

01-NOV-09  
16:01:45

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  
44' CURB-CURB; 6 BEAMS; 119' SPAN; 50' DRILLED CAISSON; BRIDGE 26 ; PIE

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											EC	ES	STRAIN	FACT	MAIN	STR	MAX	MAX	MIN	MIN	TOP	MIN	DEPTH	BOT		
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	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	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	7.874	5.374						
12	C	24.251	2.500	6.000	5.500		0.000	0.000	2.500	5.625	8.000	5.626				
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	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	6.000	6.000	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 APT	ARM 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	19.940

GROUP III WIND

WIND ON SUPERSTRUCTURE INTENSITIES	* WIND ON LIVE LOAD INTENSITIES	* LENGTHS OF LL TRANS.	LL LONGI.	* WIND ON LL APT	LL ARMS APL
1	50	0	44	6	41
12	33	16	17	19	1
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 FL	FORCE APT	AND ARMS APL	EXPANSION COEFFICIENT	SHRINKAGE COEFFICIENT	STREAM PT	FLOW PL
10.584	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	237.884	0.000	276.316	0.000	276.316	276.316	0.000	276.316	0.000	237.884		
LL 1	1	76.941	0.000	46.152	0.000	0.000	0.000	0.000	0.000	0.000	0.000		
LL 2	2	76.941	0.000	92.328	0.000	76.918	0.000	0.000	0.000	0.000	0.000		
LL 3	3	76.941	0.000	92.328	0.000	107.699	76.933	0.000	15.379	0.000	0.000		
LL 4	1	0.000	0.000	0.000	0.000	0.000	0.000	0.000	46.160	0.000	76.933		
LL 5	2	0.000	0.000	0.000	0.000	0.000	76.933	0.000	92.320	0.000	76.933		
LL 6	3	0.000	0.000	15.386	0.000	76.933	107.707	0.000	92.320	0.000	76.933		
LL 7	1	0.000	0.000	23.080	0.000	76.933	23.080	0.000	0.000	0.000	0.000		
LL 8	2	38.466	0.000	100.013	0.000	84.627	23.080	0.000	0.000	0.000	0.000		
LL 9	3	38.466	0.000	100.013	0.000	92.320	100.013	0.000	38.466	0.000	0.000		
LL10	2	0.000	0.000	30.773	0.000	92.320	92.320	0.000	30.773	0.000	0.000		
LL11	3	46.160	0.000	107.707	0.000	92.320	92.320	0.000	30.773	0.000	0.000		
LL12	2	76.941	0.000	46.152	0.000	0.000	0.000	0.000	46.160	0.000	76.933		
LL13	3	76.941	0.000	92.328	0.000	76.918	0.000	0.000	46.160	0.000	76.933		

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	0.980	11.883	0.500	13.117	0.980	0.000	-11.883	2.000	0.500	25.000	25.000
	2	-0.980	11.883	0.500	13.117	-0.980	-11.883	0.000	2.000	0.500	25.000	25.000
EXPANSION OF CAP	1	0.000	100.771	4.659	132.179	0.000	0.000	-100.771	0.000	0.000	0.000	0.000
	2	0.000	-100.771	-4.659	-132.179	0.000	100.771	0.000	0.000	0.000	0.000	0.000
SHRINKAGE OF CAP	1	0.000	-246.330	-11.389	-323.104	0.000	0.000	246.330	0.000	0.000	0.000	0.000
	2	0.000	246.330	11.389	323.104	0.000	-246.330	0.000	0.000	0.000	0.000	0.000

DS-44-6-119-50.OUT												
DEAD LOAD TOTAL	1	900.049	-154.276	-4.628	-77.141	1095.142	2137.305	-1983.029	0.000	0.000	0.000	0.000
	2	1095.142	154.281	4.628	77.137	1095.119	1983.024	-2137.305	0.000	0.000	0.000	0.000
		900.026										
		1095.119										
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
CENT. FORCE 1 LN	1	17.173	125.767	5.292	138.833	17.173	0.000	-125.767	0.000	0.000	0.000	0.000
	2	-17.173	125.767	5.292	138.833	-17.173	-125.767	0.000	0.000	0.000	0.000	0.000
WIND ON SUBSTR.	1	1.250	15.162	0.638	16.738	1.250	0.000	-15.162	-39.880	-9.970	-498.500	-498.500
	2	-1.250	15.162	0.638	16.738	-1.250	-15.162	0.000	-39.880	-9.970	-498.500	-498.500
GROUP 2 WIND 1 1	1	75.728	704.362	29.638	777.538	75.728	0.000	-704.362	-39.880	-9.970	-498.500	-498.500
	2	-75.728	704.362	29.638	777.538	-75.728	-704.362	0.000	-39.880	-9.970	-498.500	-498.500
GROUP 2 WIND 1 2	1	75.728	704.362	29.638	777.538	75.728	0.000	-704.362	39.880	9.970	498.500	498.500
	2	-75.728	704.362	29.638	777.538	-75.728	-704.362	0.000	39.880	9.970	498.500	498.500
GROUP 2 WIND 2 1	1	66.790	621.658	26.158	686.242	66.790	0.000	-621.658	-119.084	-16.933	-898.002	-898.002
	2	-66.790	621.658	26.158	686.242	-66.790	-621.658	0.000	-119.084	-16.933	-898.002	-898.002
GROUP 2 WIND 2 2	1	66.790	621.658	26.158	686.242	66.790	0.000	-621.658	119.084	16.933	898.002	898.002
	2	-66.790	621.658	26.158	686.242	-66.790	-621.658	0.000	119.084	16.933	898.002	898.002
GROUP 2 WIND 3 1	1	62.322	580.306	24.418	640.594	62.322	0.000	-580.306	-198.288	-23.896	-1297.504	-1297.504
	2	-62.322	580.306	24.418	640.594	-62.322	-580.306	0.000	-198.288	-23.896	-1297.504	-1297.504
GROUP 2 WIND 3 2	1	62.322	580.306	24.418	640.594	62.322	0.000	-580.306	198.288	23.896	1297.504	1297.504
	2	-62.322	580.306	24.418	640.594	-62.322	-580.306	0.000	198.288	23.896	1297.504	1297.504
GROUP 2 WIND 4 1	1	50.405	470.034	19.778	518.866	50.405	0.000	-470.034	-251.091	-28.538	-1563.839	-1563.839
	2	-50.405	470.034	19.778	518.866	-50.405	-470.034	0.000	-251.091	-28.538	-1563.839	-1563.839
GROUP 2 WIND 4 2	1	50.405	470.034	19.778	518.866	50.405	0.000	-470.034	251.091	28.538	1563.839	1563.839
	2	-50.405	470.034	19.778	518.866	-50.405	-470.034	0.000	251.091	28.538	1563.839	1563.839
GROUP 2 WIND 5 1	1	26.573	249.490	10.498	275.410	26.573	0.000	-249.490	-290.693	-32.020	-1763.590	-1763.590
	2	-26.573	249.490	10.498	275.410	-26.573	-249.490	0.000	-290.693	-32.020	-1763.590	-1763.590
GROUP 2 WIND 5 2	1	26.573	249.490	10.498	275.410	26.573	0.000	-249.490	290.693	32.020	1763.590	1763.590
	2	-26.573	249.490	10.498	275.410	-26.573	-249.490	0.000	290.693	32.020	1763.590	1763.590

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

LOAD	COL	PC	TRANSVERSE						* LONGITUDINAL				
			MT	V	MB	RF	ML	MR	MT	V	MB	MF	
GROUP 3 WIND 1 1	1	42.027	352.713	14.841	389.357	42.027	0.000	-352.713	-11.964	-2.991	-149.550	-149.550	
	2	-42.027	352.713	14.841	389.357	-42.027	-352.713	0.000	-11.964	-2.991	-149.550	-149.550	
GROUP 3 WIND 1 2	1	42.027	352.713	14.841	389.357	42.027	0.000	-352.713	11.964	2.991	149.550	149.550	
	2	-42.027	352.713	14.841	389.357	-42.027	-352.713	0.000	11.964	2.991	149.550	149.550	
GROUP 3 WIND 2 1	1	37.028	310.933	13.083	343.237	37.028	0.000	-310.933	-63.690	-6.508	-363.053	-363.053	
	2	-37.028	310.933	13.083	343.237	-37.028	-310.933	0.000	-63.690	-6.508	-363.053	-363.053	
GROUP 3 WIND 2 2	1	37.028	310.933	13.083	343.237	37.028	0.000	-310.933	63.690	6.508	363.053	363.053	
	2	-37.028	310.933	13.083	343.237	-37.028	-310.933	0.000	63.690	6.508	363.053	363.053	
GROUP 3 WIND 3 1	1	34.529	290.044	12.204	320.177	34.529	0.000	-290.044	-115.416	-10.025	-576.556	-576.556	
	2	-34.529	290.044	12.204	320.177	-34.529	-290.044	0.000	-115.416	-10.025	-576.556	-576.556	
GROUP 3 WIND 3 2	1	34.529	290.044	12.204	320.177	34.529	0.000	-290.044	115.416	10.025	576.556	576.556	
	2	-34.529	290.044	12.204	320.177	-34.529	-290.044	0.000	115.416	10.025	576.556	576.556	
GROUP 3 WIND 4 1	1	27.865	234.337	9.860	258.683	27.865	0.000	-234.337	-149.899	-12.369	-718.892	-718.892	
	2	-27.865	234.337	9.860	258.683	-27.865	-234.337	0.000	-149.899	-12.369	-718.892	-718.892	
GROUP 3 WIND 4 2	1	27.865	234.337	9.860	258.683	27.865	0.000	-234.337	149.899	12.369	718.892	718.892	
	2	-27.865	234.337	9.860	258.683	-27.865	-234.337	0.000	149.899	12.369	718.892	718.892	
GROUP 3 WIND 5 1	1	14.537	122.925	5.172	135.695	14.537	0.000	-122.925	-175.762	-14.128	-825.643	-825.643	
	2	-14.537	122.925	5.172	135.695	-14.537	-122.925	0.000	-175.762	-14.128	-825.643	-825.643	
GROUP 3 WIND 5 2	1	14.537	122.925	5.172	135.695	14.537	0.000	-122.925	175.762	14.128	825.643	825.643	
	2	-14.537	122.925	5.172	135.695	-14.537	-122.925	0.000	175.762	14.128	825.643	825.643	
LIVE LOAD LL 1	1	146.841	-131.275	-3.489	-43.200	146.841	605.833	-474.559	0.000	0.000	0.000	0.000	
	2	-23.748	101.358	3.489	73.116	-23.748	-101.358	0.000	0.000	0.000	0.000	0.000	
LIVE LOAD LL 2	1	244.444	-48.102	-1.096	-6.691	244.444	605.833	-557.732	0.000	0.000	0.000	0.000	
	2	1.743	24.956	1.096	29.837	1.743	-24.956	0.000	0.000	0.000	0.000	0.000	
LIVE LOAD LL 3	1	261.471	55.445	2.031	46.087	261.471	545.250	-600.695	0.000	0.000	0.000	0.000	
	2	70.881	-79.931	-2.031	-21.601	70.881	79.931	0.000	0.000	0.000	0.000	0.000	
LIVE LOAD LL 4	1	-23.746	-101.348	-3.489	-73.109	-23.746	0.000	101.348	0.000	0.000	0.000	0.000	
	2	146.839	131.261	3.489	43.196	146.839	474.509	-605.770	0.000	0.000	0.000	0.000	
LIVE LOAD LL 5	1	1.754	-24.925	-1.095	-29.819	1.754	0.000	24.925	0.000	0.000	0.000	0.000	
	2	244.432	48.068	1.095	6.677	244.432	557.703	-605.770	0.000	0.000	0.000	0.000	
LIVE LOAD LL 6	1	70.899	79.951	2.031	21.611	70.899	0.000	-79.951	0.000	0.000	0.000	0.000	
	2	261.452	-55.465	-2.031	-46.097	261.452	600.659	-545.193	0.000	0.000	0.000	0.000	
LIVE LOAD LL 7	1	82.167	106.116	3.112	49.503	82.167	0.000	-106.116	0.000	0.000	0.000	0.000	
	2	40.926	-101.376	-3.112	-54.243	40.926	101.376	0.000	0.000	0.000	0.000	0.000	
LIVE LOAD LL 8	1	214.582	48.806	1.607	31.557	214.582	302.881	-351.688	0.000	0.000	0.000	0.000	
	2	31.604	-58.345	-1.607	-22.019	31.604	58.345	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	DS-44-6-119-50.OUT		MR	MT	V	MB	MF
						RF	ML					
LIVE LOAD LL 9	1	220.703	120.193	3.817	70.648	220.703	272.593	-392.786	0.000	0.000	0.000	0.000
	2	111.647	-134.262	-3.817	-56.579	111.647	134.262	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL10	1	123.097	191.536	5.746	95.767	123.097	0.000	-191.536	0.000	0.000	0.000	0.000
	2	123.089	-191.534	-5.746	-95.768	123.089	191.534	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL11	1	234.395	101.501	3.287	62.864	234.395	327.117	-428.618	0.000	0.000	0.000	0.000
	2	97.957	-117.653	-3.287	-46.712	97.957	117.653	0.000	0.000	0.000	0.000	0.000
LIVE LOAD LL12	1	123.095	-232.623	-6.979	-116.309	123.095	605.833	-373.211	0.000	0.000	0.000	0.000
	2	123.091	232.619	6.979	116.312	123.091	373.151	-605.770	0.000	0.000	0.000	0.000
LIVE LOAD LL13	1	198.628	-134.505	-4.126	-71.820	198.628	545.250	-410.746	0.000	0.000	0.000	0.000
	2	133.724	140.595	4.126	65.730	133.724	404.598	-545.193	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	-30.096	-30.096	-30.096	-30.096	-30.096	-30.096	-30.096	-17.122	-326.372	-17.122	-326.372	-17.122	-493.410			
P 2	-1864.608	-1864.608	-2762.275	-1864.608	-1864.608	-1864.608	-2402.133	-357.512	-357.512	-357.512	-357.512	-524.551	-524.551			
C 1L	-2778.496	-2778.496	-4093.761	-2778.496	-2778.496	-2778.496	-3566.080	-373.599		-373.599		-540.638				
C 1R	-2577.938	-2357.911	-4323.488	-1662.267	-3493.608	-1987.658	-4258.810		437.253		710.578		385.702			
P 4	-1504.913	-1368.840	-2574.716	-778.034	-2231.793	-1059.443	-2645.564	421.166	421.166	694.491	694.491	369.614	369.614			
P 5	762.341	1975.053	-155.739	1064.443	460.239	1639.795	18.031	384.969	25.758	658.294	90.799	333.417	-25.794			
P 6	762.487	2083.123	-47.667	1064.514	460.461	1747.800	126.123	-25.722	-384.933	39.319	-319.892	-77.274	-621.842			
P 7	-1504.983	-1018.502	-2406.262	-778.103	-2231.863	-709.097	-2408.661	-421.136	-421.136	-356.095	-356.095	-658.045	-658.045			
C 2L	-2577.932	-2194.385	-3881.962	-1662.262	-3493.602	-1759.968	-3817.315	-437.223		-372.182		-674.133				
C 2R	-2778.496	-2778.496	-4093.624	-2778.496	-2778.496	-2778.496	-3565.998		373.599		540.621		373.599			
P 9	-1864.608	-1864.608	-2762.182	-1864.608	-1864.608	-1864.608	-2402.077	357.512	357.512	524.533	524.533	357.512	357.512			
P10	-30.096	-30.096	-30.096	-30.096	-30.096	-30.096	-30.096	326.372	17.122	493.393	17.122	326.372	17.122			

PT.	CAP DESIGN DATA		LEFT STIRRUPS		RIGHT STIRRUPS		D IN.	FC PSI	PS %	FS/FF RATIO	FS/FZ RATIO	
	M+ UNF. K-FT.	M- UNF. K-FT.	TOP REINFORCE. AS NO. SIZE	BOT. REINFORCE. AS NO. SIZE	M.SP. AV/IN	BAR&SPAC						M.SP. AV/IN
P 1	-23.151	-23.151	3.12 2 # 11	3.12 2 # 11	0.00	0.000 #5@ 0.00	24.00	0.055 #5@11.27	57.67	0.09	0.000	0.090
P 2	-1434.314	-1847.795	9.12 6 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.20	0.584	1.340
C 1	-1881.681	-2923.295	14.44 10 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.073 #5@ 8.52	72.00	0.35	0.789	1.089
P 4	-1094.948	-1755.058	8.73 6 # 11	3.12 2 # 11	24.00	0.068 #5@ 9.10	24.00	0.068 #5@ 9.10	72.00	0.19	0.804	1.273
P 5	1145.012	130.238	3.12 2 # 11	8.34 6 # 11	24.00	0.058 #5@10.72	0.00	0.000 #5@ 0.00	72.00	0.18	0.826	0.831
P 6	1228.122	213.358	3.12 2 # 11	8.34 6 # 11	0.00	0.000 #5@ 0.00	24.00	0.055 #5@11.27	72.00	0.18	0.807	0.891
P 7	-825.451	-1572.824	8.34 6 # 11	3.12 2 # 11	24.00	0.058 #5@10.74	24.00	0.058 #5@10.74	72.00	0.18	0.821	1.141
C 2	-1706.535	-2743.075	13.65 9 # 11	3.12 2 # 11	24.00	0.062 #5@ 9.95	24.00	0.055 #5@11.27	72.00	0.33	0.871	1.172
P 9	-1434.314	-1847.752	9.12 6 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	24.00	0.055 #5@11.27	72.00	0.20	0.584	1.340
P10	-23.151	-23.151	3.12 2 # 11	3.12 2 # 11	24.00	0.055 #5@11.27	0.00	0.000 #5@ 0.00	57.67	0.09	0.000	0.090

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

COLUMN ANALYSIS AND DESIGN OUTPUT

CN	T B	CRITICAL COLUMN LOADS										PU	MTU	MLU	PU/PM	B	D		
		GR	LLC	WC	R	E S	C F	S F	PF	MTF	MLF							PM	MTM
1	T	1	LL 3	0.0		C		1798.0	361.3	0.0	1798.0	589.1	791.8	8347.4	2738.1	3680.4	4.644	72.00	72.00
1	B	3	LL 3	5.1		C		1842.8	623.3	-2053.5	1842.8	673.5	2868.8	4873.7	1782.6	7593.1	2.646	72.00	72.00
2	T	3	LL12	1.1		C		1230.8	1288.5	-232.4	1230.8	1384.3	476.3	6005.8	6779.2	2332.7	4.890	72.00	72.00
2	B	3	LL 6	5.1	R			1782.4	-136.1	2053.5	1782.4	583.4	2829.3	4822.4	1579.4	7659.3	2.707	72.00	72.00

CN	T B	COLUMN DESIGN DATA										DEL.T	DEL.L	CM	R	PHIC
		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					
1	T	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.000	3315.	39303.	1.092	1.468	1.000	1	0.75
1	B	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.000	3026.	40638.	1.080	1.397	1.000	1	0.75
2	T	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.123	2914.	42097.	1.074	1.290	1.000	1	0.75
2	B	27 # 11	0 # 0	0 # 0	0 # 0	42.12	1.035	1.00	0.000	3026.	36243.	1.091	1.378	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
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DS-44-6-119-50.OUT																	
1	3	LL	3	4.1	C	1386.381	594.640	21.206-1472.873	-23.866	17.841	1.831	8.655	24.665	51.532	0.000	17.866	MAX.P1
1	3	LL	3	4.1	C	1802.295	773.032	27.568-1914.735	-31.026	23.194	2.380	11.251	32.064	66.991	0.000	23.226	MAX.MT
1	3	LL	3	5.1	C	1784.968	613.149	21.473-2053.512	-33.312	24.715	2.392	9.416	31.738	63.873	0.000	23.003	MAX.VT
1	3	LL	3	4.1	C	1802.295	773.032	27.568-1914.735	-31.026	23.194	2.380	11.251	32.064	66.991	0.000	23.226	MAX.VP
1	3	LL	3	5.1	C	1784.968	613.149	21.473-2053.512	-33.312	24.715	2.392	9.416	31.738	85.331	0.000	23.003	MAX.ML
1	3	LL	3	5.1	C	1784.968	613.149	21.473-2053.512	-33.312	24.715	2.392	9.416	31.738	85.331	0.000	23.003	MAX.VL
2	2			5.1		1068.546	352.547	15.126-1763.590	-32.020	17.938	-1.370	2.782	22.090	38.087	0.000	13.781	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	3.000	0.987	0.63	22 # 5 @	5.625	TOP TRAN	91.753	38.545	77.089	31.938	0.000
				0.79	19 # 6 @	6.625	BOT.LONG	114.494	39.374	78.749	32.625	0.000

FOOTING 2 DESIGN SAME AS FOOTING 1