REVISIONS			
REV. NO.	DESCRIPTION		DATE

COLUMN REINFORCING AND QUANTITY SCHEDULE

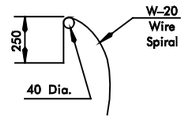
COLUMN TYPE	REINFORCING ①						QUANTITIES ③	
	CV1			CS ②			CLASS A CONCRETE (m3 / m)	REINFORCING STEEL (kg AND kg. /m.)
	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH		
COL. 1	#29	22	H – 100	W–20	2	(H – 1500) 15.74 + 7583	1.272	160 kg. + 142.9 kg/m
COL. 2	#32	22	H – 100	W–20	2	(H – 1500) 15.74 + 7583	1.272	198 kg + 172.5 kg/m
COL. 3	#36	22	H – 100	W–20	2	(H – 1500) 15.74 + 7583	1.272	241 kg. + 205.6 kg/m
COL. 4	#32	32	H – 100	W–20	2	(H – 1500) 15.74 + 7583	1.272	282 kg. + 236.5 kg/m
COL. 5	#36	32	H – 100	W–20	2	(H – 1500) 15.74 + 7583	1.272	344 kg. + 284.6 kg/m

① Column reinforcing shown is for two columns.
② For each splice of column spiral add 1300 to the scheduled length.
③ The total quantities shown are for two columns and the Unit/m quantities shown are based upon the quantities contained in two columns per m of height of column.

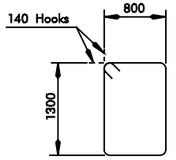
PIER SCHEDULE

SUPERSTRUCTURE	SKEW	SPAN RANGE ④	PIER HEIGHT RANGE H	CAP TYPE	COLUMN TYPE	SUPERSTRUCTURE	SKEW	SPAN RANGE ④	PIER HEIGHT RANGE H	CAP TYPE	COLUMN TYPE
7.8 m ROADWAY	0°	10 m to 16 m	BELOW 4.5	CAP 1	COL. 1	10.2 m ROADWAY	0°	10 m to 16 m	BELOW 4.5	CAP 7	COL. 1
			4.5 to 6.0	CAP 1	COL. 1				4.5 to 6.0	CAP 7	COL. 1
			6.0 to 7.5	CAP 1	COL. 1				6.0 to 7.5	CAP 7	COL. 1
		18 m to 22 m	BELOW 4.5	CAP 2	COL. 1			18 m to 22 m	BELOW 4.5	CAP 8	COL. 1
			4.5 to 6.0	CAP 2	COL. 1				4.5 to 6.0	CAP 8	COL. 1
			6.0 to 7.5	CAP 2	COL. 1				6.0 to 7.5	CAP 8	COL. 1
		24 m to 32 m	BELOW 4.5	CAP 3	COL. 1			24 m to 32 m	BELOW 4.5	CAP 9	COL. 1
			4.5 to 6.0	CAP 3	COL. 1				4.5 to 6.0	CAP 9	COL. 2
			6.0 to 7.5	CAP 3	COL. 3				6.0 to 7.5	CAP 9	COL. 4
	30°	10 m to 16 m	BELOW 4.5	CAP 4	COL. 1		30°	10 m to 16 m	BELOW 4.5	CAP 10	COL. 1
			4.5 to 6.0	CAP 4	COL. 1				4.5 to 6.0	CAP 10	COL. 1
			6.0 to 7.5	CAP 4	COL. 1				6.0 to 7.5	CAP 10	COL. 1
		18 m to 22 m	BELOW 4.5	CAP 5	COL. 1			18 m to 22 m	BELOW 4.5	CAP 11	COL. 1
			4.5 to 6.0	CAP 5	COL. 1				4.5 to 6.0	CAP 11	COL. 1
			6.0 to 7.5	CAP 5	COL. 1				6.0 to 7.5	CAP 11	COL. 1
		24 m to 32 m	BELOW 4.5	CAP 6	COL. 1			24 m to 32 m	BELOW 4.5	CAP 12	COL. 1
			4.5 to 6.0	CAP 6	COL. 2				4.5 to 6.0	CAP 12	COL. 3
			6.0 to 7.5	CAP 6	COL. 4				6.0 to 7.5	CAP 12	COL. 5

④ Span length shall be considered as the average length of the two adjacent spans

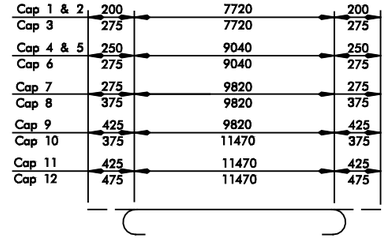


WIRE SPIRAL BEND

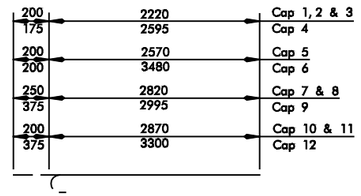


S #16 x 4480

P1 #13 x 2020 (0° Skew)
P1 #13 x 2320 (30° Skew)
P2 #13 x 1700



H1 #19 x 8120 (CAP 1 & 2)
H1 #25 x 8270 (CAP 3)
H1 #22 x 9540 (CAP 4 & 5)
H1 #25 x 9590 (CAP 6)
H1 #25 x 10370 (CAP 7)
H1 #29 x 10570 (CAP 8)
H1 #32 x 10670 (CAP 9)
H1 #29 x 12220 (CAP 10)
H1 #32 x 12320 (CAP 11)
H1 #36 x 12420 (CAP 12)



H2 #19 x 2420 (CAP 1, 2 & 3)
H2 #16 x 2770 (CAP 4)
H2 #19 x 2770 (CAP 5)
H2 #19 x 3680 (CAP 6)
H2 #22 x 3070 (CAP 7 & 8)
H2 #29 x 3370 (CAP 9)
H2 #19 x 3070 (CAP 10 & 11)
H2 #29 x 3675 (CAP 12)

PIER CAP REINFORCING, PEDESTAL REINFORCING AND QUANTITY SCHEDULE

CAP TYPE	REINFORCING																								QUANTITIES	
	H1			H2			H3			H4			H5			P1			P2			S			CLASS A CONCRETE m^3	REINFORCING STEEL kg
	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH	SIZE	NO.	LENGTH		
CAP 1	#19	4	8120	#19	6	2420	#16	6	7720	#19	4	7720	#19	3	4210	#13	8	2020	#13	10	1700	#16	22	4480	9.85	460
CAP 2	#19	4	8120	#19	6	2420	#16	6	7720	#19	4	7720	#22	3	4210	#13	8	2020	#13	10	1700	#16	24	4480	9.85	484
CAP 3	#25	4	8270	#19	6	2420	#16	6	7720	#25	4	7720	#22	3	4210	#13	8	2020	#13	10	1700	#16	38	4480	9.85	694
CAP 4	#22	4	9540	#16	6	2770	#16	6	9040	#22	4	9040	#22	3	5430	#13	8	2320	#13	12	1700	#16	27	4480	11.52	612
CAP 5	#22	4	9540	#19	6	2770	#16	6	9040	#25	4	9040	#22	3	5430	#13	8	2320	#13	12	1700	#16	29	4480	11.52	671
CAP 6	#25	4	9590	#19	6	3680	#16	6	9040	#29	4	9040	#29	3	5430	#13	8	2320	#13	12	1700	#16	45	4480	11.52	903
CAP 7	#25	4	10370	#22	6	3070	#16	6	9820	#25	4	9820	#22	3	5920	#13	8	2020	#13	10	1700	#16	29	4480	12.50	757
CAP 8	#29	4	10570	#22	6	3070	#16	6	9820	#29	4	9820	#25	3	5920	#13	8	2020	#13	10	1700	#16	39	4480	12.50	935
CAP 9	#32	4	10670	#29	6	3370	#16	6	9820	#36	4	9820	#36	3	5920	#13	8	2020	#13	10	1700	#16	58	4480	12.50	1355
CAP 10	#29	4	12220	#19	6	3070	#16	6	11470	#29	4	11470	#25	3	6650	#13	8	2320	#13	12	1700	#16	35	4480	14.58	988
CAP 11	#32	4	12320	#19	6	3070	#16	6	11470	#32	4	11470	#29	3	6650	#13	8	2320	#13	12	1700	#16	47	4480	14.58	1224
CAP 12	#36	4	12420	#29	6	3675	#16	6	11470	#36	4	11470	#36	5	7400	#13	8	2320	#13	12	1700	#16	67	4480	14.58	1771

APPROVED BY BRIDGE ENGINEER DATE

OKLAHOMA DEPT. OF TRANSPORTATION
COUNTY BRIDGE STANDARD (METRIC)

PIER SCHEDULES FOR PIERS UNDER PRESTRESSED CONCRETE BEAMS

1999 SPECIFICATIONS	PIER5-1	00M
ALL DIMENSIONS ON THIS SHEET IN MILLIMETERS UNLESS OTHERWISE NOTED.		CB-44M