01-NOV-09 GEORGIA DEPARTMENT OF TRANSPORTATION PROB. NO. 0001
15:58:44 PRECONSTUCTION DIVISION - OFFICE OF BRIDGE & STRUCTURAL DESIGN
THE ANALYSIS AND DESIGN OF PIERS FOR BRIDGES - V 4.2.07 - AASHTO SPECS 1984 INTERIM
REVISED: JUNE 30, 2008
43' CURB-CURB; 6 BEAMS; 119' SPAN; 50' DRILLED CAISSON; BRIDGE 26 ; PIE

DESIGN DATA

DESIGN OPTIONS	NO. CAN	NO. COL	NO. LLC	SKEW ANG D M S	F'C PSI	FC PSI	N	FY PSI	FS PSI	EC KSI	ES KSI	CONC. STRAIN	Z FACT	* MAIN SIZE	* STR SIZ	* MAX TOP	CAP REINFORCING STEEL MAX BOT	MIN SIZE	* MIN NO.	* TOP CL.	* MIN S.SP	CAP DEPTH INCR.	BOT CL.
D D D L	2	2	13	0-00-00	3500.	1400.	8.	60000.	24000.	3409.	29000.	0.0030	170.	11	5	15	15	11	2	2.00	4.00	3.00	2.00

COLUMN REINFORCING STEEL MIN.P	MAX.P	CL.SP.	CLEAR	R MODE	KL COEF	OC	OF	CM	BD1	BD2	IMPACT %	SOIL WT KCF	ALL.S.P. KSF	MIN PL SP	MAX PL SP	EDGE DIST	PILE DEPTH	REBAR CLEAR	ALL.PILE CAPACITY	ALL.PILE UPLIFT	I P
1.00	8.00	2.50	3.750	1	2.00	0.75	0.90	0.00	1.00	0.75	20.49	0.120	20.000	3.00	9.00	1.250	1.000	3.000	235.000	-9.999	

CAP DATA

CN	C	L	A	DE	BC	BE	DH	LH	XB1	XB2	XB3	XB4	XB5	XB6	XB7	XB8
11	L	11.500	2.500	4.000	5.500	5.500	2.000	9.000	7.876	5.376						
12	C	23.298	2.500	6.000	5.500		0.000	0.000	2.500	5.241	7.810	5.247				
13	3 SAME AS CANTILEVER 1															

COLUMN DATA

CN	P	I	T	S	HT	A	DT	BT	DB	BB	DL	FLEX	ND	NB	SZ	ND	NB	SZ	ND	NB	SZ	ND	NB	SZ	SLOPE	EP	AP
21	1	C	R		50.000	0.000	6.000	0.000	0.000	0.000	4.000	0.000	19	0	11	19	0	11	42	0	11	42	0	11	0.000	0.000	0.000
22	1	2 SAME AS COLUMN 1																									

FOOTING DATA

CN	S/P	B	D	T	DEL.B	DEL.D	DEL.T	R.B/D	R.D/B	S.HT.	NP	SYM.	BP	DP	SET.
31	S	2.000	2.000	3.000	0.500	0.500	0.250	1.000	1.000	2.500	4	3	0.000	0.000	0.000
32	2 SAME AS FOOTING 1														

GROUP II WIND

SUPERSTRUCTURE AREA* TRANS.	STD. LONG.	WIND FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	* WIND FORCE ARM APT	APL	* WIND ON PIER PT	PL
1160.	2321.	1	50	0	44	6	41	12	33	16	17	19	7.375	7.375	1.276	19.712

GROUP III WIND

STD. WIND	* WIND ON SUPERSTRUCTURE INTENSITIES FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	* STD. WIND	* WIND ON LIVE LOAD INTENSITIES FT1	FL1	FT2	FL2	FT3	FL3	FT4	FL4	FT5	FL5	* LENGTHS OF LL TRANS.	LONGI.	* WIND ON LL ARMS APT	APL
1	50	0	44	6	41	12	33	16	17	19	1	100	0	88	12	82	24	66	32	34	38	119.0	238.0	15.583	15.583

MISCELLANEOUS FORCES

CENTRI. FT	TRACTION FORCE FL	AND ARMS APT	APL	EXPANSION COEFFICIENT	SHRINKAGE COEFFICIENT	STREAM FLOW PT	PL
0.000	8.516	15.583	15.583	0.00018000	0.00044000	0.000	0.000

DEAD LOAD SUPERSTRUCTURE AND LIVE LOAD CASES

I.D.	NL	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12
D.L.	0	234.730	0.000	271.266	0.000	271.266	271.266	0.000	271.266	0.000	234.730		
LL 1	1	75.795	0.000	47.298	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
LL 2	2	75.795	0.000	91.579	0.000	75.810	3.002	0.000	0.000	0.000	0.000		
LL 3	3	75.795	0.000	91.579	0.000	102.833	78.813	0.000	20.260	0.000	0.000		
LL 4	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	47.298	0.000	75.795		
LL 5	2	0.000	0.000	0.000	0.000	3.002	75.810	0.000	91.579	0.000	75.795		
LL 6	3	0.000	0.000	20.260	0.000	78.813	102.833	0.000	91.579	0.000	75.795		
LL 7	1	0.000	0.000	23.641	0.000	75.810	23.641	0.000	0.000	0.000	0.000		
LL 8	2	40.899	0.000	99.452	0.000	82.194	23.641	0.000	0.000	0.000	0.000		
LL 9	3	40.899	0.000	99.452	0.000	88.577	99.452	0.000	40.899	0.000	0.000		
LL10	2	0.000	0.000	32.270	0.000	90.823	90.823	0.000	32.270	0.000	0.000		
LL11	3	51.775	0.000	103.589	0.000	90.823	90.823	0.000	32.270	0.000	0.000		
LL12	2	75.795	0.000	47.298	0.000	0.000	0.000	0.000	47.298	0.000	75.795		
LL13	3	75.795	0.000	91.579	0.000	75.810	3.002	0.000	47.298	0.000	75.795		

COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

LOAD	COL	TRANSVERSE PC	MT	V	MB	RF	ML	MR	* LONGITUDINAL MT	V	MB	MF
UNIT F.AT CL.CAP	1	1.022	11.906	0.500	13.094	1.022	0.000	-11.906	2.000	0.500	25.000	25.000
	2	-1.022	11.906	0.500	13.094	-1.022	-11.906	0.000	2.000	0.500	25.000	25.000
EXPANSION OF CAP	1	0.000	98.294	4.520	127.726	0.000	0.000	-98.294	0.000	0.000	0.000	0.000
	2	0.000	-98.294	-4.520	-127.726	0.000	98.294	0.000	0.000	0.000	0.000	0.000
SHRINKAGE OF CAP	1	0.000	-240.275	-11.050	-312.220	0.000	0.000	240.275	0.000	0.000	0.000	0.000
	2	0.000	240.275	11.050	312.220	0.000	-240.275	0.000	0.000	0.000	0.000	0.000

DEAD LOAD TOTAL	1	884.495	-182.242	-5.468	-91.140	1079.588	2112.940	-1930.697	0.000	0.000	0.000	0.000
		1079.588										
	2	884.354	182.268	5.468	91.115	1079.447	1930.672	-2112.940	0.000	0.000	0.000	0.000
		1079.447										
TRAC. FORCE 1 LN	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-83.384	-4.258	-279.252	-279.252
	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-83.384	-4.258	-279.252	-279.252
WIND ON SUBSTR.	1	1.304	15.192	0.638	16.708	1.304	0.000	-15.192	-39.424	-9.856	-492.800	-492.800
	2	-1.304	15.192	0.638	16.708	-1.304	-15.192	0.000	-39.424	-9.856	-492.800	-492.800
GROUP 2 WIND 1 1	1	78.943	705.731	29.638	776.169	78.943	0.000	-705.731	-39.424	-9.856	-492.800	-492.800
	2	-78.943	705.731	29.638	776.169	-78.943	-705.731	0.000	-39.424	-9.856	-492.800	-492.800
GROUP 2 WIND 1 2	1	78.943	705.731	29.638	776.169	78.943	0.000	-705.731	39.424	9.856	492.800	492.800
	2	-78.943	705.731	29.638	776.169	-78.943	-705.731	0.000	39.424	9.856	492.800	492.800
GROUP 2 WIND 2 1	1	69.626	622.866	26.158	685.034	69.626	0.000	-622.866	-118.628	-16.819	-892.302	-892.302
	2	-69.626	622.866	26.158	685.034	-69.626	-622.866	0.000	-118.628	-16.819	-892.302	-892.302
GROUP 2 WIND 2 2	1	69.626	622.866	26.158	685.034	69.626	0.000	-622.866	118.628	16.819	892.302	892.302
	2	-69.626	622.866	26.158	685.034	-69.626	-622.866	0.000	118.628	16.819	892.302	892.302
GROUP 2 WIND 3 1	1	64.968	581.434	24.418	639.466	64.968	0.000	-581.434	-197.832	-23.782	-1291.804	-1291.804
	2	-64.968	581.434	24.418	639.466	-64.968	-581.434	0.000	-197.832	-23.782	-1291.804	-1291.804
GROUP 2 WIND 3 2	1	64.968	581.434	24.418	639.466	64.968	0.000	-581.434	197.832	23.782	1291.804	1291.804
	2	-64.968	581.434	24.418	639.466	-64.968	-581.434	0.000	197.832	23.782	1291.804	1291.804
GROUP 2 WIND 4 1	1	52.546	470.948	19.778	517.952	52.546	0.000	-470.948	-250.635	-28.424	-1558.139	-1558.139
	2	-52.546	470.948	19.778	517.952	-52.546	-470.948	0.000	-250.635	-28.424	-1558.139	-1558.139
GROUP 2 WIND 4 2	1	52.546	470.948	19.778	517.952	52.546	0.000	-470.948	250.635	28.424	1558.139	1558.139
	2	-52.546	470.948	19.778	517.952	-52.546	-470.948	0.000	250.635	28.424	1558.139	1558.139
GROUP 2 WIND 5 1	1	27.701	249.975	10.498	274.925	27.701	0.000	-249.975	-290.237	-31.905	-1757.890	-1757.890
	2	-27.701	249.975	10.498	274.925	-27.701	-249.975	0.000	-290.237	-31.905	-1757.890	-1757.890
GROUP 2 WIND 5 2	1	27.701	249.975	10.498	274.925	27.701	0.000	-249.975	290.237	31.905	1757.890	1757.890
	2	-27.701	249.975	10.498	274.925	-27.701	-249.975	0.000	290.237	31.905	1757.890	1757.890
GROUP 3 WIND 1 1	1	43.805	353.399	14.841	388.671	43.805	0.000	-353.399	-11.827	-2.957	-147.840	-147.840
	2	-43.805	353.399	14.841	388.671	-43.805	-353.399	0.000	-11.827	-2.957	-147.840	-147.840

COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

		TRANSVERSE							*	LONGITUDINAL		
LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF
GROUP 3 WIND 1 2	1	43.805	353.399	14.841	388.671	43.805	0.000	-353.399	11.827	2.957	147.840	147.840
	2	-43.805	353.399	14.841	388.671	-43.805	-353.399	0.000	11.827	2.957	147.840	147.840
GROUP 3 WIND 2 1	1	38.595	311.538	13.083	342.632	38.595	0.000	-311.538	-63.553	-6.474	-361.343	-361.343
	2	-38.595	311.538	13.083	342.632	-38.595	-311.538	0.000	-63.553	-6.474	-361.343	-361.343
GROUP 3 WIND 2 2	1	38.595	311.538	13.083	342.632	38.595	0.000	-311.538	63.553	6.474	361.343	361.343
	2	-38.595	311.538	13.083	342.632	-38.595	-311.538	0.000	63.553	6.474	361.343	361.343
GROUP 3 WIND 3 1	1	35.990	290.607	12.204	319.613	35.990	0.000	-290.607	-115.279	-9.991	-574.846	-574.846
	2	-35.990	290.607	12.204	319.613	-35.990	-290.607	0.000	-115.279	-9.991	-574.846	-574.846
GROUP 3 WIND 3 2	1	35.990	290.607	12.204	319.613	35.990	0.000	-290.607	115.279	9.991	574.846	574.846
	2	-35.990	290.607	12.204	319.613	-35.990	-290.607	0.000	115.279	9.991	574.846	574.846
GROUP 3 WIND 4 1	1	29.044	234.793	9.860	258.227	29.044	0.000	-234.793	-149.763	-12.335	-717.182	-717.182
	2	-29.044	234.793	9.860	258.227	-29.044	-234.793	0.000	-149.763	-12.335	-717.182	-717.182
GROUP 3 WIND 4 2	1	29.044	234.793	9.860	258.227	29.044	0.000	-234.793	149.763	12.335	717.182	717.182
	2	-29.044	234.793	9.860	258.227	-29.044	-234.793	0.000	149.763	12.335	717.182	717.182
GROUP 3 WIND 5 1	1	15.152	123.164	5.172	135.456	15.152	0.000	-123.164	-175.625	-14.094	-823.933	-823.933
	2	-15.152	123.164	5.172	135.456	-15.152	-123.164	0.000	-175.625	-14.094	-823.933	-823.933
GROUP 3 WIND 5 2	1	15.152	123.164	5.172	135.456	15.152	0.000	-123.164	175.625	14.094	823.933	823.933
	2	-15.152	123.164	5.172	135.456	-15.152	-123.164	0.000	175.625	14.094	823.933	823.933
LIVE LOAD LL 1	1	147.498	-125.984	-3.354	-41.711	147.498	596.961	-470.978	0.000	0.000	0.000	0.000
	2	-24.405	97.609	3.354	70.086	-24.405	-97.609	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 2	1	243.656	-46.690	-1.065	-6.565	243.656	596.961	-550.271	0.000	0.000	0.000	0.000
	2	2.530	24.317	1.065	28.938	2.530	-24.317	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 3	1	258.063	45.789	1.730	40.706	258.063	537.265	-583.055	0.000	0.000	0.000	0.000
	2	74.289	-69.538	-1.730	-16.957	74.289	69.538	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 4	1	-24.405	-97.609	-3.354	-70.086	-24.405	0.000	97.609	0.000	0.000	0.000	0.000
	2	147.498	125.984	3.354	41.711	147.498	470.978	-596.961	0.000	0.000	0.000	0.000
LIVE LOAD LL 5	1	2.551	-24.285	-1.064	-28.928	2.551	0.000	24.285	0.000	0.000	0.000	0.000
	2	243.635	46.666	1.064	6.548	243.635	550.295	-596.961	0.000	0.000	0.000	0.000
LIVE LOAD LL 6	1	74.332	69.554	1.730	16.954	74.332	0.000	-69.554	0.000	0.000	0.000	0.000
	2	258.020	-45.790	-1.730	-40.718	258.020	583.055	-537.265	0.000	0.000	0.000	0.000
LIVE LOAD LL 7	1	82.308	98.431	2.888	45.989	82.308	0.000	-98.431	0.000	0.000	0.000	0.000
	2	40.784	-94.128	-2.888	-50.291	40.784	94.128	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 8	1	216.472	36.893	1.264	26.308	216.472	322.121	-359.013	0.000	0.000	0.000	0.000
	2	29.714	-47.376	-1.264	-15.826	29.714	47.376	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 9	1	221.128	102.266	3.287	62.067	221.128	289.908	-392.175	0.000	0.000	0.000	0.000
	2	111.223	-116.845	-3.287	-47.489	111.223	116.845	0.000	0.000	0.000	0.000	0.000

COLUMN MOMENTS(KIP-FEET), SHEARS(KIPS), REACTIONS(KIPS)

TRANSVERSE * LONGITUDINAL

LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF
LIVE LOAD LL10	1	123.117	175.876	5.276	87.931	123.117	0.000	-175.876	0.000	0.000	0.000	0.000
	2	123.069	-175.867	-5.276	-87.940	123.069	175.867	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL11	1	236.593	80.836	2.687	53.495	236.593	367.002	-447.837	0.000	0.000	0.000	0.000
	2	95.759	-98.272	-2.687	-36.059	95.759	98.272	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL12	1	123.093	-223.592	-6.708	-111.796	123.093	596.961	-373.369	0.000	0.000	0.000	0.000
	2	123.093	223.592	6.708	111.796	123.093	373.369	-596.961	0.000	0.000	0.000	0.000
LIVE LOAD LL13	1	197.326	-129.869	-3.977	-68.985	197.326	537.265	-407.396	0.000	0.000	0.000	0.000
	2	135.025	135.270	3.977	63.584	135.025	401.995	-537.265	0.000	0.000	0.000	0.000

CAP ANALYSIS AND DESIGN DATA

CAP MOMENTS AND SHEARS

POINT	MOMENTS(KIP-FEET) D.L.TOT.	G1 MAX.+	G1 MAX.-	G2 MAX.+	G2 MAX.-	G3 MAX.+	G3 MAX.-	** SHEARS(KIPS) DL T.LT	DL T.RT	G1 + LT	G1 + RT	G1 - LT	G1 - RT
P 1	-30.062	-30.062	-30.062	-30.062	-30.062	-30.062	-30.062	-17.112	-322.261	-17.112	-322.261	-17.112	-486.812
P 2	-1843.183	-1843.183	-2727.809	-1843.183	-1843.183	-1843.183	-2372.899	-353.411	-353.411	-353.411	-353.411	-517.962	-517.962
C 1L	-2746.822	-2746.822	-4042.825	-2746.822	-2746.822	-2746.822	-3522.871	-369.499		-369.499		-534.050	
C 1R	-2509.906	-2297.998	-3775.718	-1592.456	-3427.357	-1923.597	-3727.296		427.699		660.922		374.716
P 4	-1460.768	-1307.299	-2350.803	-740.212	-2181.323	-1008.048	-2354.545	411.612	411.612	644.834	644.834	358.629	358.629
P 5	608.111	1753.030	-202.473	915.897	300.326	1447.817	-31.394	377.886	25.240	611.109	78.223	324.903	-27.743
P 6	608.983	1754.304	-201.602	916.296	301.670	1448.693	-30.286	-25.017	-377.663	27.966	-324.680	-78.000	-610.793
P 7	-1461.196	-1307.924	-2351.230	-740.640	-2181.751	-1008.594	-2354.973	-411.427	-411.427	-358.444	-358.444	-644.557	-644.557
C 2L	-2509.873	-2297.965	-3775.686	-1592.423	-3427.323	-1923.563	-3727.263	-427.515		-374.532		-660.645	
C 2R	-2746.822	-2746.822	-4042.825	-2746.822	-2746.822	-2746.822	-3522.871		369.499		534.050		369.499
P 9	-1843.183	-1843.183	-2727.809	-1843.183	-1843.183	-1843.183	-2372.899	353.411	353.411	517.962	517.962	353.411	353.411
P10	-30.062	-30.062	-30.062	-30.062	-30.062	-30.062	-30.062	322.261	17.112	486.812	17.112	322.261	17.112

CAP DESIGN DATA

PT.	M+ UNF. K-FT.	M- UNF. K-FT.	TOP REINFORCE. AS	NO.SIZE	BOT.REINFORCE. AS	NO.SIZE	LEFT STIRRUPS M.SP.	AV/IN	BAR&SPAC	RIGHT STIRRUPS M.SP.	AV/IN	BAR&SPAC	D IN.	FC PSI	PS %	FS/FF RATIO	FS/FZ RATIO
P 1	-23.124	-23.124	3.12	2 # 11	3.12	2 # 11	0.00	0.000	#5@ 0.00	24.00	0.055	#5@11.27	57.66		0.09	0.000	0.090
P 2	-1417.833	-1825.307	9.01	6 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00		0.20	0.572	1.324
C 1	-1833.089	-2709.901	13.48	9 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.059	#5@10.59	72.00		0.32	0.764	1.158
P 4	-1052.977	-1533.633	8.34	6 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00		0.18	0.576	1.113
P 5	995.147	94.409	3.12	2 # 11	7.66	5 # 11	24.00	0.055	#5@11.27	0.00	0.000	#5@ 0.00	72.00		0.17	0.880	0.917
P 6	996.003	95.079	3.12	2 # 11	7.67	5 # 11	0.00	0.000	#5@ 0.00	24.00	0.055	#5@11.27	72.00		0.17	0.880	0.917
P 7	-1053.397	-1533.962	8.34	6 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00		0.18	0.576	1.113
C 2	-1833.063	-2709.901	13.48	9 # 11	3.12	2 # 11	24.00	0.058	#5@10.60	24.00	0.055	#5@11.27	72.00		0.32	0.764	1.158
P 9	-1417.833	-1825.307	9.01	6 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00		0.20	0.572	1.324
P10	-23.124	-23.124	3.12	2 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	0.00	0.000	#5@ 0.00	57.66		0.09	0.000	0.090

NOTE: *** FS/FZ RATIO EXCEEDS 1.0! ***

COLUMN ANALYSIS AND DESIGN OUTPUT

CRITICAL COLUMN LOADS

CN	T B	GR	LLC	WC	R	E S	C F	S F	PF	MTF	MLF	PM	MTM	MLM	PU	MTU	MLU	PU/PM	B	D
1	T	1	LL 3	0.0					1710.1	-137.5	0.0	1710.1	575.2	737.4	8355.4	2813.9	3607.2	4.887	72.00	72.00
1	B	3	LL 3	5.1					1758.6	110.5	-2051.3	1758.6	576.2	2811.0	4796.6	1572.6	7671.3	2.729	72.00	72.00
2	T	1	LL 6	0.0					1709.8	137.5	0.0	1709.8	575.1	737.2	8355.5	2813.9	3607.0	4.888	72.00	72.00
2	B	3	LL 6	5.1	R				1758.4	-110.6	2051.3	1758.4	576.2	2810.9	4796.3	1572.5	7671.4	2.729	72.00	72.00

COLUMN DESIGN DATA

CN	T B	B FACE 1 NO.SIZE	B FACE 2 NO.SIZE	D FACE 3 NO.SIZE	D FACE 4 NO.SIZE	AS	PS	BD12	BD	SUMPU	SUMPC	DEL.T	DEL.L	CM	R	PHIC
1	T	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.417	3275.	30300.	1.121	1.437	1.000	1	0.75
1	B	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.036	2985.	35365.	1.092	1.370	1.000	1	0.75
2	T	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.417	3275.	30302.	1.121	1.437	1.000	1	0.75
2	B	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.037	2985.	35363.	1.092	1.370	1.000	1	0.75

FOOTING 1 DESIGN LOADS

F	G	LLID	WC	ES	C	S	P	MT	VT	ML	VL	P4	P3	P2	P1	MTF	VBF	VPF	LOAD
1	2		5.1R				1051.887	-366.065	-15.966	1757.890	31.905	19.812	-2.573	2.507	24.891	34.405	0.000	11.641	MAX.P1
1	3	LL13	5.1R				1596.668	-369.006	-18.123	2051.289	33.267	27.198	1.385	6.465	32.278	49.336	0.000	17.594	MAX.MT

2 2	5.1R	1439.292	-238.953	-6.539	2285.257	41.477	28.164	-0.757	2.350	31.271	42.738	0.000	15.862	MAX.VT
1 3 LL 3	5.1	1701.594	101.530	1.483	-2051.289	-33.267	30.151	4.338	5.610	31.423	47.807	0.000	18.750	MAX.VP
1 3 LL 3	5.1	1701.594	101.530	1.483	-2051.289	-33.267	30.151	4.338	5.610	31.423	76.190	0.000	18.750	MAX.ML
2 2	5.1R	1439.292	-238.953	-6.539	2285.257	41.477	28.164	-0.757	2.350	31.271	72.593	0.000	15.862	MAX.VL
2 2	5.1	1051.745	366.040	15.966	-1757.890	-31.905	19.810	-2.574	2.505	24.890	34.400	0.000	11.640	MAX.P3

FOOTING 1 ANALYSIS/DESIGN RESULTS

FOOTING SIZE				* BAR REINFORCEMENT STEEL				* SECTION CAPACITIES				
B	D	T	P1/PA	AS	NO.SIZE	SPAC.	PLACEMENT	MT.	VB	VP	DS	FC
10.000	10.000	3.000	0.996	0.46	23 # 4	@ 5.125	TOP TRAN	65.699	38.771	77.542	32.125	0.000
				0.70	23 # 5	@ 5.125	BOT.LONG	102.955	39.450	78.900	32.688	0.000

FOOTING 2 DESIGN SAME AS FOOTING 1