

DIMENSION 'E'

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

NOTES

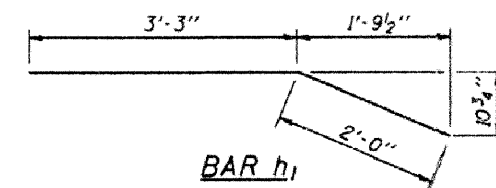
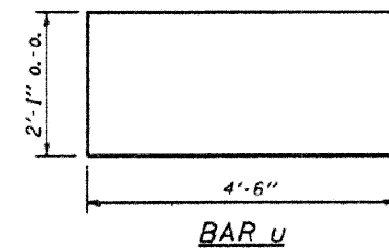
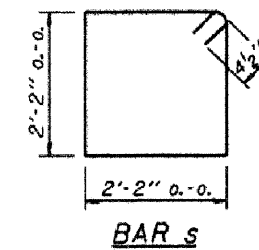
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Space reinforcement in cap to miss anchor bolts.
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MAXIMUM PILE LOADS

SPAN	TONS
25'	25
30'	25
35'	25
40'	25

DESIGN STRESSES

f'_c = 3,500 psi
f_y = 60,000 psi



BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	—
h ₁	4	#4	5'-3"	—
h ₂	6	#4	34'-0"	—
p	10	#7	34'-0"	—
s	36	#4	9'-5"	□
u	8	#6	11'-1"	□
v	8	#4	2'-6"	—
v ₁	8	#4	3'-5"	—
v ₂	68	#4	3'-1"	—
Concrete Structures				11.0 Cu. Yds.
Reinforcement Bars				1430 Lb.

P.P.C. DECK BEAMS PILE BENT ABUTMENT

33' RDWY.	17" BMS.	'D'=0°, 5° OR 10°
STANDARD CA-3317-10		

Illinois Department of Transportation

PASSED APRIL 4, 2005
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