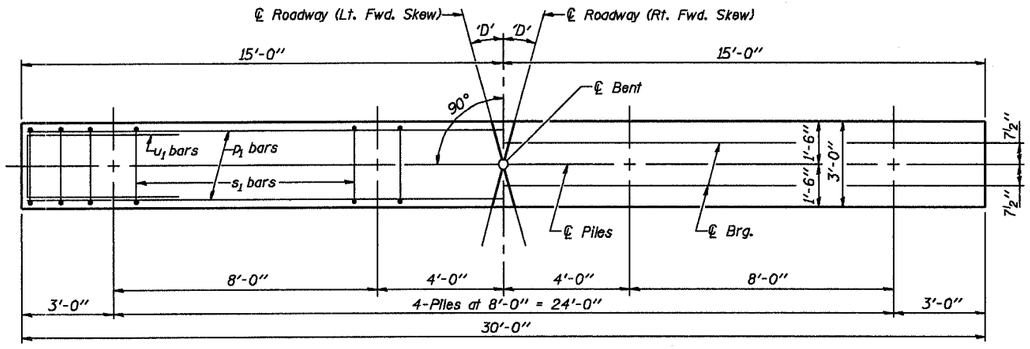
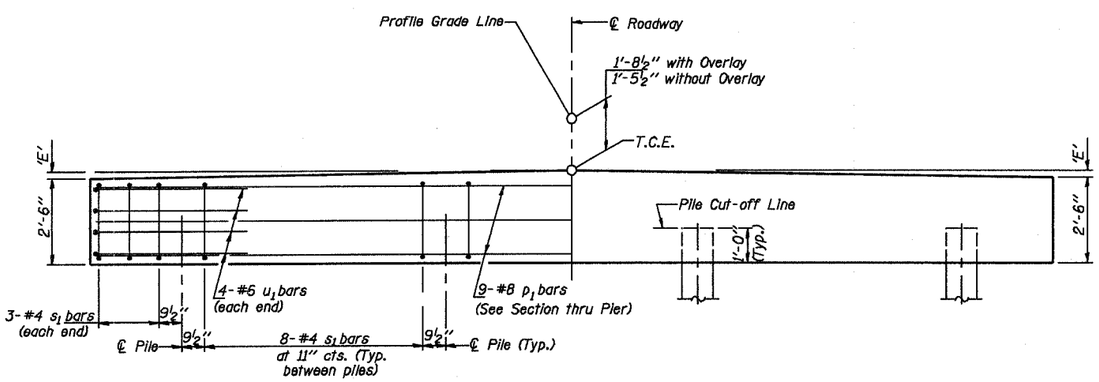
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 2792	00-00114-00-BR	MARION	14	10
FED. ROAD DIST. NO.		ILLINOIS	PROJECT	

CONTRACT NO. 95-CE81

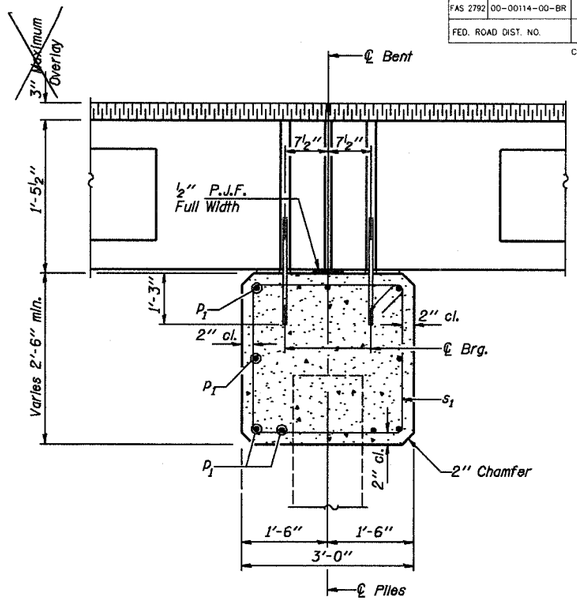


PLAN

('D'= Designated Skew Angle)



ELEVATION

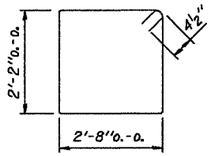


SECTION THRU PIER

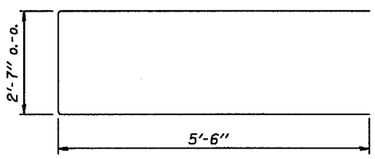
(At Right Angles)

DIMENSION 'E'

GRADE	'D'=25°		'D'=30°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2½"	2½"	2 3/8"	2 3/8"
Over 0% to 1%	2 1/8"	2 7/8"	2"	2 7/8"
Over 1% to 2%	1 3/8"	3 5/8"	1"	3 3/4"
Over 2% to 3%	5/8"	4 3/8"	1/8"	4 5/8"
Over 3% to 4%	0"	5 1/8"	——	——



BAR s_1



BAR u_1

BILL OF MATERIAL FOR ONE PIER

Bar	No.	Size	Length	Shape
p_1	9	#8	29'-8"	——
s_1	30	#4	10'-5"	□
u_1	8	#6	12'-7"	⊏⊐
Concrete Structures			8.7	Cu. Yds.
Reinforcement Bars			1070	Lb.

MAXIMUM PILE LOADS

SPAN	TONS
25'	34
30'	38
35'	42
40'	45

Longer of Either Span Supported by Pier.

DESIGN STRESSES

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

NOTE

Reinforcement bars shall conform to the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.

Illinois Department of Transportation

PASSED APRIL 4, 2005
Thomas S. Domagalski
Engineer of Bridge Design

APPROVED APRIL 4, 2005
Ralph E. Anderson
Engineer of Bridges and Structures

ISSUED 1-1-2001

P.P.C. DECK BEAMS PILE BENT PIER

24' RDWY.	17" BMS.	'D'=25° OR 30°

STANDARD CP-2417-30