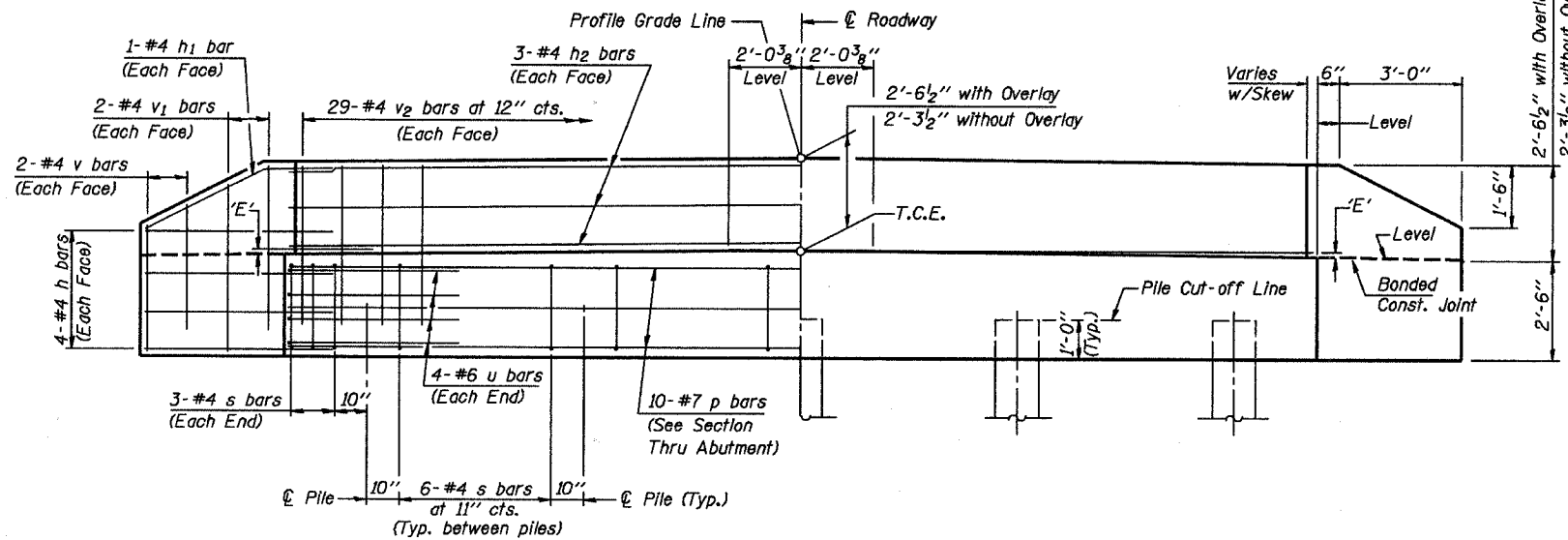


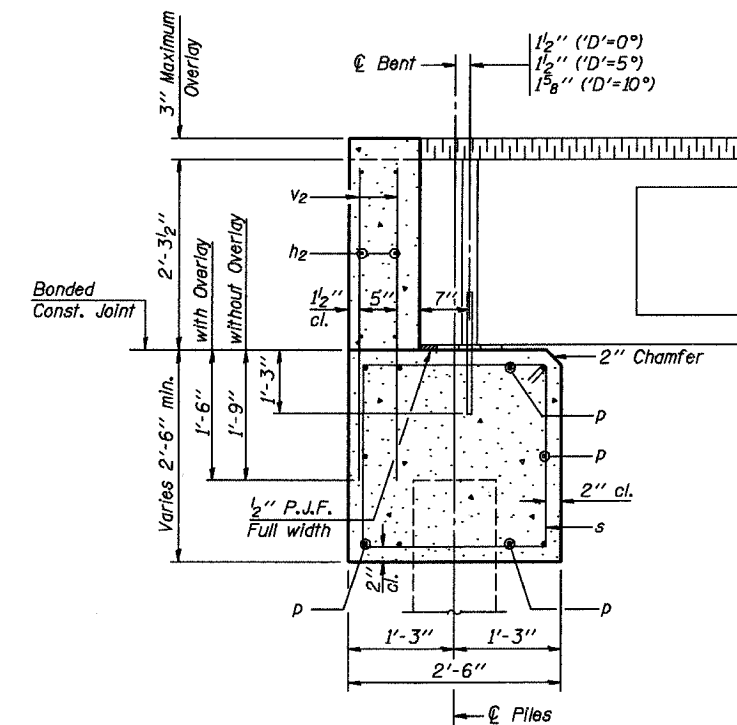
PLAN
(D=Designated Skew Angle)



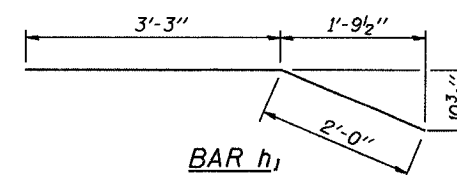
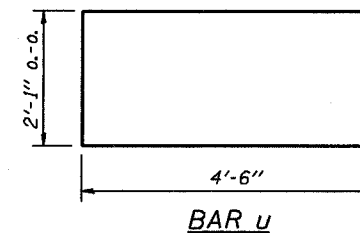
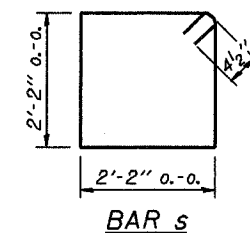
ELEVATION

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 1/4"	2 3/8"	2 1/8"	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 3/8"	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"



SECTION THRU ABUTMENT
(At Right Angles)



BILL OF MATERIAL FOR ONE ABUTMENT

Bar No.	Size	Length	Shape
h	#4	5'-0"	—
h1	#4	5'-3"	—
h2	#4	28'-10"	—
p	#7	28'-10"	—
s	#4	9'-5"	□
u	#6	11'-1"	□
v	#4	3'-2"	—
v1	#4	4'-2"	—
v2	#4	3'-11"	—
Concrete Structures			10.4 Cu. Yds.
Reinforcement Bars			1290 Lb.

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 the requirements of A.A.S.H.T.O. M-31 or M-322, Grade 60.
- Space reinforcement in cap to miss anchor bolts.

MAXIMUM PILE LOADS

SPAN	TONS
40'	29
50'	33
60'	37

DESIGN STRESSES

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

Illinois Department of Transportation

PASSED APRIL 4, 2005

Thomas J. Noma (Signature)
Engineer of Bridge Design

APPROVED APRIL 4, 2005

Ralph E. (Signature)
Engineer of Bridges and Structures

1867-F-1 (REV. 1-01)

P.P.C. DECK BEAMS PILE BENT ABUTMENT		
28' RDWY.	27" BMS.	'D'=0°, 5° OR 10°
STANDARD CA-2827-10		