

ABUTMENT PILE SPACING		৬-৬ ABUT. BRG.	138'-10	151'-4	163'-10	176'-4	188'-10
WITH WOOD PILES	"A" PILE SPACES		10	10	11	12	12
	"B" (F.T. - IN.)		3'-5	3'-5	3'-1	2'-10	2'-10
	"C" (F.T. - IN.)		2'-1½	2'-1½	2'-3	2'-2½	2'-2½
	"D" EQUAL SPACES		2	2	1	1	1
	NO. OF PILES PER ABUT.		11	11	12	13	13
	① PILE BEARING (TONS)		19	20	20	19	20
②	STRENGTH I DESIGN LOAD (KIPS)		55	57	56	54	56
WITH STEEL H-PILES	"A" PILE SPACES		4	4	5	5	5
	"B" (F.T. - IN.)		8'-0	8'-0	6'-4	6'-4	6'-4
	"C" (F.T. - IN.)		3'-2½	3'-2½	3'-4½	3'-4½	3'-4½
	"D" EQUAL SPACES		5	5	4	4	4
	NO. OF PILES PER ABUT.		5	5	6	6	6
	① PILE BEARING (TONS)		46	48	43	44	45
②	STRENGTH I DESIGN LOAD (KIPS)		134	139	123	127	131

- ① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
- ② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.

NOTE:
ALL STEEL PILES ARE TO BE
ORIENTED WITH WEBS
PERPENDICULAR TO C ROADWAY
AS SHOWN.

ABUTMENT NOTES:
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE
TO NEAR REINFORCING BAR IS TO BE 2" UNLESS
OTHERWISE NOTED OR SHOWN.

ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.

PLACE 5h2 BAR AT 1:6 SLOPE TO MATCH TRAFFIC
SIDE OF ABUTMENT WING FACE. (BOTH SIDES
TYPICAL)

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES
DECEMBER, 2006

ABUTMENT DETAILS

45° SKEW A & B BEAMS

H24-25-06