

30-OCT-09
18:14:32

GEORGIA DEPARTMENT OF TRANSPORTATION
PRECONSTRUCTION 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
36' CURB-CURB; 6 BEAMS; 140' SPAN; 50' TALL; BRIDGE 26 ; PIER 10

PROB. NO. 0001

DESIGN NO.	NO. CAN	NO. COL	NO. LLC	SKEW D	ANG M	F'C S	FC PSI	N	FY PSI	FS PSI	DESIGN DATA		CONC.	Z	* * * CAP			REINFORCING STEEL			* * * CAP					
OPTIONS						PSI					EC	ES	STRAIN	FACT	MAIN SIZE	STR SIZ	MAX TOP	MAX BOT	MIN TOP	MIN BOT	NO.	CL.	S.SP	INCR.	CL.	
D	D	D	L	2	2	11	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	R	KL	OC	OF	CM	BD1	BD2	IMPACT	SOIL	WT	ALL.S.P.	MIN	MAX	EDGE	PILE	REBAR	ALL.PILE	ALL.PILE	I
MIN.P	MAX.P	CL.SP.	CLEAR	MODE	COEF					%	KCF	KSF		PL SP	PL SP	DIST	DEPTH	CLEAR	CAPACITY	UPLIFT	P
1.00	8.00	2.50	3.750	1	2.00	0.75	0.90	0.00	1.00	0.75	18.87	0.120	0.000	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	10.500	2.500	4.000	5.500	5.500	2.000	8.000	6.863	4.363						
12	C	18.273	2.500	6.000	5.500		0.000	0.000	2.500	3.432	6.400	3.441				
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	SLOPE	EP	AP			
21	1	C	R		50.000	0.000	5.000	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	P	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

WIND ON SUPERSTRUCTURE	INTENSITIES	* WIND FORCE	ARM	* WIND ON PIER
TRANS.	LONG.	WIND	FT1 FT1	PT
1365.	2730.	1	50	0
44	6	41	12	33
16	17	19	7.375	7.375
			1.294	26.026

GROUP III WIND

STD. * WIND ON SUPERSTRUCTURE	INTENSITIES	* STD. * WIND ON LIVE LOAD	INTENSITIES	* LENGTHS OF LL	* WIND ON LL	LL ARMS
WIND	FT1 FL1	FT2 FL2	FT3 FL3	FT4 FL4	FT5 FL5	TRANS.
1	50	0	44	6	41	12
33	16	17	19	1	100	0
88	12	82	24	66	32	34
38	140.0	280.0	15.583	15.583		

MISCELLANEOUS FORCES

CENTRI.	TRACTION	FORCE	AND ARMS	EXPANSION	SHRINKAGE	STREAM	FLOW
FT	FL	APT	APL	COEFFICIENT	COEFFICIENT	PT	PL
0.000	9.860	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	252.680	0.000	280.123	0.000	280.123	280.123	0.000	280.123	0.000	252.680		
LL 1	1	73.128	0.000	64.283	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
LL 2	2	73.128	0.000	94.470	0.000	73.000	34.224	0.000	0.000	0.000	0.000		
LL 3	3	73.128	0.000	94.470	0.000	73.000	94.470	0.000	73.000	0.000	4.165		
LL 4	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	64.293	0.000	73.118		
LL 5	2	0.000	0.000	0.000	0.000	34.234	73.000	0.000	94.470	0.000	73.118		
LL 6	3	4.176	0.000	73.000	0.000	94.470	73.000	0.000	94.470	0.000	73.118		
LL 7	1	0.000	0.000	32.205	0.000	73.000	32.205	0.000	0.000	0.000	0.000		
LL 8	2	0.000	0.000	32.205	0.000	73.000	94.470	0.000	73.000	0.000	2.147		
LL 9	2	0.000	0.000	51.529	0.000	85.882	85.882	0.000	51.529	0.000	0.000		
LL10	2	73.128	0.000	64.283	0.000	0.000	0.000	0.000	64.293	0.000	73.118		
LL11	3	73.128	0.000	94.470	0.000	73.000	34.224	0.000	64.293	0.000	73.118		

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

TRANSVERSE

* LONGITUDINAL

LOAD	COL	PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF
UNIT F.AT CL.CAP	1	1.343	12.268	0.500	12.732	1.343	0.000	-12.268	2.000	0.500	25.000	25.000
	2	-1.343	12.268	0.500	12.732	-1.343	-12.268	0.000	2.000	0.500	25.000	25.000
EXPANSION OF CAP	1	0.000	48.465	2.048	53.954	0.000	0.000	-48.465	0.000	0.000	0.000	0.000
	2	0.000	-48.465	-2.048	-53.954	0.000	48.465	0.000	0.000	0.000	0.000	0.000
SHRINKAGE OF CAP	1	0.000	-118.471	-5.007	-131.889	0.000	0.000	118.471	0.000	0.000	0.000	0.000
	2	0.000	118.471	5.007	131.889	0.000	-118.471	0.000	0.000	0.000	0.000	0.000
DEAD LOAD TOTAL	1	903.665	-128.322	-3.850	-64.172	1039.147	1955.312	-1826.990	0.000	0.000	0.000	0.000
	2	1039.147	128.337	3.850	64.157	1038.869	1826.975	-1955.312	0.000	0.000	0.000	0.000
		903.388										
		1038.869										

PIER-36-6-140-50.OUT

TRAC. FORCE 1 LN	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-96.544	-4.930	-323.324	-323.324
	2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	-96.544	-4.930	-323.324	-323.324
WIND ON SUBSTR.	1	1.738	15.875	0.647	16.475	1.738	0.000	-15.875	-52.052	-13.013	-650.650	-650.650	-650.650
	2	-1.738	15.875	0.647	16.475	-1.738	-15.875	0.000	-52.052	-13.013	-650.650	-650.650	-650.650
GROUP 2 WIND 1 1	1	120.929	853.195	34.772	885.405	120.929	0.000	-853.195	-52.052	-13.013	-650.650	-650.650	-650.650
	2	-120.929	853.195	34.772	885.405	-120.929	-853.195	0.000	-52.052	-13.013	-650.650	-650.650	-650.650
GROUP 2 WIND 1 2	1	120.929	853.195	34.772	885.405	120.929	0.000	-853.195	52.052	13.013	650.650	650.650	650.650
	2	-120.929	853.195	34.772	885.405	-120.929	-853.195	0.000	52.052	13.013	650.650	650.650	650.650
GROUP 2 WIND 2 1	1	106.626	752.717	30.677	781.133	106.626	0.000	-752.717	-145.213	-21.203	-1120.551	-1120.551	-1120.551
	2	-106.626	752.717	30.677	781.133	-106.626	-752.717	0.000	-145.213	-21.203	-1120.551	-1120.551	-1120.551
GROUP 2 WIND 2 2	1	106.626	752.717	30.677	781.133	106.626	0.000	-752.717	145.213	21.203	1120.551	1120.551	1120.551
	2	-106.626	752.717	30.677	781.133	-106.626	-752.717	0.000	145.213	21.203	1120.551	1120.551	1120.551
GROUP 2 WIND 3 1	1	99.474	702.478	28.629	728.997	99.474	0.000	-702.478	-238.375	-29.393	-1590.453	-1590.453	-1590.453
	2	-99.474	702.478	28.629	728.997	-99.474	-702.478	0.000	-238.375	-29.393	-1590.453	-1590.453	-1590.453
GROUP 2 WIND 3 2	1	99.474	702.478	28.629	728.997	99.474	0.000	-702.478	238.375	29.393	1590.453	1590.453	1590.453
	2	-99.474	702.478	28.629	728.997	-99.474	-702.478	0.000	238.375	29.393	1590.453	1590.453	1590.453
GROUP 2 WIND 4 1	1	80.404	568.507	23.169	589.968	80.404	0.000	-568.507	-300.482	-34.853	-1903.720	-1903.720	-1903.720
	2	-80.404	568.507	23.169	589.968	-80.404	-568.507	0.000	-300.482	-34.853	-1903.720	-1903.720	-1903.720
GROUP 2 WIND 4 2	1	80.404	568.507	23.169	589.968	80.404	0.000	-568.507	300.482	34.853	1903.720	1903.720	1903.720
	2	-80.404	568.507	23.169	589.968	-80.404	-568.507	0.000	300.482	34.853	1903.720	1903.720	1903.720
GROUP 2 WIND 5 1	1	42.263	300.564	12.250	311.911	42.263	0.000	-300.564	-347.063	-38.948	-2138.671	-2138.671	-2138.671
	2	-42.263	300.564	12.250	311.911	-42.263	-300.564	0.000	-347.063	-38.948	-2138.671	-2138.671	-2138.671
GROUP 2 WIND 5 2	1	42.263	300.564	12.250	311.911	42.263	0.000	-300.564	347.063	38.948	2138.671	2138.671	2138.671
	2	-42.263	300.564	12.250	311.911	-42.263	-300.564	0.000	347.063	38.948	2138.671	2138.671	2138.671
GROUP 3 WIND 1 1	1	67.017	427.717	17.432	443.863	67.017	0.000	-427.717	-15.616	-3.904	-195.195	-195.195	-195.195
	2	-67.017	427.717	17.432	443.863	-67.017	-427.717	0.000	-15.616	-3.904	-195.195	-195.195	-195.195

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

LOAD	COL	TRANSVERSE							* LONGITUDINAL				
		PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF	
GROUP 3 WIND 1 2	1	67.017	427.717	17.432	443.863	67.017	0.000	-427.717	15.616	3.904	195.195	195.195	195.195
	2	-67.017	427.717	17.432	443.863	-67.017	-427.717	0.000	15.616	3.904	195.195	195.195	195.195
GROUP 3 WIND 2 1	1	59.037	376.962	15.363	391.193	59.037	0.000	-376.962	-76.463	-8.041	-446.345	-446.345	-446.345
	2	-59.037	376.962	15.363	391.193	-59.037	-376.962	0.000	-76.463	-8.041	-446.345	-446.345	-446.345
GROUP 3 WIND 2 2	1	59.037	376.962	15.363	391.193	59.037	0.000	-376.962	76.463	8.041	446.345	446.345	446.345
	2	-59.037	376.962	15.363	391.193	-59.037	-376.962	0.000	76.463	8.041	446.345	446.345	446.345
GROUP 3 WIND 3 1	1	55.048	351.585	14.329	364.858	55.048	0.000	-351.585	-137.311	-12.178	-697.495	-697.495	-697.495
	2	-55.048	351.585	14.329	364.858	-55.048	-351.585	0.000	-137.311	-12.178	-697.495	-697.495	-697.495
GROUP 3 WIND 3 2	1	55.048	351.585	14.329	364.858	55.048	0.000	-351.585	137.311	12.178	697.495	697.495	697.495
	2	-55.048	351.585	14.329	364.858	-55.048	-351.585	0.000	137.311	12.178	697.495	697.495	697.495
GROUP 3 WIND 4 1	1	44.408	283.912	11.571	294.630	44.408	0.000	-283.912	-177.876	-14.936	-864.928	-864.928	-864.928
	2	-44.408	283.912	11.571	294.630	-44.408	-283.912	0.000	-177.876	-14.936	-864.928	-864.928	-864.928
GROUP 3 WIND 4 2	1	44.408	283.912	11.571	294.630	44.408	0.000	-283.912	177.876	14.936	864.928	864.928	864.928
	2	-44.408	283.912	11.571	294.630	-44.408	-283.912	0.000	177.876	14.936	864.928	864.928	864.928
GROUP 3 WIND 5 1	1	23.130	148.567	6.055	154.176	23.130	0.000	-148.567	-208.300	-17.004	-990.503	-990.503	-990.503
	2	-23.130	148.567	6.055	154.176	-23.130	-148.567	0.000	-208.300	-17.004	-990.503	-990.503	-990.503
GROUP 3 WIND 5 2	1	23.130	148.567	6.055	154.176	23.130	0.000	-148.567	208.300	17.004	990.503	990.503	990.503
	2	-23.130	148.567	6.055	154.176	-23.130	-148.567	0.000	208.300	17.004	990.503	990.503	990.503
LIVE LOAD LL 1	1	164.368	-50.992	-1.390	-18.522	164.368	501.877	-450.886	0.000	0.000	0.000	0.000	0.000
	2	-26.957	41.694	1.390	27.820	-26.957	-41.694	0.000	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 2	1	255.039	-10.810	-0.200	0.810	255.039	501.877	-491.067	0.000	0.000	0.000	0.000	0.000
	2	19.783	2.524	0.200	7.477	19.783	-2.524	0.000	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 3	1	245.705	7.504	0.351	10.044	245.705	451.690	-459.193	0.000	0.000	0.000	0.000	0.000
	2	125.305	-15.894	-0.351	-1.654	125.305	41.619	-25.726	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 4	1	-26.953	-41.688	-1.390	-27.816	-26.953	0.000	41.688	0.000	0.000	0.000	0.000	0.000
	2	164.364	50.985	1.390	18.520	164.364	450.824	-501.809	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 5	1	19.847	-2.500	-0.199	-7.468	19.847	0.000	2.500	0.000	0.000	0.000	0.000	0.000
	2	254.975	10.791	0.199	-0.823	254.975	491.018	-501.809	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 6	1	125.396	15.890	0.351	1.648	125.396	25.794	-41.684	0.000	0.000	0.000	0.000	0.000
	2	245.614	-7.495	-0.351	-10.044	245.614	459.123	-451.628	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 7	1	92.036	39.460	1.168	18.932	92.036	0.000	-39.460	0.000	0.000	0.000	0.000	0.000
	2	45.374	-38.397	-1.168	-19.996	45.374	38.397	0.000	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 8	1	111.400	60.479	1.819	30.450	111.400	0.000	-60.479	0.000	0.000	0.000	0.000	0.000
	2	163.422	-60.760	-1.819	-30.170	163.422	75.495	-14.735	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL 9	1	137.454	63.569	1.907	31.781	137.454	0.000	-63.569	0.000	0.000	0.000	0.000	0.000
	2	137.368	-63.564	-1.907	-31.786	137.368	63.564	0.000	0.000	0.000	0.000	0.000	0.000

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

LOAD	COL	TRANSVERSE							* LONGITUDINAL				
		PC	MT	V	MB	RF	ML	MR	MT	V	MB	MF	
LIVE LOAD LL10	1	137.415	-92.680	-2.780	-46.339	137.415	501.877	-409.198	0.000	0.000	0.000	0.000	0.000
	2	137.407	92.679	2.780	46.340	137.407	409.130	-501.809	0.000	0.000	0.000	0.000	0.000

PIER-36-6-140-50.OUT

LIVE LOAD LL11	1	205.277	-47.248	-1.431	-24.306	205.277	451.690	-404.441	0.000	0.000	0.000	0.000
	2	165.732	48.157	1.431	23.397	165.732	403.470	-451.628	0.000	0.000	0.000	0.000

CAP ANALYSIS AND DESIGN DATA

CAP MOMENTS AND SHEARS

POINT	MOMENTS(KIP-FEET)								SHEARS(KIPS)							
	D.L.TOT.	G1 MAX.+	G1 MAX.-	G2 MAX.+	G2 MAX.-	G3 MAX.+	G3 MAX.-	DL T.LT	DL T.RT	G1 + LT	G1 + RT	G1 - LT	G1 - RT			
P 1	-30.523	-30.523	-30.523	-30.523	-30.523	-30.523	-30.523	-17.376	-345.860	-17.376	-345.860	-17.376	-504.621			
P 2	-1593.336	-1593.336	-2286.009	-1593.336	-1593.336	-1593.336	-2008.110	-371.384	-371.384	-371.384	-371.384	-530.145	-530.145			
C 1L	-2541.905	-2541.905	-3631.481	-2541.905	-2541.905	-2541.905	-3194.345	-387.471		-387.471		-546.232				
C 1R	-2375.086	-2284.581	-3441.193	-1265.932	-3484.240	-1764.860	-3569.505		423.134		629.089		364.619			
P 4	-1337.362	-1009.014	-2225.710	-531.703	-2143.020	-736.861	-2273.192	407.046	407.046	613.002	613.002	348.531	348.531			
P 5	21.723	990.284	-866.597	410.743	-367.297	796.720	-705.226	384.961	20.801	590.917	84.122	326.446	-42.342			
P 6	23.063	997.731	-865.206	410.991	-364.864	801.169	-703.307	-20.383	-384.543	42.938	-326.020	-83.526	-590.321			
P 7	-1338.244	-1010.349	-2226.486	-532.586	-2143.903	-738.014	-2274.011	-406.685	-406.685	-348.162	-348.162	-612.464	-612.464			
C 2L	-2375.067	-2284.550	-3441.067	-1265.913	-3484.221	-1764.834	-3569.422	-422.773		-364.250		-628.551				
C 2R	-2541.905	-2541.905	-3631.332	-2541.905	-2541.905	-2541.905	-3194.256		387.471		546.211		387.471			
P 9	-1593.336	-1593.336	-2285.915	-1593.336	-1593.336	-1593.336	-2008.053	371.384	371.384	530.123	530.123	371.384	371.384			
P10	-30.524	-30.524	-30.524	-30.524	-30.524	-30.524	-30.524	345.860	17.376	504.599	17.376	345.860	17.376			

PT.	M+ UNF. K-FT.		M- UNF. K-FT.		TOP REINFORCE. AS NO. SIZE		BOT. REINFORCE. AS NO. SIZE		CAP DESIGN DATA 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
	M+	UNF.	M-	UNF.	AS	NO. SIZE	AS	NO. SIZE	M.SP.	AV/IN	BAR&SPAC	M.SP.	AV/IN	BAR&SPAC							
P 1	-23.480		-23.480		3.12	2 # 11	3.12	2 # 11	0.00	0.000	#5@ 0.00	24.00	0.055	#5@11.27	58.91			0.09	0.000	0.089	
P 2	-1225.643		-1544.700		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	0.411	1.121	
C 1	-1785.301		-2457.189		12.08	8 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00			0.29	0.690	1.224	
P 4	-877.497		-1437.928		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	0.628	1.043	
P 5	462.846		-392.466		3.76	3 # 11	4.49	3 # 11	24.00	0.055	#5@11.27	0.00	0.000	#5@ 0.00	72.00			0.17	0.833	0.000	
P 6	466.690		-391.411		3.76	3 # 11	4.52	3 # 11	0.00	0.000	#5@ 0.00	24.00	0.055	#5@11.27	72.00			0.17	0.840	0.000	
P 7	-878.384		-1438.558		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	0.627	1.044	
C 2	-1785.281		-2457.120		12.08	8 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	24.00	0.055	#5@11.27	72.00			0.29	0.690	1.224	
P 9	-1225.643		-1544.657		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	0.411	1.121	
P10	-23.480		-23.480		3.12	2 # 11	3.12	2 # 11	24.00	0.055	#5@11.27	0.00	0.000	#5@ 0.00	58.91			0.09	0.000	0.089	

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

COLUMN ANALYSIS AND DESIGN OUTPUT

CN	T B	CRITICAL COLUMN LOADS										MTU	MLU	PU/PM	B	D				
		GR	LLC	WC	R	E S	C F	S F	PF	MTF	MLF						PM	MTM	MLM	PU
1	T	1	LL 2	0.0					1728.5	-190.3	0.0	1728.5	575.2	976.5	5143.9	1712.4	2906.8	2.976	60.00	60.00
1	B	2		5.1					1405.8	322.1	-2780.3	1405.8	397.6	4668.1	1415.3	401.0	4707.1	1.008	60.00	60.00
2	T	5		1.1		S			978.1	1375.0	-65.1	978.1	1536.8	362.9	2855.0	4491.3	1060.5	2.922	60.00	60.00
2	B	2		5.1		R			1405.5	-322.1	2780.3	1405.5	397.5	4667.3	1415.1	400.9	4707.0	1.008	60.00	60.00

CN	T B	COLUMN DESIGN DATA															
		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	19 # 11	0 # 0	0 # 0	0 # 0	29.64	1.048	1.00	0.928	3122.	12548.	1.331	2.260	1.000	1	0.75	
1	B	25 # 11	0 # 0	0 # 0	0 # 0	39.00	1.379	1.00	0.000	2525.	21746.	1.131	1.679	1.000	1	0.75	
2	T	19 # 11	0 # 0	0 # 0	0 # 0	29.64	1.048	1.00	0.088	2428.	23059.	1.118	1.484	1.000	1	0.75	
2	B	25 # 11	0 # 0	0 # 0	0 # 0	39.00	1.379	1.00	0.000	2525.	21746.	1.131	1.679	1.000	1	0.75	

F G	LLID	WC	ES	C S	FOOTING 1 DESIGN LOADS												
					P	MT	VT	ML	VL	P4	P3	P2	P1	MTF	VBF	VPF	LOAD
1	2	4.1			1119.550	525.796	19.320	-1903.720	-34.853	219.404	50.595	124.772	293.581	67.299	1.944	36.770	MAX.P1
1	2	4.1			1455.416	683.535	25.116	-2474.836	-45.309	285.225	65.774	162.204	381.655	87.489	2.527	47.800	MAX.MT
1	2	4.1			1455.416	683.535	25.116	-2474.836	-45.309	285.225	65.774	162.204	381.655	87.489	2.527	47.800	MAX.VT
1	3	LL 3	5.1		1649.670	127.989	3.250	-2422.521	-39.410	349.440	136.069	153.490	366.861	83.494	2.380	54.060	MAX.VP
1	3	LL 3	5.1		1649.670	127.989	3.250	-2422.521	-39.410	349.440	136.069	153.490	366.861	177.661	5.846	54.060	MAX.ML
1	3	LL 3	5.1		1649.670	127.989	3.250	-2422.521	-39.410	349.440	136.069	153.490	366.861	177.661	5.846	54.060	MAX.VL
2	2	4.1			958.465	654.126	27.019	-1903.720	-34.853	186.687	17.878	111.465	280.273	62.776	1.778	31.579	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
10.500	10.500	3.500	0.999	0.79	19 # 6 @	6.625	TOP TRAN	87.945	30.431	60.863	25.215	0.000
				1.58	11 #11 @	11.375	BOT.LONG	183.281	31.735	63.470	26.295	0.000

NUMBER OF PILES = 7 BP = 4.000 DP = 4.000

FOOTING 2 DESIGN SAME AS FOOTING 1