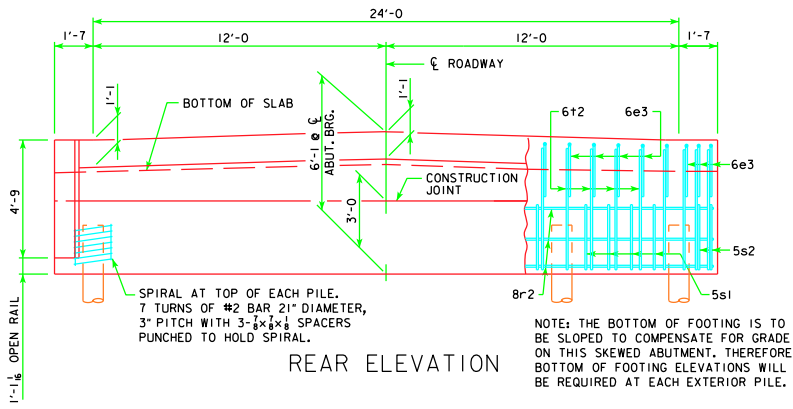
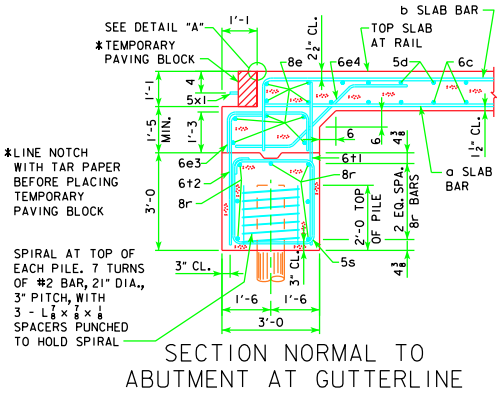


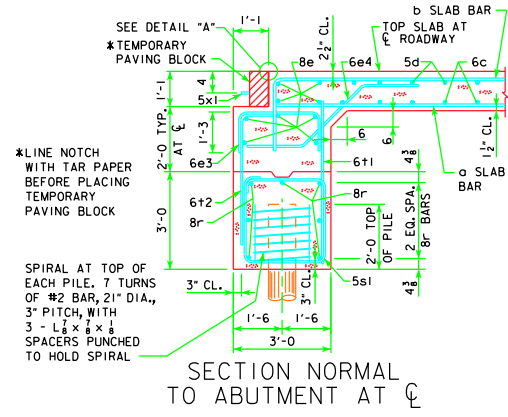
REVISED 12-08 - REVISED SHEET FOR NEW PAVING NOTCH AND WING. DESIGN FOR HL-93 LOADING.



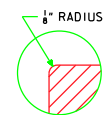
REAR ELEVATION



SECTION NORMAL TO ABUTMENT AT GUTTERLINE



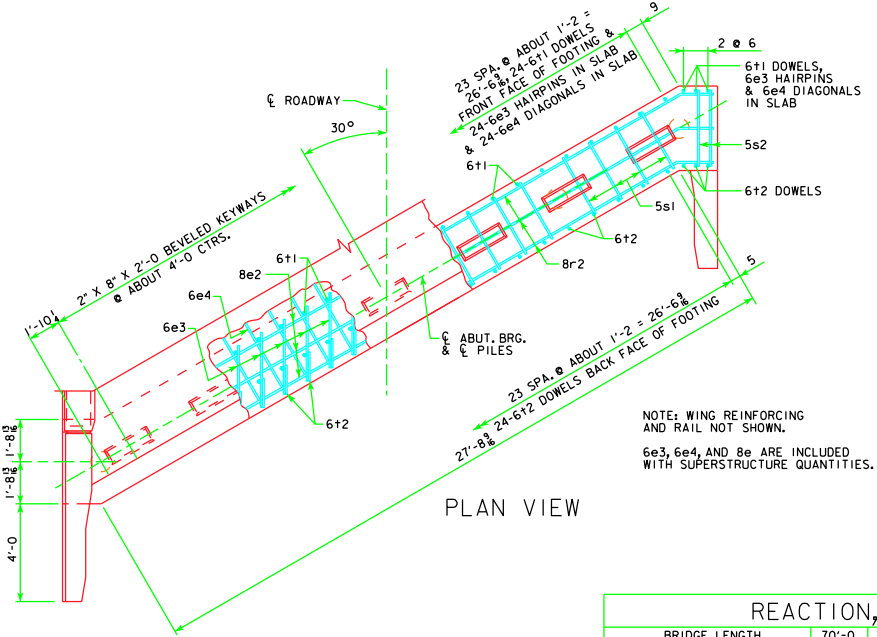
SECTION NORMAL TO ABUTMENT AT CL



DETAIL "A"

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.



PLAN VIEW

REACTION, PILE NUMBER & BEARING								
BRIDGE LENGTH	70'-0"	80'-0"	90'-0"	100'-0"	110'-0"	120'-0"	130'-0"	150'-0"
REACTION - KIPS	265	279	293	311	328	347	366	Δ 421 Δ 443
BEARING - TONS	19	20	19	20	19	20	19	20 19
PILING - NUMBER	7	7	8	8	9	9	10	11 12
STRENGTH I REACTION - KIPS	358	379	400	427	452	481	510	Δ 601 Δ 632

Δ INCLUDES IMPACT

LATEST REVISION DATE	
	STANDARD DESIGN - 24' ROADWAY, 3 SPAN BRIDGES CONTINUOUS CONCRETE SLAB BRIDGES NOVEMBER, 2006
	APPROVED BY BRIDGE ENGINEER
ABUTMENT DETAILS 30° SKEW - TIMBER PILING	J24-29-06