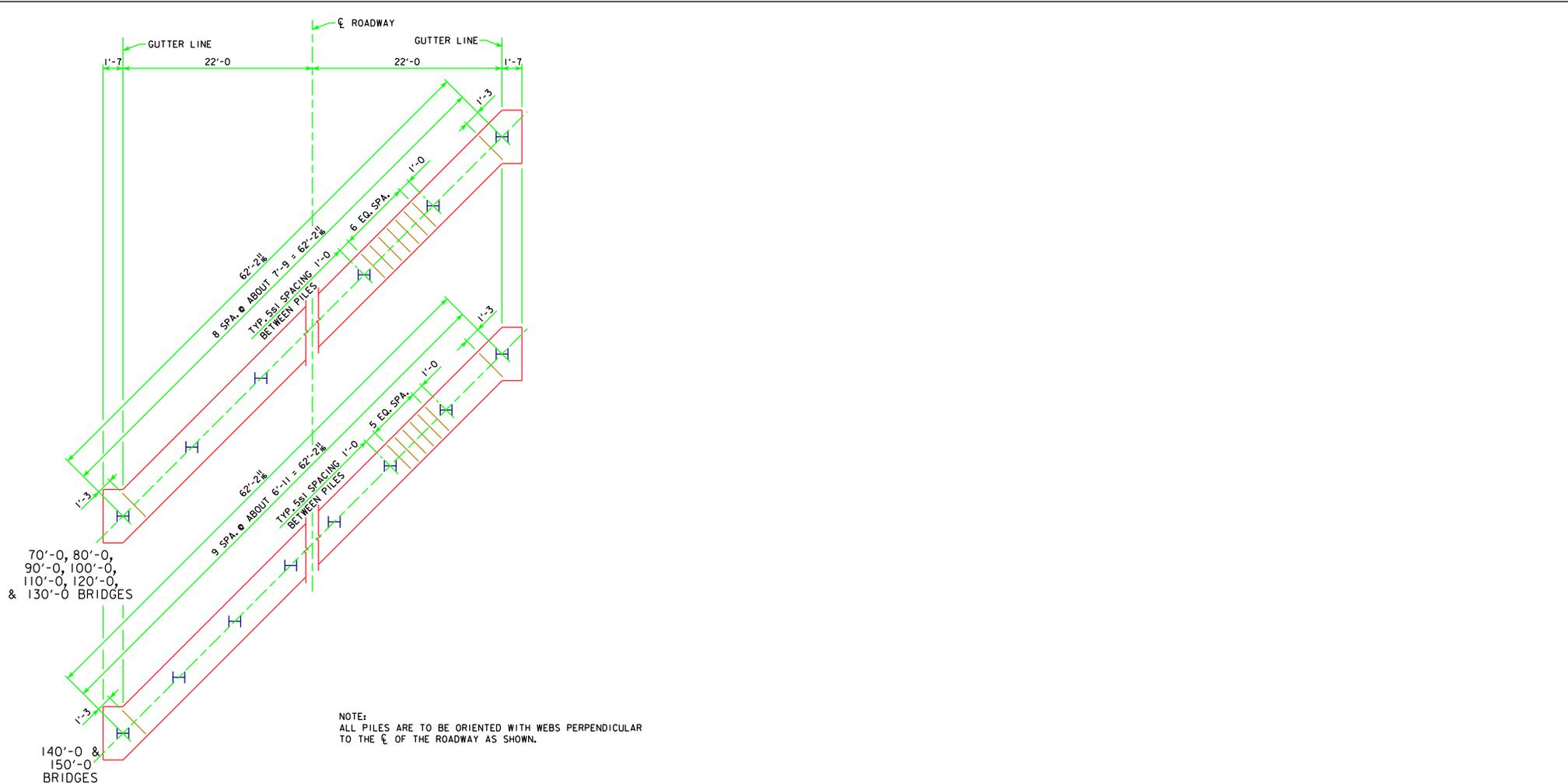


REVISED 11-08 - REVISED ENTIRE SHEET. DESIGN FOR HL-93 LOADING.



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

PILE PLAN - 45° SKEW
STEEL PILING

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	443	467	489	516	543	574	604	Δ 681	Δ 717
BEARING - TONS	25	26	28	29	31	32	34	35	36
PIILING - NUMBER	9	9	9	9	9	9	9	10	10
STRENGTH I REACTION - KIPS	565	599	632	674	715	762	807	Δ 933	Δ 986

Δ INCLUDES IMPACT

11-08 LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	
	45° ABUTMENT DETAILS SKEW - STEEL PILING	J44-43-06