

DIMENSION 'E'

GRADE	'D'=0°		'D'=5°		'D'=10°	
	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END	UPGRADE END	DOWNGRADE END
Over 0X to 1X	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"
Over 1X to 2X	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	1'-9"	2'-3 1/2"
Over 2X to 3X	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	1'-5"	2'-3 1/2"
Over 3X to 4X	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	2'-3 1/2"	1'-5"	2'-3 1/2"

NOTES

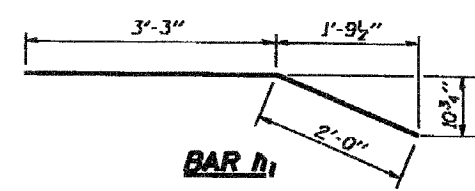
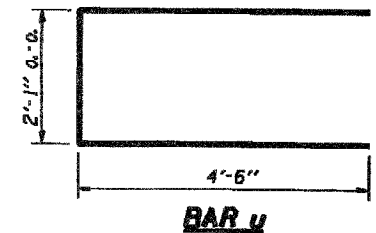
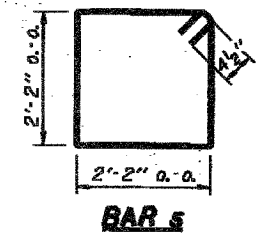
- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to A.A.S.H.T.O. M-31, M-42 or M-53, Grade 60.

MAXIMUM PILE LOADS

SPAN	TONS
30'	27
35'	30
40'	32
50'	37

DESIGN STRESSES

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



BILL OF MATERIAL FOR ONE ABUTMENT

Bar	No.	Size	Length	Shape
h	16	#4	5'-0"	—
h1	4	#4	5'-3"	—
h2	6	#4	24'-9"	—
p	6	#5	24'-9"	—
p1	4	#6	24'-9"	—
s	27	#4	9'-5"	□
u	8	#6	11'-1"	□
v	8	#4	2'-8"	—
v1	8	#4	3'-8"	—
v2	50	#4	3'-5"	—
Concrete Structures			8.6 Cu. Yds.	
Reinforcement Bars			920 Lbs.	

**P.P.C. DECK BEAMS
PILE BENT ABUTMENT**

24' RDWY.	21" BMS.	'D'=0°, 5° OR 10°
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STANDARD CA-2421-10

Mississippi Department of Transportation

PASSED November 1, 1995
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APPROVED November 1, 1995
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