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LIVE LOAD CASE PROGRAM

PROB. NO. 0001

I75/I575 NW CORRIDOR - BR NO.5 LT BENT 3

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	48.718	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	5.354	5.354	5.500																

1

LIVE LOAD CASE # 1 1 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.7899	38.481
2	0.8793	42.840
3	0.3308	16.115
4	0.0000	0.000

LIVE LOAD CASE # 2 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.7899	38.481
2	0.8793	42.840
3	1.2550	61.139
4	1.0758	52.412

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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	0.0000	0.000
4	1.9536	95.175

LIVE LOAD CASE # 4 2 TRUCKS

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BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.7860	38.290
3	0.8882	43.273
4	2.2794	111.048

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LIVE LOAD CASE # 5 1 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		0.5603	27.298
2		0.8793	42.840
3		0.5603	27.298
4		0.0000	0.000

LIVE LOAD CASE # 6 2 TRUCKS

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I      I      I      I
I      I      I      I
I      I      I      I
    
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BEAM	WHEEL	FRACTION	P-LOAD
1		0.5603	27.298
2		0.8793	42.840
3		1.2611	61.436
4		1.2993	63.298

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LIVE LOAD CASE # 7 2 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		1.0000	48.718
2		0.9727	47.389
3		0.0273	1.329
4		0.0000	0.000

LIVE LOAD CASE # 8 2 TRUCKS

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BEAM	WHEEL	FRACTION	P-LOAD
1		0.7899	38.481
2		0.8793	42.840
3		0.3308	16.115
4		1.0000	48.718

1

04-NOV-09

GEORGIA DEPARTMENT OF TRANSPORTATION

17:47:38

SUMMARY OF THE LIVE LOAD CASE PROGRAM

PROB. NO. 0001

I75/I575 NW CORRIDOR - BR NO.5 LT BENT 3

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	48.718	2	0	0.000	0	2.500	5.354	5.354	5.500																

LLC-BR5LT-BT3.OUT

LL CASE	4	2	0.000	38.290	43.273	111.048	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	5	1	27.298	42.840	27.298	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	6	2	27.298	42.840	61.436	63.298	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	7	2	48.718	47.389	1.329	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	8	2	38.481	42.840	16.115	48.718	0.000	0.000	0.000	0.000	0.000	0.000

FOR PIER PROGRAM INPUT

61LL	1	1	38481	42839	16114	0
61LL	2	2	38481	42839	61139	52411
61LL	3	1	0	0	0	95175
61LL	4	2	0	38290	43272	111048
61LL	5	1	27298	42839	27298	0
61LL	6	2	27298	42839	61436	63297
61LL	7	2	48718	47389	1328	0
61LL	8	2	38481	42839	16114	48718