



70'-0, 80'-0,  
90'-0, 100'-0,  
110'-0, 120'-0,  
130'-0, & 140'-0  
BRIDGES

150'-0  
BRIDGE

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

PILE PLAN - 45° SKEW  
STEEL PILING

NOTE: ALL PILING HP 10 X 42.

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	325	342	358	377	397	419	441	Δ 499	Δ 525
BEARING - TONS	24	25	26	27	29	30	32	36	33
PILING - NUMBER	7	7	7	7	7	7	7	7	8
STRENGTH I REACTION - KIPS	419	444	468	499	528	562	595	Δ 691	Δ 729

Δ INCLUDES IMPACT

12-08 LATEST REVISION DATE  <i>Thomas C. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
	STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES <b>CONTINUOUS CONCRETE SLAB BRIDGES</b> NOVEMBER, 2006	
	ABUTMENT DETAILS 45° SKEW - STEEL PILING	J30-38-06

REVISED 12-08 - REVISED ENTIRE SHEET. DESIGN FOR HL-93 LOADING.