

0

LIVE LOAD CASE PROGRAM

PROB. NO. 0001

I75/I575 NW CORRIDOR - BR NO.5 LT BENT 2

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	40.574	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	4.646	4.646	5.500																

1

LIVE LOAD CASE # 1 1 TRUCKS

```

* *
* *
* *
*** **
* *

```

```

-----
I I I I
I I I I
I I I I
I I I I
I I I I

```

BEAM	WHEEL FRACTION	P-LOAD
1	0.7579	30.749
2	0.7086	28.749
3	0.5336	21.649
4	0.0000	0.000

LIVE LOAD CASE # 2 2 TRUCKS

```

* * * *
* * * *
* * * *
*** ** **
* * * *

```

```

-----
I I I I
I I I I
I I I I
I I I I
I I I I

```

BEAM	WHEEL FRACTION	P-LOAD
1	0.7579	30.749
2	0.7086	28.749
3	1.2003	48.701
4	1.3333	54.096

1

LIVE LOAD CASE # 3 1 TRUCKS

```

* *
* *
* *
*** **
* *

```

```

-----
I I I I
I I I I
I I I I
I I I I
I I I I

```

BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.0000	0.000
3	0.0000	0.000
4	1.7784	72.157

LIVE LOAD CASE # 4 2 TRUCKS

```

* * * *
* * * *
* * * *
*** ** **
* * * *

```

```

-----
I I I I
I I I I
I I I I
I I I I
I I I I

```

BEAM	WHEEL FRACTION	P-LOAD
1	0.0000	0.000
2	0.6009	24.383
3	0.8158	33.099
4	2.3617	95.823

1

LIVE LOAD CASE # 5 1 TRUCKS

LLC-BR5LT-BT2.OUT

LL CASE	4	2	0.000	24.383	33.099	95.823	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	5	1	26.199	28.749	26.199	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	6	2	26.199	28.749	49.408	57.940	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	7	2	40.574	33.116	7.458	0.000	0.000	0.000	0.000	0.000	0.000	0.000
LL CASE	8	2	30.749	28.749	21.649	40.574	0.000	0.000	0.000	0.000	0.000	0.000

FOR PIER PROGRAM INPUT

61LL	1	1	30749	28749	21649	0
61LL	2	2	30749	28749	48701	54096
61LL	3	1	0	0	0	72157
61LL	4	2	0	24382	33099	95823
61LL	5	1	26199	28749	26199	0
61LL	6	2	26199	28749	49407	57939
61LL	7	2	40574	33115	7458	0
61LL	8	2	30749	28749	21649	40574