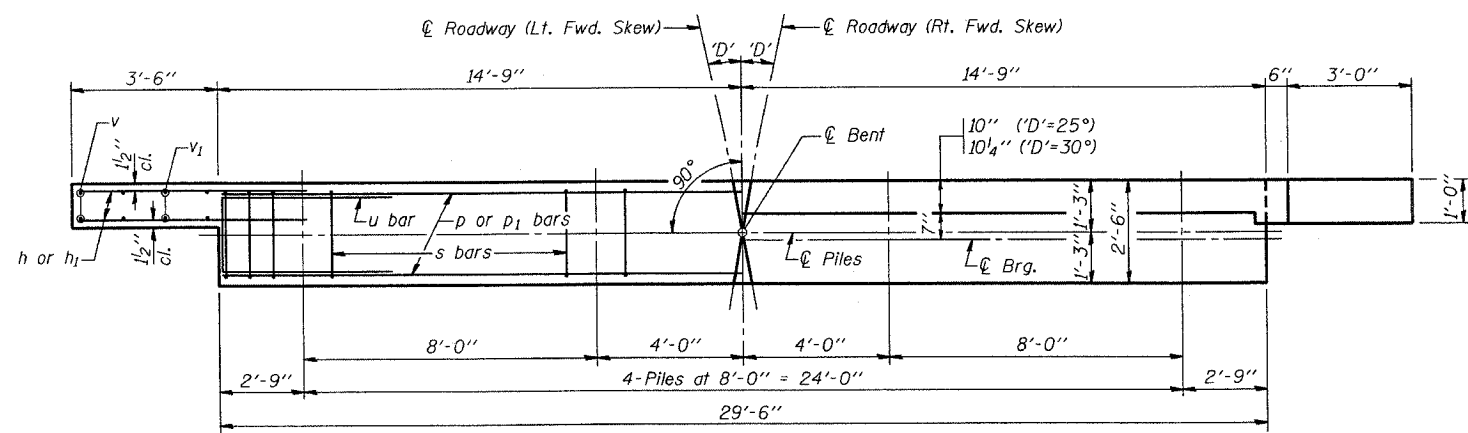
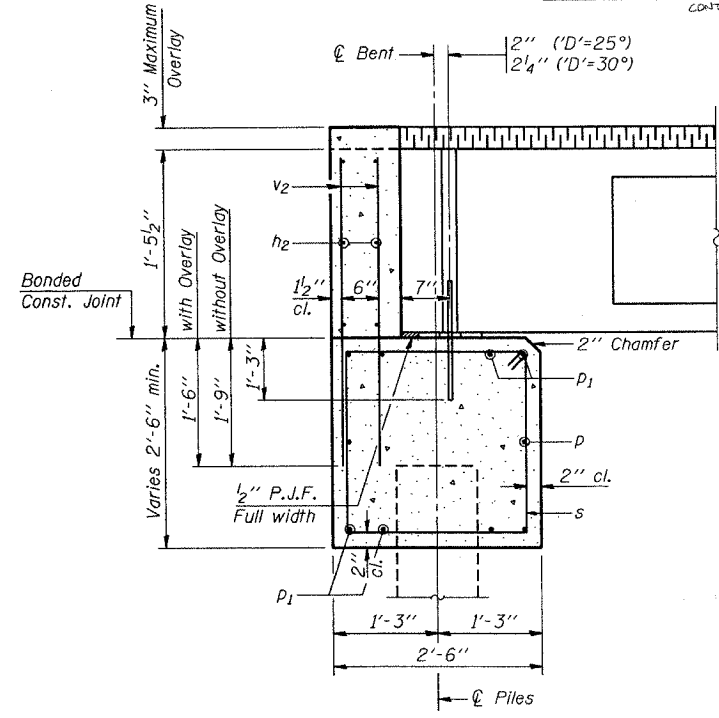


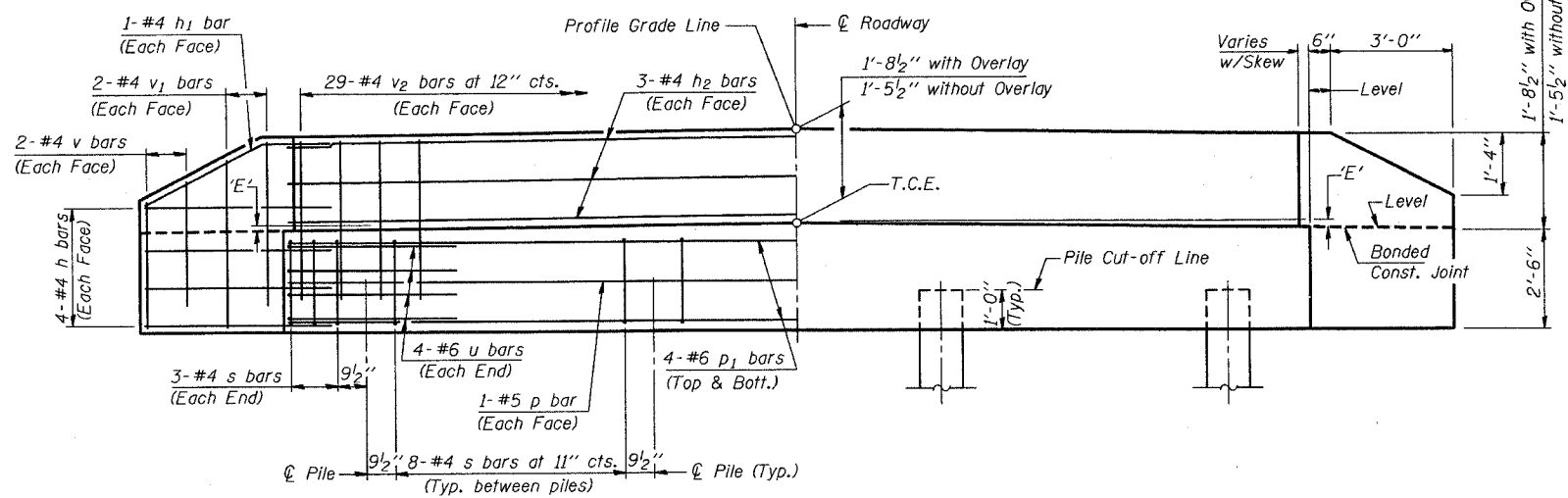
FILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 230	00-03030-00-BR	HAMILTON	13	8
FILE NO. PROJ. NO.		CONTRACT NO. 95421		



PLAN
(D=Designated Skew Angle)



SECTION THRU ABUTMENT
(At Right Angles)



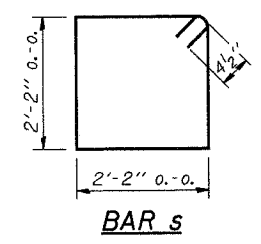
ELEVATION

DIMENSION 'E'

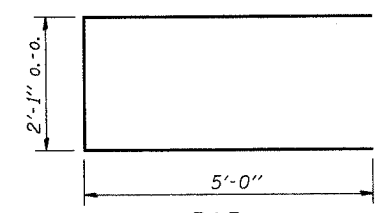
GRADE	D=25°		D=30°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
0%	2 1/2"	2 1/2"	2 3/8"	2 3/8"
Over 0% to 1%	2 5/8"	2 7/8"	2"	2 7/8"
Over 1% to 2%	1 3/8"	3 5/8"	1"	3 3/4"
Over 2% to 3%	5/8"	4 3/8"	1/8"	4 5/8"
Over 3% to 4%	0"	5 1/8"		

NOTES

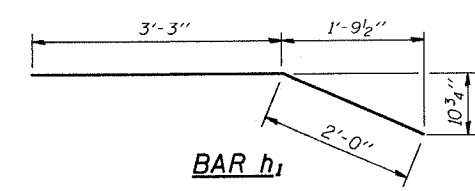
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to A.A.S.H.T.O. M-31, M-42 or M-53, Grade 60.



BAR s



BAR u



BAR h1

BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	—
h1	4	#4	5'-3"	—
h2	6	#4	29'-2"	—
p	2	#5	29'-2"	—
p1	8	#6	29'-2"	—
s	30	#4	9'-5"	□
u	8	#6	12'-1"	□
v	8	#4	2'-6"	—
v1	8	#4	3'-5"	—
v2	58	#4	3'-1"	—
Concrete Structures			9.7	Cu. Yds.
Reinforcement Bars			1080	Lbs.

MAXIMUM PILE LOADS

SPAN	TONS
25'	25
30'	26
35'	28
40'	30

DESIGN STRESSES

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

P.P.C. DECK BEAMS PILE BENT ABUTMENT		
24' RDWY.	17" BMS.	D=25° OR 30°
STANDARD CA-2417-30		

Illinois Department of Transportation
PASSED November 1, 1995
Orsi D. Kapa
Engineer of Bridge Design
APPROVED November 1, 1995
Ralph E. Walker
Engineer of Bridges and Structures