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LIVE LOAD CASE PROGRAM

PROB. NO. 0001

I75/I575 NW CORRIDOR - BR NO.5 LT BENT 4

BRIDGE WIDTH	X1	X2	CENTER LINE DISTANCE	# OF BEAMS	REACTION FORCE	MAXIMUM # OF TRUCKS	# OF COLUMNS	COLUMN WIDTH	SKEW ANGLE
25.000	3.625	0.000	0.000	4	39.978	2	0	0.000	0

D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20
2.500	5.875	5.875	5.500																

1

LIVE LOAD CASE # 1 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.8085	32.323
2	0.9787	39.127
3	0.2128	8.506
4	0.0000	0.000

LIVE LOAD CASE # 2 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.8085	32.323
2	1.0851	43.380
3	1.1291	45.140
4	0.9773	39.069

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LIVE LOAD CASE # 3 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.1364	5.452
4	1.8636	74.504

LIVE LOAD CASE # 4 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.8936	35.725
3	1.1064	44.231
4	2.0000	79.956

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LIVE LOAD CASE # 5 1 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		0.5106	20.414
2		0.9787	39.127
3		0.5106	20.414
4		0.0000	0.000

LIVE LOAD CASE # 6 2 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		0.5106	20.414
2		0.9787	39.127
3		1.3061	52.215
4		1.2045	48.155

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LIVE LOAD CASE # 7 2 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		1.0638	42.530
2		0.9362	37.426
3		0.0000	0.000
4		0.0000	0.000

LIVE LOAD CASE # 8 2 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		0.8085	32.323
2		0.9787	39.127
3		0.3491	13.958
4		1.8636	74.504

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04-NOV-09

GEORGIA DEPARTMENT OF TRANSPORTATION

17:47:53

SUMMARY OF THE LIVE LOAD CASE PROGRAM

PROB. NO. 0001

I75/I575 NW CORRIDOR - BR NO.5 LT BENT 4

BRIDGE WIDTH	X1	X2	CENTER LINE DISTANCE	# OF BEAMS	REACTION FORCE	MAXIMUM # OF TRUCKS	# OF COLUMNS	COLUMN WIDTH	SKEW ANGLE	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	D14	D15	D16	D17	D18	D19	D20
25.000	3.625	0.000	0.000	4	39.978	2	0	0.000	0	2.500	5.875	5.875	5.500																

LLC-BR5LT-BT4.OUT

LL CASE	4	2	0.000	35.725	44.231	79.956	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	5	1	20.414	39.127	20.414	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	6	2	20.414	39.127	52.215	48.155	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	7	2	42.530	37.426	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	8	2	32.323	39.127	13.958	74.504	0.000	0.000	0.000	0.000	0.000	0.000

FOR PIER PROGRAM INPUT

61LL	1	1	32322	39127	8505	0
61LL	2	2	32322	43380	45139	39069
61LL	3	1	0	0	5451	74504
61LL	4	2	0	35725	44230	79956
61LL	5	1	20414	39127	20414	0
61LL	6	2	20414	39127	52214	48155
61LL	7	2	42529	37426	0	0
61LL	8	2	32322	39127	13957	74504