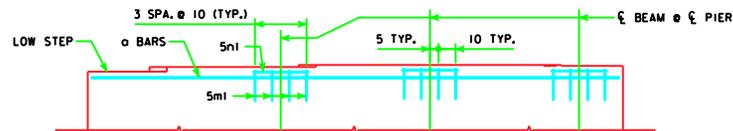


PART ELEVATION VIEW OF PIER CAP
GRADE (G) $G \leq 2.5\%$



PART ELEVATION VIEW OF PIER CAP
GRADE (G) $2.5\% < G \leq 5.0\%$



TYPICAL SECTION

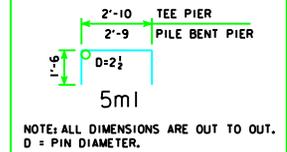
STEP REINFORCING BAR LIST ONE TEE PIER						
		G \leq 2.5%			2.5% < G \leq 5.0%	
BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	
5m1	5'-10		8	5	49	12 5 73
5n1	2'-8		8	5	22	12 5 33
TOTAL (L.B.)					71	106

G = GRADE (%)

STEP REINFORCING BAR LIST ONE PILE BENT PIER						
		G \leq 2.5%			2.5% < G \leq 5.0%	
BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	
5m1	5'-9		8	5	48	12 5 72
5n1	2'-8		8	5	22	12 5 33
TOTAL (L.B.)					70	105

G = GRADE (%)

BENT BAR DETAILS



NOTES:

THE TABLE BELOW LISTS THE ADDITIONAL CONCRETE VOLUME REQUIRED IN EACH ABUTMENT FOOTING/PIER CAP BASED ON THE ROADWAY GRADE AT EACH ABUTMENT FOOTING/PIER CAP. ADDITIONAL CONCRETE SHOULD BE ADDED TO THE PLANS FOR EACH ABUTMENT FOOTING/PIER CAP THAT HAS 0.5 CU. YDS. OR MORE OF ADDITIONAL CONCRETE. VALUES IN THE TABLE BELOW HAVE BEEN EXCLUDED FOR SCENARIOS THAT HAVE LESS THAN 0.5 CU. YDS. OF ADDITIONAL CONCRETE PER SUBSTRUCTURE UNIT. VALUES MAY BE INTERPOLATED FOR GRADES BETWEEN THE VALUES SHOWN IN THE TABLE.

	ROADWAY GRADE AT SUBSTRUCTURE UNIT				
	1%	2%	3%	4%	5%
EACH ABUTMENT FOOTING					
A, B BEAMS	-----	-----	-----	-----	-----
C BEAMS	-----	-----	-----	-----	0.6
EACH TEE PIER CAP - ALL BEAMS	-----	-----	-----	-----	-----
EACH PILE BENT PIER - ALL BEAMS	-----	-----	-----	-----	-----

LATEST REVISION DATE	APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuillan</i>	
		STANDARD DESIGN STANDARD DESIGN THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES
		HL93 SUPERSTRUCTURE DECEMBER 2006 HS25 SUBSTRUCTURE
ADDITIONAL QUANTITIES 15° SKEW		H24-17-06