



NOTE:  
ALL PILES ARE TO BE ORIENTED WITH WEBS PERPENDICULAR  
TO THE  $\xi$  OF THE ROADWAY AS SHOWN.

150'-0" BRIDGE

PILE PLAN - 45° SKEW  
STEEL PILING

NOTE: ALL PILING HP10X42

REACTION, PILE NUMBER & BEARING									
BRIDGE LENGTH	70'-0	80'-0	90'-0	100'-0	110'-0	120'-0	130'-0	140'-0	150'-0
REACTION - KIPS	287	302	315	332	349	368	387	Δ 442	Δ 464
BEARING - TONS	24	26	27	28	30	31	33	37	34
PILING - NUMBER	6	6	6	6	6	6	6	6	7
STRENGTH I REACTION - KIPS	379	401	421	448	474	504	532	Δ 623	Δ 655

Δ INCLUDES IMPACT

12-08 LATEST REVISION DATE  <i>Thomas E. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
	STANDARD DESIGN - 24' ROADWAY, 3 SPAN BRIDGES <b>CONTINUOUS CONCRETE SLAB BRIDGES</b> NOVEMBER, 2006	
	ABUTMENT DETAILS 45° SKEW - STEEL PILING	J24-38-06