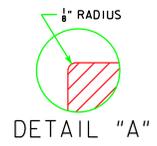
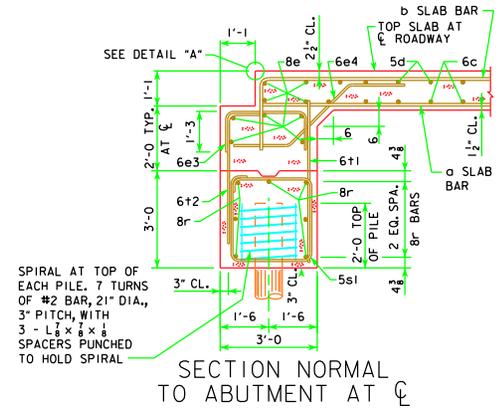
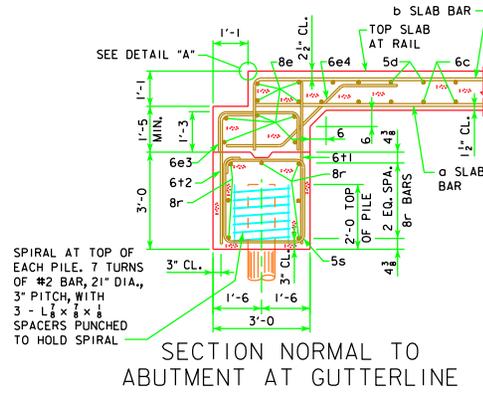
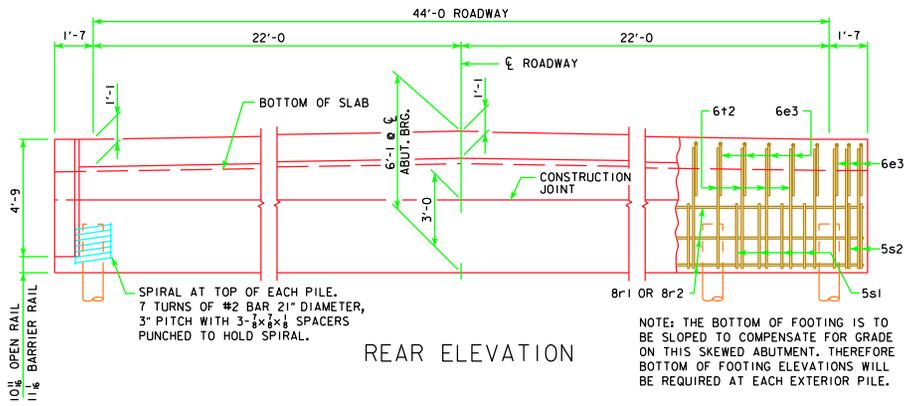
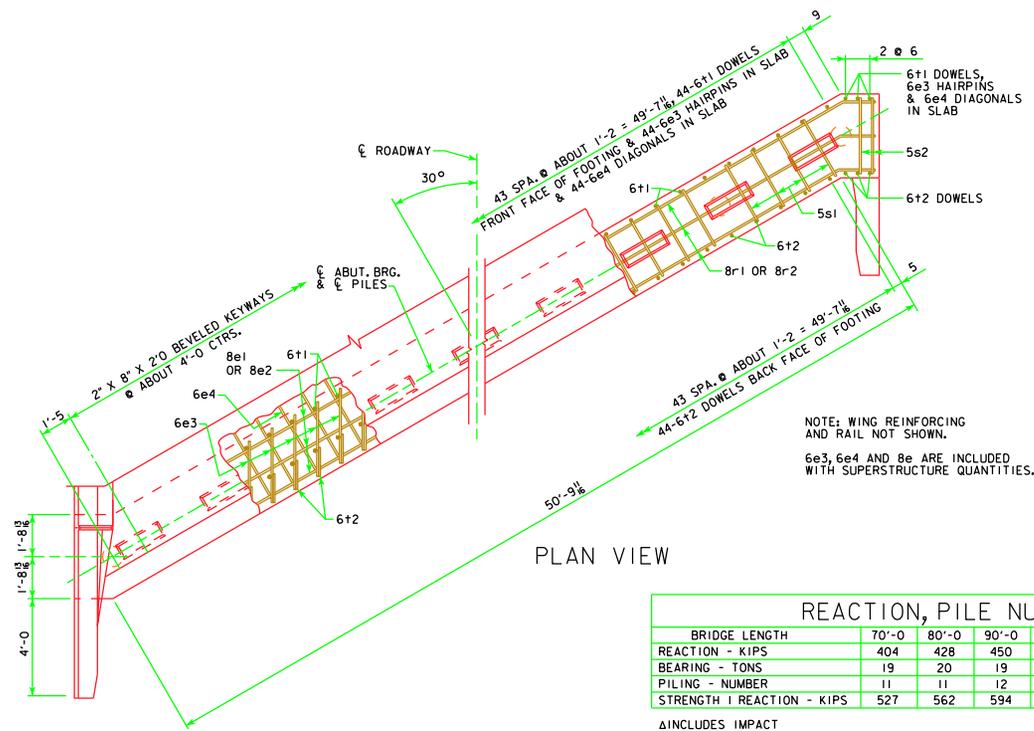


REVISED 11-08 - REVISED SHEET FOR NEW PAVING NOTCH & WING. DESIGN FOR HL-93 LOADING.



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	404	428	450	478	505	536	567	Δ 644	Δ 681
BEARING - TONS	19	20	19	20	20	20	19	19	19
PILING - NUMBER	11	11	12	12	13	14	15	17	18
STRENGTH I REACTION - KIPS	527	562	594	636	676	723	768	Δ 893	Δ 946

Δ INCLUDES IMPACT

11-08 LATEST REVISION DATE <i>Thomas C. McQuinn</i> APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 44' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006	J44-34-06
	ABUTMENT DETAILS 30° SKEW - TIMBER PILING	