STEP REINFORCING BAR LIST ONE TEE PIER											
			G <= 1.2%			1.2% < G <= 4.1%			4.1% < G <= 5.0%		
BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT
5ml	6'-4		8	5	53	12	5	79	19	5	126
5nl	2'-8		8	5	22	12	5	33	4	5	11
* 8n2	VARIES								4	8	178
TOTAL (LB.)					75			112			315

G = GRADE (%) *8n2 BARS VARY FROM 15'-11 TO 17'-6

		STEP C	RE	INF PII	ORC _E B	ING EN1	BA F P	NR L IER	IST			
			G <= 1.2%			1.2% < G <= 4.1%			4.1% < G <= 5.0%			
BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	NO.	SIZE	WEIGHT	
ōml	6'-3		8	5	52	12	5	78	19	5	124	
ōnl	2'-8		8	5	22	12	5	33	4	5	11	
8n2	VARIES	-							4	8	178	
TOTAL (LB.)					74			- 111			313	

G = GRADE (%) *8n2 BARS VARY FROM 15'-11 TO 17'-5



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.

ADDITIONAL CONCRETE VOLUME PER SUBSTRUCTURE UNIT (C.Y.)								
	ROADWAY	GRADE	AT SU	BSTRUCTURE	UNIT			
	1%	2%	3%	4%	5%			
EACH ABUTMENT FOOTING				1 1				
A, B BEAMS			0.6	0.8	1.0			
C BEAMS			0.8	1.0	1.3			
EACH TEE PIER CAP - ALL BEAMS			0.6	0.9	1.1			
EACH PILE BENT PIER - ALL BEAMS			0.6	0.8	1.1			





PART ELEVATION VIEW OF PIER CAP



PART ELEVATION VIEW OF PIER CAP GRADE (G): 1.2% < G <= 4.1%



PART ELEVATION VIEW OF PIER CAP

GRADE (G): 4.1% < G <= 5.0%

