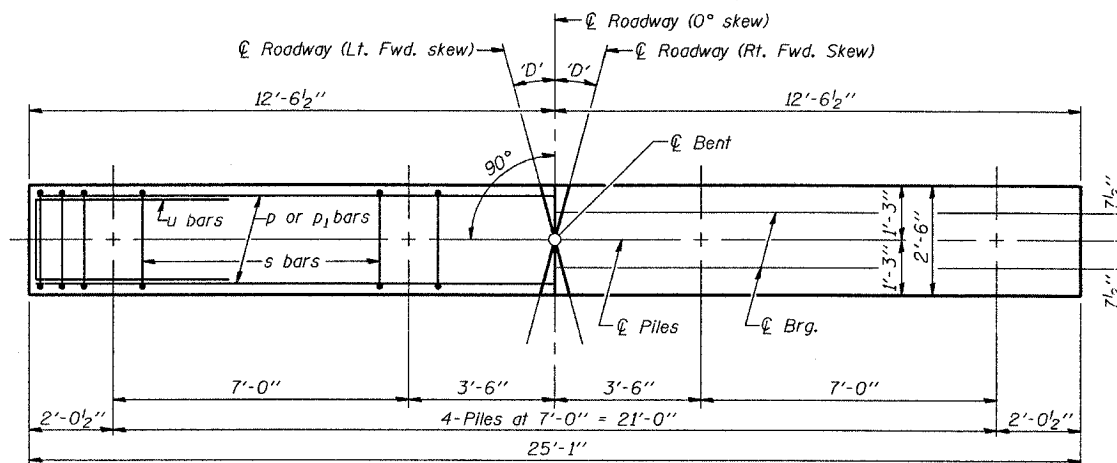
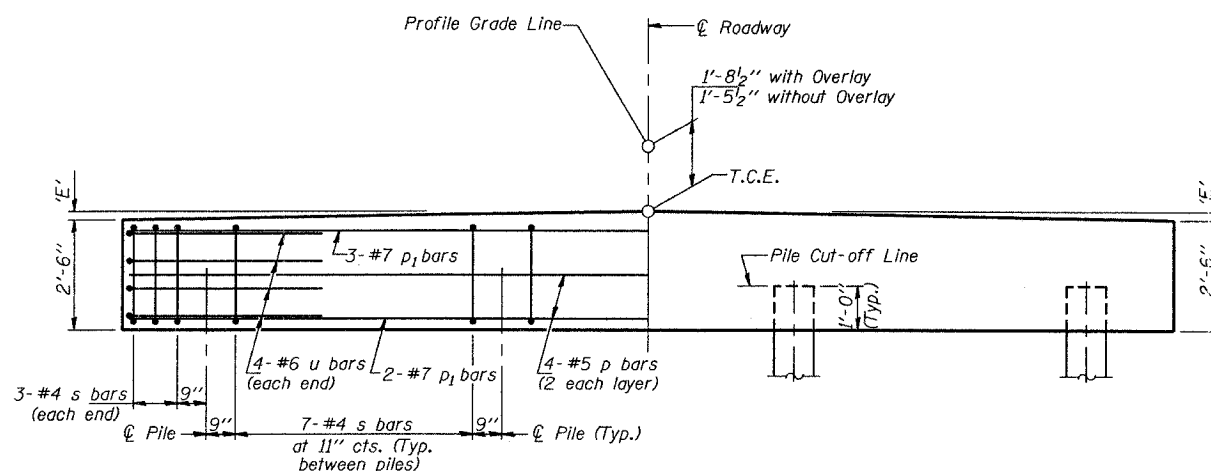


REF.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T.R. 274	03-10120-00-BR 03-18116-00-BR	FAYETTE	14	10
FED. ROAD DIST. NO. 7		BLINDS	FED. AID PROJECT NO.	
CONTRACT No. 95427				



PLAN
('D' = Designated Skew Angle)



ELEVATION

DIMENSION 'E'

GRADE	'D'=0°		'D'=5°		'D'=10°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2 ³ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "	2 ³ / ₈ "
Over 0% to 1%	2 ³ / ₈ "	2 ³ / ₈ "	2 ¹ / ₂ "	2 ³ / ₈ "	2 ¹ / ₂ "	2 ¹ / ₂ "
Over 1% to 2%	2 ³ / ₈ "	2 ³ / ₈ "	2 ¹ / ₂ "	2 ¹ / ₂ "	1 ⁷ / ₈ "	2 ³ / ₄ "
Over 2% to 3%	2 ³ / ₈ "	2 ³ / ₈ "	2"	2 ⁵ / ₈ "	1 ⁵ / ₈ "	3"
Over 3% to 4%	2 ³ / ₈ "	2 ³ / ₈ "	1 ⁷ / ₈ "	2 ³ / ₄ "	1 ³ / ₈ "	3 ¹ / ₄ "

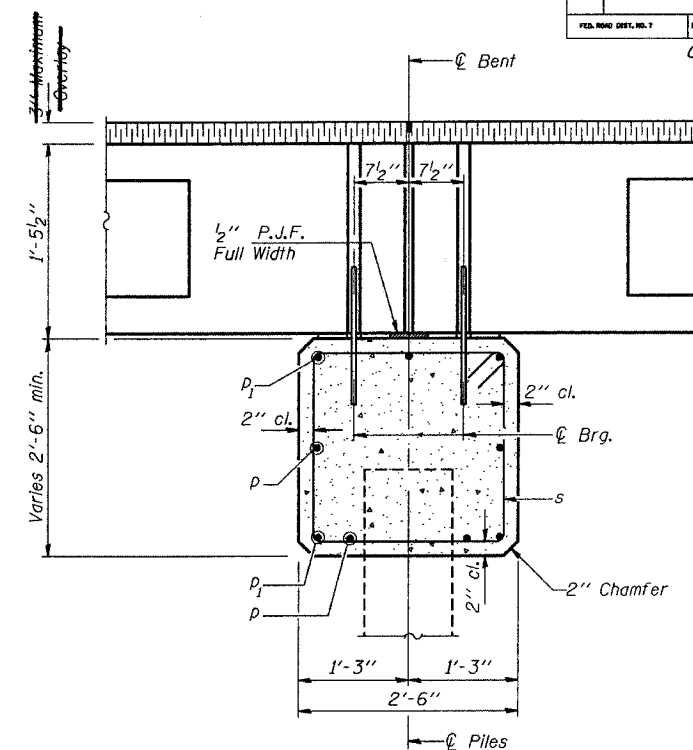
MAXIMUM PILE LOADS

SPAN	TONS
25'	53
30'	37
35'	41
40'	44

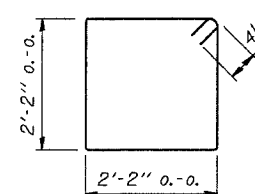
Longer of Either Span Supported by Pier

DESIGN STRESSES

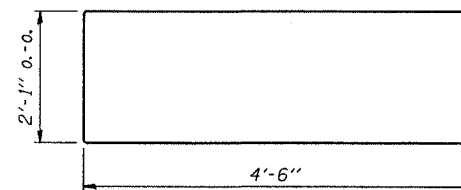
f'c = 3,500 psi
fy = 60,000 psi



SECTION THRU PIER
(At Right Angles)



Bar s



Bar u

BILL OF MATERIAL FOR ONE PIER

Bar	No.	Size	Length	Shape
p	4	#5	24'-9"	—
p1	5	#7	24'-9"	—
s	27	#4	9'-5"	□
u	8	#6	11'-1"	—
Concrete Structures			6.0	Cu. Yds.
Reinforcement Bars			660	Lbs.

NOTE

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

Illinois Department of Transportation
 PASSED November 1, 1995
Proj. O. Keppner
 Engineer of Bridge Design
 APPROVED November 1, 1995
Ralph E. Anderson
 Engineer of Bridges and Structures

**P.P.C. DECK BEAMS
 PILE BENT PIER**
 24' RDWY. 17" BMS. 'D'=0°, 5° OR 10°
 STANDARD CP-2417-10