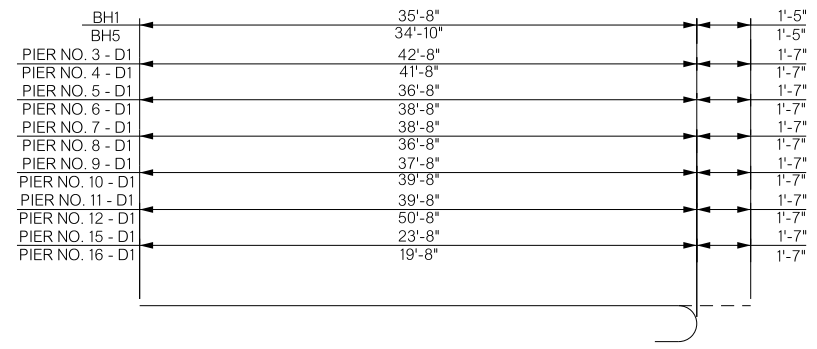
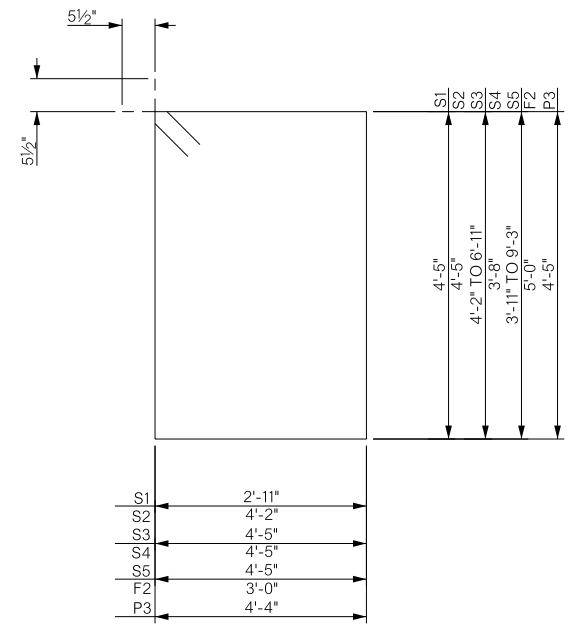
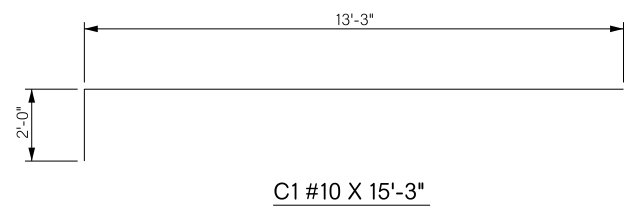


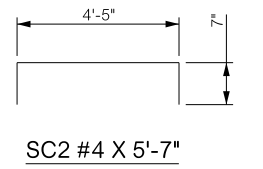
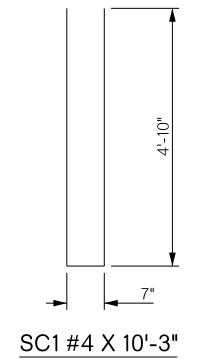
REVISIONS		
REV. NO.	DESCRIPTION	DATE



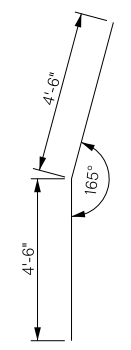
- BH1 #10 X 37'-1"
- BH5 #10 X 36'-3"
- D1 #11 X 44'-3" (PIER NO. 3)
- D1 #11 X 43'-3" (PIER NO. 4)
- D1 #11 X 38'-3" (PIER NO. 5)
- D1 #11 X 40'-3" (PIER NO. 6)
- D1 #11 X 40'-3" (PIER NO. 7)
- D1 #11 X 38'-3" (PIER NO. 8)
- D1 #11 X 39'-3" (PIER NO. 9)
- D1 #11 X 41'-3" (PIER NO. 10)
- D1 #11 X 41'-3" (PIER NO. 11)
- D1 #11 X 52'-3" (PIER NO. 12)
- D1 #11 X 25'-3" (PIER NO. 15)
- D1 #11 X 21'-3" (PIER NO. 16)



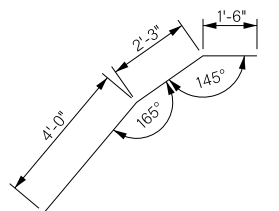
- F2 #4 X 16'-11"
- P3 #4 X 18'-5"
- S1 #5 X 15'-7"
- S2 #4 X 18'-1"
- S3 #4 X 20'-10" AVG
- S4 #4 X 17'-1"
- S5 #4 X 22'-11" AVG



PIER ELEVATIONS AND PEDESTAL HEIGHTS															
LOCATION	TOP OF PIER CAP	COLUMN LENGTH	TOP OF FOOTING	TOP OF DRILL SHAFT	DRILL SHAFT LENGTH	BOTTOM OF DRILL SHAFT	MINIMUM INTO ROCK	PEDESTAL A		PEDESTAL B		PEDESTAL C		PEDESTAL D	
								ELEV.	HEIGHT	ELEV.	HEIGHT	ELEV.	HEIGHT	ELEV.	HEIGHT
PIER NO. 3	936.35	8'-6"	922.85	919.35	40'-0"	879.35	10'-0"	936.60	3"	936.78	5 1/4"	936.96	7 3/8"	937.14	9 1/2"
PIER NO. 4	938.41	11'-0"	922.41	918.91	39'-0"	879.91	13'-0"	938.66	3"	938.84	5 1/4"	939.02	7 3/8"	939.20	9 1/2"
PIER NO. 5	940.46	13'-6"	921.96	918.46	34'-0"	884.46	10'-0"	940.71	3"	940.89	5 1/4"	941.07	7 3/8"	941.25	9 1/2"
PIER NO. 6	942.52	16'-6"	921.02	917.52	36'-0"	881.52	13'-0"	942.77	3"	942.95	5 1/4"	943.13	7 3/8"	943.31	9 1/2"
PIER NO. 7	944.57	18'-6"	921.07	917.57	36'-0"	881.57	11'-0"	944.82	3"	945.00	5 1/4"	945.18	7 3/8"	945.36	9 1/2"
PIER NO. 8	946.62	20'-6"	921.12	917.62	34'-0"	883.62	11'-0"	946.87	3"	947.05	5 1/4"	947.23	7 3/8"	947.41	9 1/2"
PIER NO. 9	948.68	22'-0"	921.68	918.18	35'-0"	883.18	11'-0"	948.93	3"	949.11	5 1/4"	949.29	7 3/8"	949.47	9 1/2"
PIER NO. 10	950.32	23'-6"	921.82	918.32	37'-0"	881.32	15'-0"	950.57	3"	950.75	5 1/4"	950.93	7 3/8"	951.11	9 1/2"
PIER NO. 11	952.38	23'-6"	923.88	920.38	37'-0"	883.38	10'-0"	952.63	3"	952.81	5 1/4"	952.99	7 3/8"	953.17	9 1/2"
PIER NO. 12	954.43	20'-6"	928.93	925.43	48'-0"	877.43	12'-0"	954.68	3"	954.86	5 1/4"	955.04	7 3/8"	955.22	9 1/2"
PIER NO. 15	960.29	22'-0"	933.29	929.79	21'-0"	908.79	10'-0"	960.54	3"	960.72	5 1/4"	960.90	7 3/8"	961.08	9 1/2"
PIER NO. 16	962.65	21'-6"	936.15	932.65	17'-0"	915.65	10'-0"	962.90	3"	963.08	5 1/4"	963.26	7 3/8"	963.44	9 1/2"



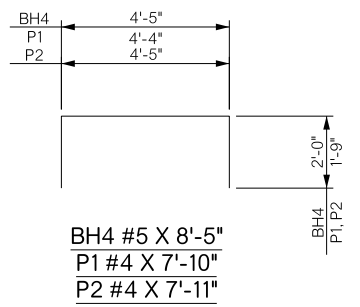
C2 #4 X 9'-0"



C3 #4 X 7'-9"

PIER QUANTITIES - PHASE I															
ITEM	UNIT	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12	No. 15	No. 16	TOTAL	
CLASS A CONCRETE	C.Y.	91.3	100	108.6	119	125.9	132.8	138	143.2	143.2	132.8	138	136.3	1509.1	
EPOXY COATED REINFORCING STEEL	LB.	27020	29000	30770	33020	34540	36040	37150	38280	38280	36030	37150	36780	414060	
DRILLED SHAFTS 60" DIAMETER	L.F.	120	117	102	108	108	102	105	111	111	144	63	57	1248	
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	73	73	73	73	73	73	73	73	73	73	73	73	876	
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	190	180	180	190	210	240	200	190	180	190	170	190	2310	
CLSM BACKFILL	C.Y.	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	373.2	

PIER QUANTITIES - PHASE II															
ITEM	UNIT	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8	No. 9	No. 10	No. 11	No. 12	No. 15	No. 16	TOTAL	
CLASS A CONCRETE	C.Y.	81.6	87.5	93.4	100.4	105.1	109.8	113.3	116.8	116.8	109.8	113.3	112.1	1259.9	
EPOXY COATED REINFORCING STEEL	LB.	18940	20180	21360	22770	23720	24640	25410	26080	26080	24660	25370	25130	284340	
DRILLED SHAFTS 60" DIAMETER	L.F.	80	78	68	72	72	68	70	74	74	96	42	38	832	
WATER REPELLENT (VISUALLY INSPECTED)	S.Y.	73	73	73	73	73	73	73	73	73	73	73	73	876	
SUBSTRUCTURE EXCAVATION COMMON	C.Y.	90	90	90	100	100	120	100	100	90	100	80	100	1160	
CLSM BACKFILL	C.Y.	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	248.4	



BRIDGE "A"		LOGAN COUNTY		Design	GT	11/15
SH-33 OVER COTTONWOOD CREEK				Detail	TIS	2/16
DETAILS OF PIERS NO. 3 - 12,15,16 (SHEET 4 OF 7)				Check		
				Squad	PEARSON	
				Engr.	HERNANDEZ	
STATE OF OKLAHOMA		DEPARTMENT OF TRANSPORTATION				
JOB/PIECE NO. 21860(04)				SHEET NO. B037		