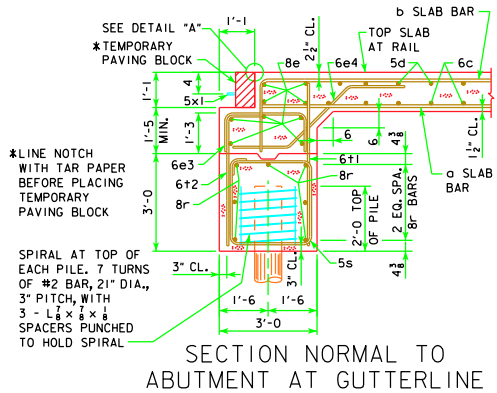
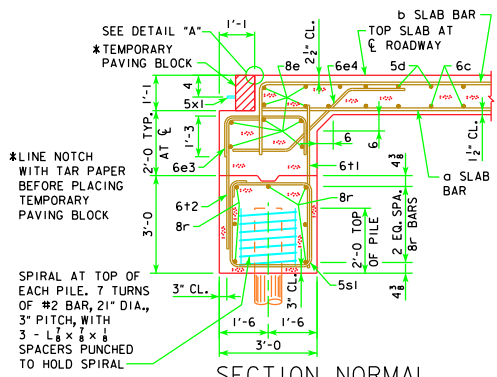
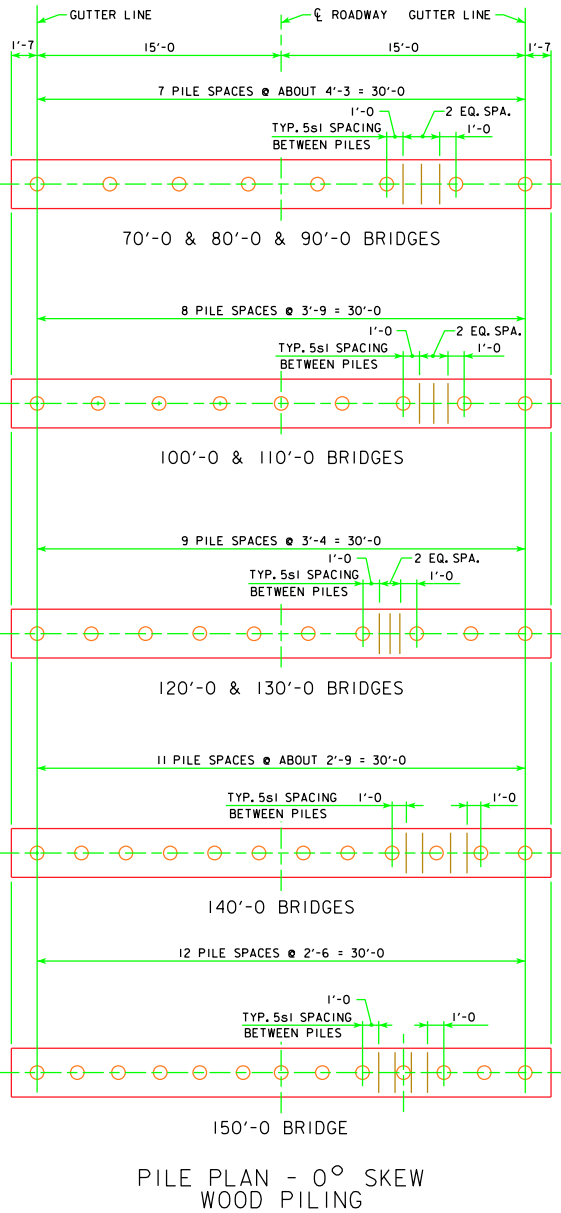
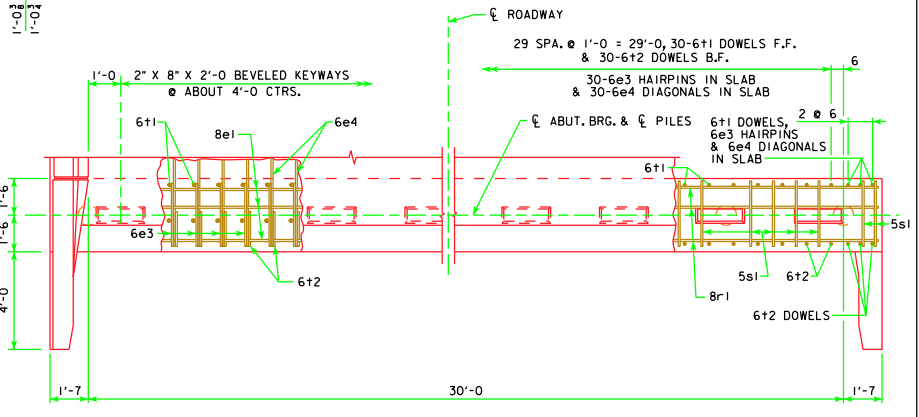
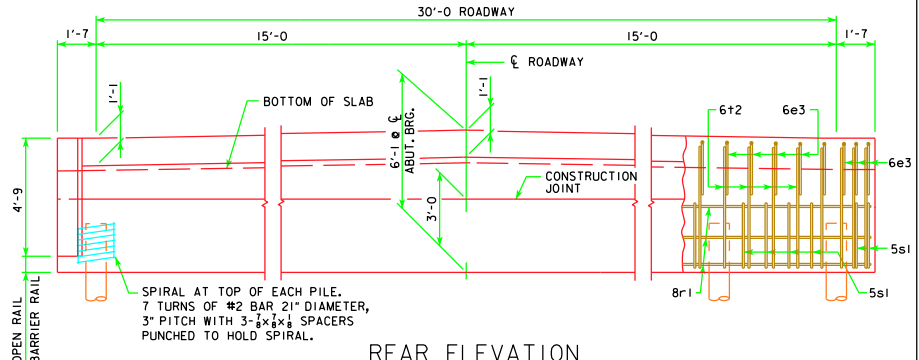


REVISED 12-08 - REVISED SHEET FOR NEW PAVING NOTCH, DESIGN FOR HL-93 LOADING.

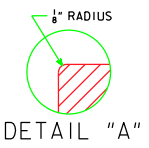


**ABUTMENT NOTES:**  
 THE CONCRETE AND REINFORCING STEEL FOR THE WINGS IS INCLUDED WITH THE SUPERSTRUCTURE.  
 DETAILS ON THIS SHEET ARE TO BE USED ONLY WHEN ABUTMENTS ARE PLACED ON TIMBER PILES.  
 THE MINIMUM CLEAR DISTANCE FROM THE FACE OF THE CONCRETE TO NEAR REINFORCING BAR IS TO BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.  
 THE ABUTMENT PILES ARE TO BE DRIVEN TO FULL PENETRATION, IF PRACTICABLE, BUT IN NO CASE TO A BEARING VALUE LESS THAN THE PILE BEARING REQUIRED FOR EACH BRIDGE LENGTH AS SHOWN ON THIS SHEET, NOR TO MORE THAN 40 TONS PER BEARING PILE.  
 ALL REINFORCING STEEL IS TO BE GRADE 60.  
 ABUTMENT PILING WAS DESIGNED FOR HL-93 LOADING WITH AN ALLOWANCE FOR 20 LBS. PER SQ. FT. FUTURE WEARING SURFACE.



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	282	299	315	335	355	387	400	Δ 458	Δ 484
BEARING - TONS	18	19	20	19	20	19	20	20	19
PILING - NUMBER	8	8	8	9	9	10	10	12	13
STRENGTH I REACTION - KIPS	377	402	426	456	485	519	551	Δ 646	Δ 684

Δ INCLUDES IMPACT



LATEST REVISION DATE 12-08	APPROVED BY BRIDGE ENGINEER <i>Thomas C. McQuinn</i>		
		STANDARD DESIGN - 30' ROADWAY, 3 SPAN BRIDGES <b>CONTINUOUS CONCRETE SLAB BRIDGES</b> NOVEMBER, 2006	
		ABUTMENT DETAILS 0° SKEW - TIMBER PILING	J30-27-06