

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 960 | 9.3 | 55 | 3.59 | SB | Approach | 757 | 10.3 | 55 | 3.44 | |
| | | Depart | 1,199 | 24.1 | N/A | 2.08 | | Depart | 922 | 25.6 | N/A | 1.95 | |
| | | Left Turn | 299 | 1.7 | 80 | 4.28 | | Left Turn | 70 | 5.3 | 80 | 4.23 | |
| | EB | Approach | 1,266 | 5.4 | 55 | 4.21 | WB | Approach | 1,105 | 7.6 | 55 | 3.86 | |
| | | Depart | 1,113 | 21.7 | N/A | 2.38 | | Depart | 1,620 | 9.3 | N/A | 3.59 | |
| | | Left Turn | 279 | 1.7 | 80 | 4.28 | | Left Turn | 118 | 5.1 | 80 | 4.26 | |
| | NBX | Approach | 1,259 | 31 | N/A | 1.74 | SBX | Approach | 827 | 31 | N/A | 1.74 | |
| | | Depart | 1,199 | 31 | N/A | 1.74 | | Depart | 922 | 31 | N/A | 1.74 | |
| | EBX | Approach | 1,545 | 28 | N/A | 1.85 | WBX | Approach | 1,223 | 28 | N/A | 1.85 | |
| | | Depart | 1,113 | 28 | N/A | 1.85 | | Depart | 1,620 | 28 | N/A | 1.85 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 1,749 | 4.8 | 40 | 4.28 | SB | Approach | 486 | 13.1 | 40 | 3.01 |
| | | | Depart | 1,537 | 21 | N/A | 2.47 | | Depart | 1,083 | 24.1 | N/A | 2.08 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 46 | 5.1 | 80 | 4.26 | |
| EB | | Approach | 598 | 0.7 | 70 | 4.28 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 288 | 22.3 | N/A | 2.31 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 29 | 5.3 | 80 | 4.23 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 1,749 | 28 | N/A | 1.85 | SBX | Approach | 532 | 28 | N/A | 1.85 | |
| | | Depart | 1,537 | 28 | N/A | 1.85 | | Depart | 1,083 | 28 | N/A | 1.85 | |
| EBX | | Approach | 627 | 31 | N/A | 1.74 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 288 | 31 | N/A | 1.74 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | -- | SB | Approach | 24 | 7.4 | 70 | 3.90 |
| | | | Depart | 440 | 20 | N/A | 2.59 | | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | Left Turn | | 317 | 0.5 | 80 | 4.28 | |
| | EB | Approach | 123 | 14.6 | 40 | 2.79 | WB | Approach | 319 | 9.6 | 40 | 3.55 | |
| | | Depart | 440 | 29.1 | N/A | 1.81 | | Depart | 120 | 29.6 | N/A | 1.79 | |
| | | Left Turn | 217 | 1.7 | 80 | 4.28 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 341 | 28 | N/A | 1.85 | |
| | | Depart | 440 | 28 | N/A | 1.85 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 340 | 31 | N/A | 1.74 | WBX | Approach | 319 | 31 | N/A | 1.74 | |
| | | Depart | 440 | 31 | N/A | 1.74 | | Depart | 120 | 31 | N/A | 1.74 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,223 | 9.2 | 40 | 3.61 | SB | Approach | 635 | 12.4 | 40 | 3.12 |
| | | | Depart | 1,088 | 24.1 | N/A | 2.08 | | Depart | 920 | 24.8 | N/A | 2.00 |
| Left Turn | | | 97 | 5.1 | 80 | 4.26 | Left Turn | | 22 | 5.1 | 80 | 4.26 | |
| EB | | Approach | 391 | 4.1 | 70 | 4.28 | WB | Approach | 49 | 7.4 | 70 | 3.90 | |
| | | Depart | 340 | 16.7 | N/A | 2.68 | | Depart | 306 | 16.7 | N/A | 2.68 | |
| | | Left Turn | 83 | 5.1 | 80 | 4.26 | | Left Turn | 154 | 5.1 | 80 | 4.26 | |
| NBX | | Approach | 1,320 | 28 | N/A | 1.85 | SBX | Approach | 657 | 28 | N/A | 1.85 | |
| | | Depart | 1,088 | 28 | N/A | 1.85 | | Depart | 920 | 28 | N/A | 1.85 | |
| EBX | | Approach | 474 | 28 | N/A | 1.85 | WBX | Approach | 203 | 28 | N/A | 1.85 | |
| | | Depart | 340 | 28 | N/A | 1.85 | | Depart | 306 | 28 | N/A | 1.85 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 245 | 6.6 | 70 | 4.02 | SB | Approach | 0 | -- | -- | -- |
| | | | Depart | 600 | 5.1 | N/A | 4.26 | | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 1,313 | 9.2 | 40 | 3.61 | WB | Approach | 600 | 12.4 | 40 | 3.12 | |
| | | Depart | 1,558 | 21 | N/A | 2.47 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 245 | 31 | N/A | 1.74 | SBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 600 | 31 | N/A | 1.74 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 1,313 | 28 | N/A | 1.85 | WBX | Approach | 600 | 28 | N/A | 1.85 | |
| | | Depart | 1,558 | 28 | N/A | 1.85 | | Depart | 0 | -- | -- | -- | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 372 | 0.2 | 70 | 4.28 | SB | Approach | 241 | 1.7 | 70 | 4.28 |
| | | | Depart | 298 | 22.3 | N/A | 2.31 | | Depart | 876 | 0.9 | N/A | 4.28 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,354 | 7.2 | 40 | 3.93 | WB | Approach | 2,297 | 7.2 | 40 | 3.93 | |
| | | Depart | 1,850 | 23 | N/A | 2.22 | | Depart | 2,240 | 21 | N/A | 2.47 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 372 | 31 | N/A | 1.74 | SBX | Approach | 241 | 31 | N/A | 1.74 | |
| | | Depart | 298 | 31 | N/A | 1.74 | | Depart | 876 | 31 | N/A | 1.74 | |
| EBX | | Approach | 2,354 | 28 | N/A | 1.85 | WBX | Approach | 2,297 | 28 | N/A | 1.85 | |
| | | Depart | 1,850 | 28 | N/A | 1.85 | | Depart | 2,240 | 28 | N/A | 1.85 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-----------------------|
| Run type | 3 | Worst-case wind angle |
| Wind speed | 0.5 | meters/second |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 960 | 9.3 | 55 | 3.59 | SB | Approach | 757 | 10.3 | 55 | 3.44 | |
| | | Depart | 1,199 | 24.1 | N/A | 2.08 | | Depart | 922 | 25.6 | N/A | 1.95 | |
| | | Left Turn | 299 | 1.7 | 80 | 4.28 | | Left Turn | 70 | 5.3 | 80 | 4.23 | |
| | EB | Approach | 1,273 | 5.4 | 55 | 4.21 | WB | Approach | 1,112 | 7.6 | 55 | 3.86 | |
| | | Depart | 1,120 | 21.7 | N/A | 2.38 | | Depart | 1,627 | 9.3 | N/A | 3.59 | |
| | | Left Turn | 279 | 1.7 | 80 | 4.28 | | Left Turn | 118 | 5.1 | 80 | 4.26 | |
| | NBX | Approach | 1,259 | 31 | N/A | 1.74 | SBX | Approach | 827 | 31 | N/A | 1.74 | |
| | | Depart | 1,199 | 31 | N/A | 1.74 | | Depart | 922 | 31 | N/A | 1.74 | |
| | EBX | Approach | 1,552 | 28 | N/A | 1.85 | WBX | Approach | 1,230 | 28 | N/A | 1.85 | |
| | | Depart | 1,120 | 28 | N/A | 1.85 | | Depart | 1,627 | 28 | N/A | 1.85 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 1,856 | 2.7 | 40 | 4.28 | SB | Approach | 505 | 13.1 | 40 | 3.01 |
| | | | Depart | 1,625 | 17.8 | N/A | 2.65 | | Depart | 1,190 | 24.1 | N/A | 2.08 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 46 | 5.1 | 80 | 4.26 | |
| EB | | Approach | 686 | 0.4 | 70 | 4.28 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 307 | 18 | N/A | 2.64 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 29 | 5.3 | 80 | 4.23 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 1,856 | 28 | N/A | 1.85 | SBX | Approach | 551 | 28 | N/A | 1.85 | |
| | | Depart | 1,625 | 28 | N/A | 1.85 | | Depart | 1,190 | 28 | N/A | 1.85 | |
| EBX | | Approach | 715 | 31 | N/A | 1.74 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 307 | 31 | N/A | 1.74 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | SB | Approach | 24 | 7.4 | 70 | 3.90 | |
| | | | Depart | 440 | 20 | N/A | | 2.59 | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | | Left Turn | 317 | 0.5 | 80 | 4.28 | |
| | EB | Approach | 123 | 14.6 | 40 | 2.79 | WB | Approach | 319 | 9.6 | 40 | 3.55 | |
| | | Depart | 440 | 29.1 | N/A | 1.81 | | Depart | 120 | 29.6 | N/A | 1.79 | |
| | | Left Turn | 217 | 1.7 | 80 | 4.28 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 341 | 28 | N/A | 1.85 | |
| | | Depart | 440 | 28 | N/A | 1.85 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 340 | 31 | N/A | 1.74 | WBX | Approach | 319 | 31 | N/A | 1.74 | |
| | | Depart | 440 | 31 | N/A | 1.74 | | Depart | 120 | 31 | N/A | 1.74 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,223 | 9.2 | 40 | 3.61 | SB | Approach | 635 | 12.4 | 40 | 3.12 |
| | | | Depart | 1,088 | 24.1 | N/A | 2.08 | | Depart | 920 | 24.8 | N/A | 2.00 |
| Left Turn | | | 97 | 5.1 | 80 | 4.26 | Left Turn | | 22 | 5.1 | 80 | 4.26 | |
| EB | | Approach | 391 | 4.1 | 70 | 4.28 | WB | Approach | 49 | 7.4 | 70 | 3.90 | |
| | | Depart | 340 | 16.7 | N/A | 2.68 | | Depart | 306 | 16.7 | N/A | 2.68 | |
| | | Left Turn | 83 | 5.1 | 80 | 4.26 | | Left Turn | 154 | 5.1 | 80 | 4.26 | |
| NBX | | Approach | 1,320 | 28 | N/A | 1.85 | SBX | Approach | 657 | 28 | N/A | 1.85 | |
| | | Depart | 1,088 | 28 | N/A | 1.85 | | Depart | 920 | 28 | N/A | 1.85 | |
| EBX | | Approach | 474 | 28 | N/A | 1.85 | WBX | Approach | 203 | 28 | N/A | 1.85 | |
| | | Depart | 340 | 28 | N/A | 1.85 | | Depart | 306 | 28 | N/A | 1.85 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 245 | 6.6 | 70 | 4.02 | SB | Approach | 0 | -- | -- | -- |
| | | | Depart | 600 | 5.1 | N/A | 4.26 | | Depart | 3 | 23.9 | N/A | 2.11 |
| | Left Turn | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 1,313 | 9.2 | 40 | 3.61 | WB | Approach | 600 | 12.4 | 40 | 3.12 | |
| | | Depart | 1,558 | 21 | N/A | 2.47 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 3 | 5.1 | 80 | 4.26 | |
| | NBX | Approach | 245 | 31 | N/A | 1.74 | SBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 600 | 31 | N/A | 1.74 | | Depart | 3 | 31 | N/A | 1.74 | |
| | EBX | Approach | 1,313 | 28 | N/A | 1.85 | WBX | Approach | 603 | 28 | N/A | 1.85 | |
| | | Depart | 1,558 | 28 | N/A | 1.85 | | Depart | 0 | -- | -- | -- | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 372 | 0.2 | 70 | 4.28 | SB | Approach | 241 | 1.7 | 70 | 4.28 |
| | | | Depart | 357 | 18 | N/A | 2.64 | | Depart | 876 | 0.9 | N/A | 4.28 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,357 | 7.2 | 40 | 3.93 | WB | Approach | 2,359 | 7.2 | 40 | 3.93 | |
| | | Depart | 1,853 | 23 | N/A | 2.22 | | Depart | 2,243 | 21 | N/A | 2.47 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 372 | 31 | N/A | 1.74 | SBX | Approach | 241 | 31 | N/A | 1.74 | |
| | | Depart | 357 | 31 | N/A | 1.74 | | Depart | 876 | 31 | N/A | 1.74 | |
| EBX | | Approach | 2,357 | 28 | N/A | 1.85 | WBX | Approach | 2,359 | 28 | N/A | 1.85 | |
| | | Depart | 1,853 | 28 | N/A | 1.85 | | Depart | 2,243 | 28 | N/A | 1.85 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-------------------------------------|
| Run type | 3 | Worst-case wind angle meters/second |
| Wind speed | 0.5 | |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 980 | 9.3 | 55 | 1.68 | SB | Approach | 780 | 10.3 | 55 | 1.58 | |
| | | Depart | 1,210 | 20.4 | N/A | 0.93 | | Depart | 960 | 25.6 | N/A | 0.74 | |
| | | Left Turn | 310 | 0.5 | 80 | 2.16 | | Left Turn | 80 | 5.3 | 80 | 2.12 | |
| | EB | Approach | 1,360 | 5.4 | 55 | 2.11 | WB | Approach | 1,170 | 7.6 | 55 | 1.87 | |
| | | Depart | 1,220 | 18.8 | N/A | 0.97 | | Depart | 1,700 | 9.3 | N/A | 1.68 | |
| | | Left Turn | 280 | 1.7 | 80 | 2.16 | | Left Turn | 130 | 5.1 | 80 | 2.15 | |
| | NBX | Approach | 1,290 | 31 | N/A | 0.67 | SBX | Approach | 860 | 31 | N/A | 0.67 | |
| | | Depart | 1,210 | 31 | N/A | 0.67 | | Depart | 960 | 31 | N/A | 0.67 | |
| | EBX | Approach | 1,640 | 28 | N/A | 0.71 | WBX | Approach | 1,300 | 28 | N/A | 0.71 | |
| | | Depart | 1,220 | 28 | N/A | 0.71 | | Depart | 1,700 | 28 | N/A | 0.71 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 1,910 | 2.7 | 40 | 2.16 | SB | Approach | 542 | 13.1 | 40 | 1.27 |
| | | | Depart | 1,672 | 17.8 | N/A | 0.99 | | Depart | 1,190 | 24.1 | N/A | 0.78 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 50 | 5.1 | 80 | 2.15 | |
| EB | | Approach | 658 | 0.4 | 70 | 2.16 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 328 | 18 | N/A | 0.99 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 30 | 5.3 | 80 | 2.12 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 1,910 | 28 | N/A | 0.71 | SBX | Approach | 592 | 28 | N/A | 0.71 | |
| | | Depart | 1,672 | 28 | N/A | 0.71 | | Depart | 1,190 | 28 | N/A | 0.71 | |
| EBX | | Approach | 688 | 31 | N/A | 0.67 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 328 | 31 | N/A | 0.67 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | SB | Approach | 30 | 7.4 | 70 | 1.89 | |
| | | | Depart | 520 | 20 | N/A | | 0.94 | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | | Left Turn | 256 | 1.7 | 80 | 2.16 | |
| | EB | Approach | 150 | 14.6 | 40 | 1.11 | WB | Approach | 330 | 9.6 | 40 | 1.65 | |
| | | Depart | 406 | 29.1 | N/A | 0.69 | | Depart | 130 | 29.6 | N/A | 0.68 | |
| | | Left Turn | 290 | 1.7 | 80 | 2.16 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 286 | 28 | N/A | 0.71 | |
| | | Depart | 520 | 28 | N/A | 0.71 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 440 | 31 | N/A | 0.67 | WBX | Approach | 330 | 31 | N/A | 0.67 | |
| | | Depart | 406 | 31 | N/A | 0.67 | | Depart | 130 | 31 | N/A | 0.67 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,182 | 10.6 | 40 | 1.54 | SB | Approach | 700 | 12.4 | 40 | 1.35 |
| | | | Depart | 1,042 | 24.1 | N/A | 0.78 | | Depart | 926 | 24.8 | N/A | 0.76 |
| Left Turn | | | 100 | 5.1 | 80 | 2.15 | Left Turn | | 30 | 5.1 | 80 | 2.15 | |
| EB | | Approach | 336 | 4.1 | 70 | 2.16 | WB | Approach | 60 | 7.4 | 70 | 1.89 | |
| | | Depart | 370 | 16.7 | N/A | 1.02 | | Depart | 320 | 16.7 | N/A | 1.02 | |
| | | Left Turn | 90 | 5.1 | 80 | 2.15 | | Left Turn | 160 | 5.1 | 80 | 2.15 | |
| NBX | | Approach | 1,282 | 28 | N/A | 0.71 | SBX | Approach | 730 | 28 | N/A | 0.71 | |
| | | Depart | 1,042 | 28 | N/A | 0.71 | | Depart | 926 | 28 | N/A | 0.71 | |
| EBX | | Approach | 426 | 28 | N/A | 0.71 | WBX | Approach | 220 | 28 | N/A | 0.71 | |
| | | Depart | 370 | 28 | N/A | 0.71 | | Depart | 320 | 28 | N/A | 0.71 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 436 | 1.7 | 70 | 2.16 | SB | Approach | 929 | 0.1 | 70 | 2.16 |
| | | | Depart | 1,064 | 0.9 | N/A | 2.16 | | Depart | 1,284 | 0.9 | N/A | 2.16 |
| | Left Turn | | 184 | 5.3 | 80 | 2.12 | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 0 | -- | -- | -- | WB | Approach | 628 | 11.6 | 40 | 1.43 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 399 | 25.9 | N/A | 0.74 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 570 | 0.1 | 80 | 2.16 | |
| | NBX | Approach | 620 | 31 | N/A | 0.67 | SBX | Approach | 929 | 31 | N/A | 0.67 | |
| | | Depart | 1,064 | 31 | N/A | 0.67 | | Depart | 1,284 | 31 | N/A | 0.67 | |
| | EBX | Approach | 0 | -- | -- | -- | WBX | Approach | 1,198 | 28 | N/A | 0.71 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 399 | 28 | N/A | 0.71 | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 380 | 0.2 | 70 | 2.16 | SB | Approach | 250 | 1.7 | 70 | 2.16 |
| | | | Depart | 300 | 22.3 | N/A | 0.85 | | Depart | 880 | 0.9 | N/A | 2.16 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,590 | 4.8 | 40 | 2.16 | WB | Approach | 2,340 | 7.2 | 40 | 1.91 | |
| | | Depart | 2,090 | 23 | N/A | 0.83 | | Depart | 2,290 | 21 | N/A | 0.90 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 380 | 31 | N/A | 0.67 | SBX | Approach | 250 | 31 | N/A | 0.67 | |
| | | Depart | 300 | 31 | N/A | 0.67 | | Depart | 880 | 31 | N/A | 0.67 | |
| EBX | | Approach | 2,590 | 28 | N/A | 0.71 | WBX | Approach | 2,340 | 28 | N/A | 0.71 | |
| | | Depart | 2,090 | 28 | N/A | 0.71 | | Depart | 2,290 | 28 | N/A | 0.71 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-------------------------------------|
| Run type | 3 | Worst-case wind angle meters/second |
| Wind speed | 0.5 | |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 980 | 9.3 | 55 | 1.68 | SB | Approach | 780 | 10.3 | 55 | 1.58 | |
| | | Depart | 1,210 | 20.4 | N/A | 0.93 | | Depart | 960 | 25.6 | N/A | 0.74 | |
| | | Left Turn | 310 | 0.5 | 80 | 2.16 | | Left Turn | 80 | 5.3 | 80 | 2.12 | |
| | EB | Approach | 1,367 | 5.4 | 55 | 2.11 | WB | Approach | 1,177 | 7.6 | 55 | 1.87 | |
| | | Depart | 1,227 | 18.8 | N/A | 0.97 | | Depart | 1,707 | 9.3 | N/A | 1.68 | |
| | | Left Turn | 280 | 1.7 | 80 | 2.16 | | Left Turn | 130 | 5.1 | 80 | 2.15 | |
| | NBX | Approach | 1,290 | 31 | N/A | 0.67 | SBX | Approach | 860 | 31 | N/A | 0.67 | |
| | | Depart | 1,210 | 31 | N/A | 0.67 | | Depart | 960 | 31 | N/A | 0.67 | |
| | EBX | Approach | 1,647 | 28 | N/A | 0.71 | WBX | Approach | 1,307 | 28 | N/A | 0.71 | |
| | | Depart | 1,227 | 28 | N/A | 0.71 | | Depart | 1,707 | 28 | N/A | 0.71 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 2,017 | 2.7 | 40 | 2.16 | SB | Approach | 561 | 13.1 | 40 | 1.27 |
| | | | Depart | 1,760 | 17.8 | N/A | 0.99 | | Depart | 1,297 | 23 | N/A | 0.83 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 50 | 5.1 | 80 | 2.15 | |
| EB | | Approach | 746 | 0.2 | 70 | 2.16 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 347 | 18 | N/A | 0.99 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 30 | 5.3 | 80 | 2.12 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 2,017 | 28 | N/A | 0.71 | SBX | Approach | 611 | 28 | N/A | 0.71 | |
| | | Depart | 1,760 | 28 | N/A | 0.71 | | Depart | 1,297 | 28 | N/A | 0.71 | |
| EBX | | Approach | 776 | 31 | N/A | 0.67 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 347 | 31 | N/A | 0.67 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | -- | SB | Approach | 30 | 7.4 | 70 | 1.89 |
| | | | Depart | 520 | 20 | N/A | 0.94 | | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | Left Turn | | 256 | 1.7 | 80 | 2.16 | |
| | EB | Approach | 150 | 14.6 | 40 | 1.11 | WB | Approach | 330 | 9.6 | 40 | 1.65 | |
| | | Depart | 406 | 29.1 | N/A | 0.69 | | Depart | 130 | 29.6 | N/A | 0.68 | |
| | | Left Turn | 290 | 1.7 | 80 | 2.16 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 286 | 28 | N/A | 0.71 | |
| | | Depart | 520 | 28 | N/A | 0.71 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 440 | 31 | N/A | 0.67 | WBX | Approach | 330 | 31 | N/A | 0.67 | |
| | | Depart | 406 | 31 | N/A | 0.67 | | Depart | 130 | 31 | N/A | 0.67 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,182 | 10.6 | 40 | 1.54 | SB | Approach | 700 | 12.4 | 40 | 1.35 |
| | | | Depart | 1,042 | 24.1 | N/A | 0.78 | | Depart | 926 | 24.8 | N/A | 0.76 |
| Left Turn | | | 100 | 5.1 | 80 | 2.15 | Left Turn | | 30 | 5.1 | 80 | 2.15 | |
| EB | | Approach | 336 | 4.1 | 70 | 2.16 | WB | Approach | 60 | 7.4 | 70 | 1.89 | |
| | | Depart | 370 | 16.7 | N/A | 1.02 | | Depart | 320 | 16.7 | N/A | 1.02 | |
| | | Left Turn | 90 | 5.1 | 80 | 2.15 | | Left Turn | 160 | 5.1 | 80 | 2.15 | |
| NBX | | Approach | 1,282 | 28 | N/A | 0.71 | SBX | Approach | 730 | 28 | N/A | 0.71 | |
| | | Depart | 1,042 | 28 | N/A | 0.71 | | Depart | 926 | 28 | N/A | 0.71 | |
| EBX | | Approach | 426 | 28 | N/A | 0.71 | WBX | Approach | 220 | 28 | N/A | 0.71 | |
| | | Depart | 370 | 28 | N/A | 0.71 | | Depart | 320 | 28 | N/A | 0.71 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 436 | 1.7 | 70 | 2.16 | SB | Approach | 929 | 0.1 | 70 | 2.16 |
| | | | Depart | 1,064 | 0.9 | N/A | 2.16 | | Depart | 1,287 | 0.9 | N/A | 2.16 |
| | Left Turn | | 184 | 5.3 | 80 | 2.12 | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 0 | -- | -- | -- | WB | Approach | 628 | 11.6 | 40 | 1.43 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 399 | 25.9 | N/A | 0.74 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 573 | 0.1 | 80 | 2.16 | |
| | NBX | Approach | 620 | 31 | N/A | 0.67 | SBX | Approach | 929 | 31 | N/A | 0.67 | |
| | | Depart | 1,064 | 31 | N/A | 0.67 | | Depart | 1,287 | 31 | N/A | 0.67 | |
| | EBX | Approach | 0 | -- | -- | -- | WBX | Approach | 1,201 | 28 | N/A | 0.71 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 399 | 28 | N/A | 0.71 | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 380 | 0.2 | 70 | 2.16 | SB | Approach | 250 | 1.7 | 70 | 2.16 |
| | | | Depart | 359 | 18 | N/A | 0.99 | | Depart | 880 | 0.9 | N/A | 2.16 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,593 | 4.8 | 40 | 2.16 | WB | Approach | 2,402 | 4.8 | 40 | 2.16 | |
| | | Depart | 2,093 | 23 | N/A | 0.83 | | Depart | 2,293 | 21 | N/A | 0.90 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 380 | 31 | N/A | 0.67 | SBX | Approach | 250 | 31 | N/A | 0.67 | |
| | | Depart | 359 | 31 | N/A | 0.67 | | Depart | 880 | 31 | N/A | 0.67 | |
| EBX | | Approach | 2,593 | 28 | N/A | 0.71 | WBX | Approach | 2,402 | 28 | N/A | 0.71 | |
| | | Depart | 2,093 | 28 | N/A | 0.71 | | Depart | 2,293 | 28 | N/A | 0.71 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-----------------------|
| Run type | 3 | Worst-case wind angle |
| Wind speed | 0.5 | meters/second |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 1,000 | 9.3 | 55 | 1.52 | SB | Approach | 810 | 9.3 | 55 | 1.52 | |
| | | Depart | 1,210 | 20.4 | N/A | 0.69 | | Depart | 990 | 25.6 | N/A | 0.55 | |
| | | Left Turn | 320 | 0.5 | 80 | 1.89 | | Left Turn | 90 | 5.3 | 80 | 1.87 | |
| | EB | Approach | 1,430 | 3 | 55 | 1.89 | WB | Approach | 1,210 | 5.4 | 55 | 1.86 | |
| | | Depart | 1,320 | 18.8 | N/A | 0.73 | | Depart | 1,760 | 9.3 | N/A | 1.52 | |
| | | Left Turn | 280 | 1.7 | 80 | 1.89 | | Left Turn | 140 | 5.1 | 80 | 1.89 | |
| | NBX | Approach | 1,320 | 31 | N/A | 0.50 | SBX | Approach | 900 | 31 | N/A | 0.50 | |
| | | Depart | 1,210 | 31 | N/A | 0.50 | | Depart | 990 | 31 | N/A | 0.50 | |
| | EBX | Approach | 1,710 | 28 | N/A | 0.53 | WBX | Approach | 1,350 | 28 | N/A | 0.53 | |
| | | Depart | 1,320 | 28 | N/A | 0.53 | | Depart | 1,760 | 28 | N/A | 0.53 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 2,000 | 2.7 | 40 | 1.89 | SB | Approach | 568 | 13.1 | 40 | 1.08 |
| | | | Depart | 1,740 | 17.8 | N/A | 0.76 | | Depart | 1,210 | 23 | N/A | 0.62 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 60 | 5.1 | 80 | 1.89 | |
| EB | | Approach | 652 | 0.4 | 70 | 1.89 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 360 | 18 | N/A | 0.76 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 30 | 5.3 | 80 | 1.87 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 2,000 | 28 | N/A | 0.53 | SBX | Approach | 628 | 28 | N/A | 0.53 | |
| | | Depart | 1,740 | 28 | N/A | 0.53 | | Depart | 1,210 | 28 | N/A | 0.53 | |
| EBX | | Approach | 682 | 31 | N/A | 0.50 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 360 | 31 | N/A | 0.50 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | SB | Approach | 30 | 7.4 | 70 | 1.69 | |
| | | | Depart | 580 | 20 | N/A | | 0.70 | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | | Left Turn | 256 | 1.7 | 80 | 1.89 | |
| | EB | Approach | 160 | 14.6 | 40 | 0.89 | WB | Approach | 330 | 9.6 | 40 | 1.50 | |
| | | Depart | 416 | 29.1 | N/A | 0.52 | | Depart | 130 | 29.6 | N/A | 0.51 | |
| | | Left Turn | 350 | 0.5 | 80 | 1.89 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 286 | 28 | N/A | 0.53 | |
| | | Depart | 580 | 28 | N/A | 0.53 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 510 | 31 | N/A | 0.50 | WBX | Approach | 330 | 31 | N/A | 0.50 | |
| | | Depart | 416 | 31 | N/A | 0.50 | | Depart | 130 | 31 | N/A | 0.50 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,244 | 9.2 | 40 | 1.53 | SB | Approach | 760 | 12.4 | 40 | 1.16 |
| | | | Depart | 1,094 | 24.1 | N/A | 0.59 | | Depart | 986 | 24.8 | N/A | 0.57 |
| Left Turn | | | 100 | 5.1 | 80 | 1.89 | Left Turn | | 30 | 5.1 | 80 | 1.89 | |
| EB | | Approach | 336 | 4.1 | 70 | 1.89 | WB | Approach | 60 | 7.4 | 70 | 1.69 | |
| | | Depart | 380 | 16.7 | N/A | 0.79 | | Depart | 320 | 16.7 | N/A | 0.79 | |
| | | Left Turn | 90 | 5.1 | 80 | 1.89 | | Left Turn | 160 | 5.1 | 80 | 1.89 | |
| NBX | | Approach | 1,344 | 28 | N/A | 0.53 | SBX | Approach | 790 | 28 | N/A | 0.53 | |
| | | Depart | 1,094 | 28 | N/A | 0.53 | | Depart | 986 | 28 | N/A | 0.53 | |
| EBX | | Approach | 426 | 28 | N/A | 0.53 | WBX | Approach | 220 | 28 | N/A | 0.53 | |
| | | Depart | 380 | 28 | N/A | 0.53 | | Depart | 320 | 28 | N/A | 0.53 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 437 | 1.7 | 70 | 1.89 | SB | Approach | 858 | 0.1 | 70 | 1.89 |
| | | | Depart | 1,078 | 0.9 | N/A | 1.89 | | Depart | 1,279 | 0.9 | N/A | 1.89 |
| | Left Turn | | 183 | 5.3 | 80 | 1.87 | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 0 | -- | -- | -- | WB | Approach | 641 | 11.6 | 40 | 1.26 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 337 | 25.9 | N/A | 0.55 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 575 | 0.1 | 80 | 1.89 | |
| | NBX | Approach | 620 | 31 | N/A | 0.50 | SBX | Approach | 858 | 31 | N/A | 0.50 | |
| | | Depart | 1,078 | 31 | N/A | 0.50 | | Depart | 1,279 | 31 | N/A | 0.50 | |
| | EBX | Approach | 0 | -- | -- | -- | WBX | Approach | 1,216 | 28 | N/A | 0.53 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 337 | 28 | N/A | 0.53 | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 380 | 0.2 | 70 | 1.89 | SB | Approach | 250 | 1.7 | 70 | 1.89 |
| | | | Depart | 300 | 22.3 | N/A | 0.64 | | Depart | 880 | 0.9 | N/A | 1.89 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,570 | 4.8 | 40 | 1.89 | WB | Approach | 2,300 | 7.2 | 40 | 1.70 | |
| | | Depart | 2,070 | 23 | N/A | 0.62 | | Depart | 2,250 | 21 | N/A | 0.67 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 380 | 31 | N/A | 0.50 | SBX | Approach | 250 | 31 | N/A | 0.50 | |
| | | Depart | 300 | 31 | N/A | 0.50 | | Depart | 880 | 31 | N/A | 0.50 | |
| EBX | | Approach | 2,570 | 28 | N/A | 0.53 | WBX | Approach | 2,300 | 28 | N/A | 0.53 | |
| | | Depart | 2,070 | 28 | N/A | 0.53 | | Depart | 2,250 | 28 | N/A | 0.53 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-------------------------------------|
| Run type | 3 | Worst-case wind angle meters/second |
| Wind speed | 0.5 | |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

| INTERSECTING STREETS | | | VPH | MPH | %RT | EF | | | VPH | MPH | %RT | EF | |
|--|-------------------------------------|-----------|----------|-------|------|------|-----------|-----------|----------|-------|------|------|------|
| Laurel Canyon & Sherman Way | NB | Approach | 1,000 | 9.3 | 55 | 1.52 | SB | Approach | 810 | 9.3 | 55 | 1.52 | |
| | | Depart | 1,210 | 20.4 | N/A | 0.69 | | Depart | 990 | 25.6 | N/A | 0.55 | |
| | | Left Turn | 320 | 0.5 | 80 | 1.89 | | Left Turn | 90 | 5.3 | 80 | 1.87 | |
| | EB | Approach | 1,446 | 3 | 55 | 1.89 | WB | Approach | 1,226 | 5.4 | 55 | 1.86 | |
| | | Depart | 1,336 | 18.8 | N/A | 0.73 | | Depart | 1,776 | 9.3 | N/A | 1.52 | |
| | | Left Turn | 280 | 1.7 | 80 | 1.89 | | Left Turn | 140 | 5.1 | 80 | 1.89 | |
| | NBX | Approach | 1,320 | 31 | N/A | 0.50 | SBX | Approach | 900 | 31 | N/A | 0.50 | |
| | | Depart | 1,210 | 31 | N/A | 0.50 | | Depart | 990 | 31 | N/A | 0.50 | |
| | EBX | Approach | 1,726 | 28 | N/A | 0.53 | WBX | Approach | 1,366 | 28 | N/A | 0.53 | |
| | | Depart | 1,336 | 28 | N/A | 0.53 | | Depart | 1,776 | 28 | N/A | 0.53 | |
| | Hollywood Way & I-5 SB Ramps | NB | Approach | 2,222 | 2.7 | 40 | 1.89 | SB | Approach | 607 | 12.4 | 40 | 1.16 |
| | | | Depart | 1,923 | 13.2 | N/A | 1.06 | | Depart | 1,432 | 21 | N/A | 0.67 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 60 | 5.1 | 80 | 1.89 | |
| EB | | Approach | 835 | 0.1 | 70 | 1.89 | WB | Approach | 0 | -- | -- | -- | |
| | | Depart | 399 | 18 | N/A | 0.76 | | Depart | 0 | -- | -- | -- | |
| | | Left Turn | 30 | 5.3 | 80 | 1.87 | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 2,222 | 28 | N/A | 0.53 | SBX | Approach | 667 | 28 | N/A | 0.53 | |
| | | Depart | 1,923 | 28 | N/A | 0.53 | | Depart | 1,432 | 28 | N/A | 0.53 | |
| EBX | | Approach | 865 | 31 | N/A | 0.50 | WBX | Approach | 0 | -- | -- | -- | |
| | | Depart | 399 | 31 | N/A | 0.50 | | Depart | 0 | -- | -- | -- | |
| San Fernando Road Minor & I-5 SB Ramps | | NB | Approach | 0 | -- | -- | SB | Approach | 30 | 7.4 | 70 | 1.69 | |
| | | | Depart | 580 | 20 | N/A | | 0.70 | Depart | 0 | -- | -- | -- |
| | Left Turn | | 0 | -- | -- | -- | | Left Turn | 256 | 1.7 | 80 | 1.89 | |
| | EB | Approach | 160 | 14.6 | 40 | 0.89 | WB | Approach | 330 | 9.6 | 40 | 1.50 | |
| | | Depart | 416 | 29.1 | N/A | 0.52 | | Depart | 130 | 29.6 | N/A | 0.51 | |
| | | Left Turn | 350 | 0.5 | 80 | 1.89 | | Left Turn | 0 | -- | -- | -- | |
| | NBX | Approach | 0 | -- | -- | -- | SBX | Approach | 286 | 28 | N/A | 0.53 | |
| | | Depart | 580 | 28 | N/A | 0.53 | | Depart | 0 | -- | -- | -- | |
| | EBX | Approach | 510 | 31 | N/A | 0.50 | WBX | Approach | 330 | 31 | N/A | 0.50 | |
| | | Depart | 416 | 31 | N/A | 0.50 | | Depart | 130 | 31 | N/A | 0.50 | |
| | Buena Vista Street & Winona Avenue | NB | Approach | 1,244 | 9.2 | 40 | 1.53 | SB | Approach | 760 | 12.4 | 40 | 1.16 |
| | | | Depart | 1,094 | 24.1 | N/A | 0.59 | | Depart | 986 | 24.8 | N/A | 0.57 |
| Left Turn | | | 100 | 5.1 | 80 | 1.89 | Left Turn | | 30 | 5.1 | 80 | 1.89 | |
| EB | | Approach | 336 | 4.1 | 70 | 1.89 | WB | Approach | 60 | 7.4 | 70 | 1.69 | |
| | | Depart | 380 | 16.7 | N/A | 0.79 | | Depart | 320 | 16.7 | N/A | 0.79 | |
| | | Left Turn | 90 | 5.1 | 80 | 1.89 | | Left Turn | 160 | 5.1 | 80 | 1.89 | |
| NBX | | Approach | 1,344 | 28 | N/A | 0.53 | SBX | Approach | 790 | 28 | N/A | 0.53 | |
| | | Depart | 1,094 | 28 | N/A | 0.53 | | Depart | 986 | 28 | N/A | 0.53 | |
| EBX | | Approach | 426 | 28 | N/A | 0.53 | WBX | Approach | 220 | 28 | N/A | 0.53 | |
| | | Depart | 380 | 28 | N/A | 0.53 | | Depart | 320 | 28 | N/A | 0.53 | |
| I-5 NB Ramps & San Fernando Road | | NB | Approach | 437 | 1.7 | 70 | 1.89 | SB | Approach | 858 | 0.1 | 70 | 1.89 |
| | | | Depart | 1,078 | 0.9 | N/A | 1.89 | | Depart | 1,286 | 0.9 | N/A | 1.89 |
| | Left Turn | | 183 | 5.3 | 80 | 1.87 | Left Turn | | 0 | -- | -- | -- | |
| | EB | Approach | 0 | -- | -- | -- | WB | Approach | 641 | 11.6 | 40 | 1.26 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 337 | 25.9 | N/A | 0.55 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 582 | 0.1 | 80 | 1.89 | |
| | NBX | Approach | 620 | 31 | N/A | 0.50 | SBX | Approach | 858 | 31 | N/A | 0.50 | |
| | | Depart | 1,078 | 31 | N/A | 0.50 | | Depart | 1,286 | 31 | N/A | 0.50 | |
| | EBX | Approach | 0 | -- | -- | -- | WBX | Approach | 1,223 | 28 | N/A | 0.53 | |
| | | Depart | 0 | -- | -- | -- | | Depart | 337 | 28 | N/A | 0.53 | |
| | CA-170 SB Ramps & Victory Boulevard | NB | Approach | 380 | 0.2 | 70 | 1.89 | SB | Approach | 250 | 1.7 | 70 | 1.89 |
| | | | Depart | 424 | 10.1 | N/A | 1.45 | | Depart | 880 | 0.9 | N/A | 1.89 |
| Left Turn | | | 0 | -- | -- | -- | Left Turn | | 0 | -- | -- | -- | |
| EB | | Approach | 2,576 | 4.8 | 40 | 1.89 | WB | Approach | 2,430 | 4.8 | 40 | 1.89 | |
| | | Depart | 2,076 | 23 | N/A | 0.62 | | Depart | 2,256 | 21 | N/A | 0.67 | |
| | | Left Turn | 0 | -- | -- | -- | | Left Turn | 0 | -- | -- | -- | |
| NBX | | Approach | 380 | 31 | N/A | 0.50 | SBX | Approach | 250 | 31 | N/A | 0.50 | |
| | | Depart | 424 | 31 | N/A | 0.50 | | Depart | 880 | 31 | N/A | 0.50 | |
| EBX | | Approach | 2,576 | 28 | N/A | 0.53 | WBX | Approach | 2,430 | 28 | N/A | 0.53 | |
| | | Depart | 2,076 | 28 | N/A | 0.53 | | Depart | 2,256 | 28 | N/A | 0.53 | |

| Model Run Parameters | | |
|-----------------------------------|---------|-------------------------------------|
| Run type | 3 | Worst-case wind angle meters/second |
| Wind speed | 0.5 | |
| Atmospheric Stability Class | 7 | equals "G" |
| Mixing Height | 1,000.0 | meters |
| Wind direction standard deviation | 10.0 | degrees |
| Temperature | 10.0 | degree centigrade |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * | LINK COORDINATES (M) | | | | * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|---|----------------------|------|------|------|------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. Laurel C NBA | * | 9 | -150 | 9 | 0 | * AG | 960 | 3.6 | 0.0 | 13.5 | |
| B. Laurel C NBD | * | 9 | 0 | 9 | 150 | * AG | 1199 | 2.1 | 0.0 | 10.0 | |
| C. Laurel C NBL | * | 5 | -150 | 0 | 0 | * AG | 299 | 4.3 | 0.0 | 10.0 | |
| D. Laurel C SBA | * | -9 | 150 | -9 | 0 | * AG | 757 | 3.4 | 0.0 | 13.5 | |
| E. Laurel C SBD | * | -9 | 0 | -9 | -150 | * AG | 922 | 1.9 | 0.0 | 10.0 | |
| F. Laurel C SBL | * | -5 | 150 | 0 | 0 | * AG | 70 | 4.2 | 0.0 | 10.0 | |
| G. Sherman EBA | * | -150 | -9 | 0 | -9 | * AG | 1266 | 4.2 | 0.0 | 13.5 | |
| H. Sherman EBD | * | 0 | -9 | 150 | -9 | * AG | 1113 | 2.4 | 0.0 | 10.0 | |
| I. Sherman EBL | * | -150 | -5 | 0 | 0 | * AG | 279 | 4.3 | 0.0 | 10.0 | |
| J. Sherman WBA | * | 150 | 9 | 0 | 9 | * AG | 1105 | 3.9 | 0.0 | 13.5 | |
| K. Sherman WBD | * | 0 | 9 | -150 | 9 | * AG | 1620 | 3.6 | 0.0 | 10.0 | |
| L. Sherman WBL | * | 150 | 5 | 0 | 0 | * AG | 118 | 4.3 | 0.0 | 10.0 | |
| M. Laurel NBAX | * | 9 | -750 | 9 | -150 | * AG | 1259 | 1.7 | 0.0 | 13.5 | |
| N. Laurel NBDX | * | 9 | 150 | 9 | 750 | * AG | 1199 | 1.7 | 0.0 | 10.0 | |
| O. Laurel SBAX | * | -9 | 750 | -9 | 150 | * AG | 827 | 1.7 | 0.0 | 13.5 | |
| P. Laurel SBDX | * | -9 | -150 | -9 | -750 | * AG | 922 | 1.7 | 0.0 | 10.0 | |
| Q. Sherman EBAX | * | -750 | -9 | -150 | -9 | * AG | 1545 | 1.9 | 0.0 | 13.5 | |
| R. Sherman EBDX | * | 150 | -9 | 750 | -9 | * AG | 1113 | 1.9 | 0.0 | 10.0 | |
| S. Sherman WBAX | * | 750 | 9 | 150 | 9 | * AG | 1223 | 1.9 | 0.0 | 13.5 | |
| T. Sherman WBDX | * | -150 | 9 | -750 | 9 | * AG | 1620 | 1.9 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 2. NW | * | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.4 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | | | | * * * | | EF | H | W |
|------------------|-------|----------------------|------|------|------|-------|--------|-----|-----|------|
| | | X1 | Y1 | X2 | Y2 | TYPE | (G/MI) | (M) | (M) | |
| A. Hollywoo NBA | * * * | 5 | -150 | 5 | 0 | AG | 1749 | 4.3 | 0.0 | 13.5 |
| B. Hollywoo NBD | * * * | 5 | 0 | 5 | 150 | AG | 1537 | 2.5 | 0.0 | 10.0 |
| C. Hollywoo NBL | * * * | 2 | -150 | 0 | 0 | AG | 0 | 1.9 | 0.0 | 10.0 |
| D. Hollywoo SBA | * * * | -7 | 150 | -7 | 0 | AG | 486 | 3.0 | 0.0 | 10.0 |
| E. Hollywoo SBD | * * * | -7 | 0 | -7 | -150 | AG | 1083 | 2.1 | 0.0 | 10.0 |
| F. Hollywoo SBL | * * * | -5 | 150 | 0 | 0 | AG | 46 | 4.3 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * * * | -150 | -5 | 0 | -5 | AG | 598 | 4.3 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * * * | 0 | -5 | 150 | -5 | AG | 288 | 2.3 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * * * | -150 | -5 | 0 | 0 | AG | 29 | 4.2 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * * * | 150 | 0 | 0 | 0 | AG | 0 | 1.7 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * * * | 0 | 0 | -150 | 0 | AG | 0 | 1.7 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * * * | 150 | 2 | 0 | 0 | AG | 0 | 1.7 | 0.0 | 10.0 |
| M. Hollywo NBAX | * * * | 5 | -750 | 5 | -150 | AG | 1749 | 1.9 | 0.0 | 13.5 |
| N. Hollywo NBDX | * * * | 5 | 150 | 5 | 750 | AG | 1537 | 1.9 | 0.0 | 10.0 |
| O. Hollywo SBAX | * * * | -7 | 750 | -7 | 150 | AG | 532 | 1.9 | 0.0 | 10.0 |
| P. Hollywo SBDX | * * * | -7 | -150 | -7 | -750 | AG | 1083 | 1.9 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * * * | -750 | -5 | -150 | -5 | AG | 627 | 1.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * * * | 150 | -5 | 750 | -5 | AG | 288 | 1.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * * * | 750 | 0 | 150 | 0 | AG | 0 | 1.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * * * | -150 | 0 | -750 | 0 | AG | 0 | 1.7 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA
RUN: 2015nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|--------|----------------------|------|------|------|--------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. San Fern NBA | * | 0 | -150 | 0 | 0 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| B. San Fern NBD | * | 0 | 0 | 0 | 150 | * | AG | 440 | 2.6 | 0.0 | 10.0 |
| C. San Fern NBL | * | 2 | -150 | 0 | 0 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| D. San Fern SBA | * | -2 | 150 | -2 | 0 | * | AG | 24 | 3.9 | 0.0 | 10.0 |
| E. San Fern SBD | * | -2 | 0 | -2 | -150 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| F. San Fern SBL | * | -2 | 150 | 0 | 0 | * | AG | 317 | 4.3 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * | -150 | -4 | 0 | -4 | * | AG | 123 | 2.8 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * | 0 | -4 | 150 | -4 | * | AG | 440 | 1.8 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * | -150 | -2 | 0 | 0 | * | AG | 217 | 4.3 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * | 150 | 2 | 0 | 2 | * | AG | 319 | 3.5 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * | 0 | 2 | -150 | 2 | * | AG | 120 | 1.8 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * | 150 | 2 | 0 | 0 | * | AG | 0 | 1.7 | 0.0 | 10.0 |
| M. San Fer NBAX | * | 0 | -750 | 0 | -150 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| N. San Fer NBDX | * | 0 | 150 | 0 | 750 | * | AG | 440 | 1.9 | 0.0 | 10.0 |
| O. San Fer SBAX | * | -2 | 750 | -2 | 150 | * | AG | 341 | 1.9 | 0.0 | 10.0 |
| P. San Fer SBDX | * | -2 | -150 | -2 | -750 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * | -750 | -4 | -150 | -4 | * | AG | 340 | 1.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * | 150 | -4 | 750 | -4 | * | AG | 440 | 1.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * | 750 | 2 | 150 | 2 | * | AG | 319 | 1.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * | -150 | 2 | -750 | 2 | * | AG | 120 | 1.7 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
 RUN: 2015nP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * X1 | LINK COORDINATES (M) Y1 | X2 | Y2 | * * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|--------|-------------------------|------|------|----------|------|-----------|-------|-------|
| A. Buena Vi NBA | * 7 | -150 | 7 | 0 | * AG | 1223 | 3.6 | 0.0 | 10.0 |
| B. Buena Vi NBD | * 7 | 0 | 7 | 150 | * AG | 1088 | 2.1 | 0.0 | 10.0 |
| C. Buena Vi NBL | * 5 | -150 | 0 | 0 | * AG | 97 | 4.3 | 0.0 | 10.0 |
| D. Buena Vi SBA | * -7 | 150 | -7 | 0 | * AG | 635 | 3.1 | 0.0 | 10.0 |
| E. Buena Vi SBD | * -7 | 0 | -7 | -150 | * AG | 920 | 2.0 | 0.0 | 10.0 |
| F. Buena Vi SBL | * -5 | 150 | 0 | 0 | * AG | 22 | 4.3 | 0.0 | 10.0 |
| G. Winona A EBA | * -150 | -4 | 0 | -4 | * AG | 391 | 4.3 | 0.0 | 10.0 |
| H. Winona A EBD | * 0 | -4 | 150 | -4 | * AG | 340 | 2.7 | 0.0 | 10.0 |
| I. Winona A EBL | * -150 | -2 | 0 | 0 | * AG | 83 | 4.3 | 0.0 | 10.0 |
| J. Winona A WBA | * 150 | 5 | 0 | 5 | * AG | 49 | 3.9 | 0.0 | 10.0 |
| K. Winona A WBD | * 0 | 5 | -150 | 5 | * AG | 306 | 2.7 | 0.0 | 10.0 |
| L. Winona A WBL | * 150 | 5 | 0 | 0 | * AG | 154 | 4.3 | 0.0 | 10.0 |
| M. Buena V NBAX | * 7 | -750 | 7 | -150 | * AG | 1320 | 1.9 | 0.0 | 10.0 |
| N. Buena V NBDX | * 7 | 150 | 7 | 750 | * AG | 1088 | 1.9 | 0.0 | 10.0 |
| O. Buena V SBAX | * -7 | 750 | -7 | 150 | * AG | 657 | 1.9 | 0.0 | 10.0 |
| P. Buena V SBDX | * -7 | -150 | -7 | -750 | * AG | 920 | 1.9 | 0.0 | 10.0 |
| Q. Winona EBAX | * -750 | -4 | -150 | -4 | * AG | 474 | 1.9 | 0.0 | 10.0 |
| R. Winona EBDX | * 150 | -4 | 750 | -4 | * AG | 340 | 1.9 | 0.0 | 10.0 |
| S. Winona WBAX | * 750 | 5 | 150 | 5 | * AG | 203 | 1.9 | 0.0 | 10.0 |
| T. Winona WBDX | * -150 | 5 | -750 | 5 | * AG | 306 | 1.9 | 0.0 | 10.0 |

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JOB: HSR B-LA
 RUN: 2015nP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|----------------------|-----------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | TYPE | VPH | | |
| A. I-5 NB R NBA | * | 5 -150 5 0 | * AG | 245 | 4.0 | 10.0 |
| B. I-5 NB R NBD | * | 5 0 5 150 | * AG | 600 | 4.3 | 10.0 |
| C. I-5 NB R NBL | * | 5 -150 0 0 | * AG | 0 | 1.7 | 10.0 |
| D. I-5 NB R SBA | * | -2 150 -2 0 | * AG | 0 | 1.7 | 10.0 |
| E. I-5 NB R SBD | * | -2 0 -2 -150 | * AG | 0 | 1.7 | 10.0 |
| F. I-5 NB R SBL | * | -2 150 0 0 | * AG | 0 | 1.7 | 10.0 |
| G. San Fern EBA | * | -150 -4 0 -4 | * AG | 1313 | 3.6 | 10.0 |
| H. San Fern EBD | * | 0 -4 150 -4 | * AG | 1558 | 2.5 | 10.0 |
| I. San Fern EBL | * | -150 -2 0 0 | * AG | 0 | 1.9 | 10.0 |
| J. San Fern WBA | * | 150 7 0 7 | * AG | 600 | 3.1 | 10.0 |
| K. San Fern WBD | * | 0 7 -150 7 | * AG | 0 | 1.9 | 10.0 |
| L. San Fern WBL | * | 150 5 0 0 | * AG | 0 | 1.9 | 10.0 |
| M. I-5 NB NBAX | * | 5 -750 5 -150 | * AG | 245 | 1.7 | 10.0 |
| N. I-5 NB NBDX | * | 5 150 5 750 | * AG | 600 | 1.7 | 10.0 |
| O. I-5 NB SBAX | * | -2 750 -2 150 | * AG | 0 | 1.7 | 10.0 |
| P. I-5 NB SBDX | * | -2 -150 -2 -750 | * AG | 0 | 1.7 | 10.0 |
| Q. San Fer EBAX | * | -750 -4 -150 -4 | * AG | 1313 | 1.9 | 10.0 |
| R. San Fer EBDX | * | 150 -4 750 -4 | * AG | 1558 | 1.9 | 10.0 |
| S. San Fer WBAX | * | 750 7 150 7 | * AG | 600 | 1.9 | 10.0 |
| T. San Fer WBDX | * | -150 7 -750 7 | * AG | 0 | 1.9 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|-----------------------|-----------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | TYPE | VPH | | |
| A. CA-170 S NBA | * * * * * | 2 -150 2 0 | * AG | 372 | 4.3 | 10.0 |
| B. CA-170 S NBD | * * * * * | 2 0 2 150 | * AG | 298 | 2.3 | 10.0 |
| C. CA-170 S NBL | * * * * * | 2 -150 0 0 | * AG | 0 | 1.7 | 10.0 |
| D. CA-170 S SBA | * * * * * | -2 150 -2 0 | * AG | 241 | 4.3 | 10.0 |
| E. CA-170 S SBD | * * * * * | -2 0 -2 -150 | * AG | 876 | 4.3 | 10.0 |
| F. CA-170 S SBL | * * * * * | -2 150 0 0 | * AG | 0 | 1.7 | 10.0 |
| G. Victory EBA | * * * * * | -150 -5 0 -5 | * AG | 2354 | 3.9 | 13.5 |
| H. Victory EBD | * * * * * | 0 -5 150 -5 | * AG | 1850 | 2.2 | 11.8 |
| I. Victory EBL | * * * * * | -150 -2 0 0 | * AG | 0 | 1.9 | 10.0 |
| J. Victory WBA | * * * * * | 150 5 0 5 | * AG | 2297 | 3.9 | 13.5 |
| K. Victory WBD | * * * * * | 0 5 -150 5 | * AG | 2240 | 2.5 | 11.8 |
| L. Victory WBL | * * * * * | 150 2 0 0 | * AG | 0 | 1.9 | 10.0 |
| M. CA-170 NBAX | * * * * * | 2 -750 2 -150 | * AG | 372 | 1.7 | 10.0 |
| N. CA-170 NBDX | * * * * * | 2 150 2 750 | * AG | 298 | 1.7 | 10.0 |
| O. CA-170 SBAX | * * * * * | -2 750 -2 150 | * AG | 241 | 1.7 | 10.0 |
| P. CA-170 SBDX | * * * * * | -2 -150 -2 -750 | * AG | 876 | 1.7 | 10.0 |
| Q. Victory EBAX | * * * * * | -750 -5 -150 -5 | * AG | 2354 | 1.9 | 13.5 |
| R. Victory EBDX | * * * * * | 150 -5 750 -5 | * AG | 1850 | 1.9 | 11.8 |
| S. Victory WBAX | * * * * * | 750 5 150 5 | * AG | 2297 | 1.9 | 13.5 |
| T. Victory WBDX | * * * * * | -150 5 -750 5 | * AG | 2240 | 1.9 | 11.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA
RUN: 2015nP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015nP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 2. NW | * | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 4. NE | * | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 8. EN mdbl | * | 0.0 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.6 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.2 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | EF | H | W |
|-----------------|---|----------------------|------|------|------|--------|------|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. Laurel C NBA | * | 9 | -150 | 9 | 0 | * AG | 960 | 3.6 | 0.0 | 13.5 |
| B. Laurel C NBD | * | 9 | 0 | 9 | 150 | * AG | 1199 | 2.1 | 0.0 | 10.0 |
| C. Laurel C NBL | * | 5 | -150 | 0 | 0 | * AG | 299 | 4.3 | 0.0 | 10.0 |
| D. Laurel C SBA | * | -9 | 150 | -9 | 0 | * AG | 757 | 3.4 | 0.0 | 13.5 |
| E. Laurel C SBD | * | -9 | 0 | -9 | -150 | * AG | 922 | 1.9 | 0.0 | 10.0 |
| F. Laurel C SBL | * | -5 | 150 | 0 | 0 | * AG | 70 | 4.2 | 0.0 | 10.0 |
| G. Sherman EBA | * | -150 | -9 | 0 | -9 | * AG | 1273 | 4.2 | 0.0 | 13.5 |
| H. Sherman EBD | * | 0 | -9 | 150 | -9 | * AG | 1120 | 2.4 | 0.0 | 10.0 |
| I. Sherman EBL | * | -150 | -5 | 0 | 0 | * AG | 279 | 4.3 | 0.0 | 10.0 |
| J. Sherman WBA | * | 150 | 9 | 0 | 9 | * AG | 1112 | 3.9 | 0.0 | 13.5 |
| K. Sherman WBD | * | 0 | 9 | -150 | 9 | * AG | 1627 | 3.6 | 0.0 | 10.0 |
| L. Sherman WBL | * | 150 | 5 | 0 | 0 | * AG | 118 | 4.3 | 0.0 | 10.0 |
| M. Laurel NBAX | * | 9 | -750 | 9 | -150 | * AG | 1259 | 1.7 | 0.0 | 13.5 |
| N. Laurel NBDX | * | 9 | 150 | 9 | 750 | * AG | 1199 | 1.7 | 0.0 | 10.0 |
| O. Laurel SBAX | * | -9 | 750 | -9 | 150 | * AG | 827 | 1.7 | 0.0 | 13.5 |
| P. Laurel SBDX | * | -9 | -150 | -9 | -750 | * AG | 922 | 1.7 | 0.0 | 10.0 |
| Q. Sherman EBAX | * | -750 | -9 | -150 | -9 | * AG | 1552 | 1.9 | 0.0 | 13.5 |
| R. Sherman EBDX | * | 150 | -9 | 750 | -9 | * AG | 1120 | 1.9 | 0.0 | 10.0 |
| S. Sherman WBAX | * | 750 | 9 | 150 | 9 | * AG | 1230 | 1.9 | 0.0 | 13.5 |
| T. Sherman WBDX | * | -150 | 9 | -750 | 9 | * AG | 1627 | 1.9 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 2. NW | * | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.6 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.4 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.3 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
 RUN: 2015wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * X1 | LINK COORDINATES Y1 | (M) X2 | Y2 | * * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|--------|---------------------|--------|------|----------|------|-----------|-------|-------|
| A. Hollywoo NBA | * 5 | -150 | 5 | 0 | * AG | 1856 | 4.3 | 0.0 | 13.5 |
| B. Hollywoo NBD | * 5 | 0 | 5 | 150 | * AG | 1625 | 2.6 | 0.0 | 10.0 |
| C. Hollywoo NBL | * 2 | -150 | 0 | 0 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| D. Hollywoo SBA | * -7 | 150 | -7 | 0 | * AG | 505 | 3.0 | 0.0 | 10.0 |
| E. Hollywoo SBD | * -7 | 0 | -7 | -150 | * AG | 1190 | 2.1 | 0.0 | 10.0 |
| F. Hollywoo SBL | * -5 | 150 | 0 | 0 | * AG | 46 | 4.3 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * -150 | -5 | 0 | -5 | * AG | 686 | 4.3 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * 0 | -5 | 150 | -5 | * AG | 307 | 2.6 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * -150 | -5 | 0 | 0 | * AG | 29 | 4.2 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * 150 | 0 | 0 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * 0 | 0 | -150 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * 150 | 2 | 0 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |
| M. Hollywo NBAX | * 5 | -750 | 5 | -150 | * AG | 1856 | 1.9 | 0.0 | 13.5 |
| N. Hollywo NBDX | * 5 | 150 | 5 | 750 | * AG | 1625 | 1.9 | 0.0 | 10.0 |
| O. Hollywo SBAX | * -7 | 750 | -7 | 150 | * AG | 551 | 1.9 | 0.0 | 10.0 |
| P. Hollywo SBDX | * -7 | -150 | -7 | -750 | * AG | 1190 | 1.9 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * -750 | -5 | -150 | -5 | * AG | 715 | 1.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * 150 | -5 | 750 | -5 | * AG | 307 | 1.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * 750 | 0 | 150 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * -150 | 0 | -750 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |

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JOB: HSR B-LA
 RUN: 2015wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015WP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | EF | H | W |
|-----------------|---|----------------------|------|------|------|--------|-----|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. San Fern NBA | * | 0 | -150 | 0 | 0 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| B. San Fern NBD | * | 0 | 0 | 0 | 150 | * AG | 440 | 2.6 | 0.0 | 10.0 |
| C. San Fern NBL | * | 2 | -150 | 0 | 0 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| D. San Fern SBA | * | -2 | 150 | -2 | 0 | * AG | 24 | 3.9 | 0.0 | 10.0 |
| E. San Fern SBD | * | -2 | 0 | -2 | -150 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| F. San Fern SBL | * | -2 | 150 | 0 | 0 | * AG | 317 | 4.3 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * | -150 | -4 | 0 | -4 | * AG | 123 | 2.8 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * | 0 | -4 | 150 | -4 | * AG | 440 | 1.8 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * | -150 | -2 | 0 | 0 | * AG | 217 | 4.3 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * | 150 | 2 | 0 | 2 | * AG | 319 | 3.5 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * | 0 | 2 | -150 | 2 | * AG | 120 | 1.8 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * | 150 | 2 | 0 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 |
| M. San Fer NBAX | * | 0 | -750 | 0 | -150 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| N. San Fer NBDX | * | 0 | 150 | 0 | 750 | * AG | 440 | 1.9 | 0.0 | 10.0 |
| O. San Fer SBAX | * | -2 | 750 | -2 | 150 | * AG | 341 | 1.9 | 0.0 | 10.0 |
| P. San Fer SBDX | * | -2 | -150 | -2 | -750 | * AG | 0 | 1.9 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * | -750 | -4 | -150 | -4 | * AG | 340 | 1.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * | 150 | -4 | 750 | -4 | * AG | 440 | 1.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * | 750 | 2 | 150 | 2 | * AG | 319 | 1.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * | -150 | 2 | -750 | 2 | * AG | 120 | 1.7 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|--------|----------------------|------|------|------|--------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. Buena Vi NBA | * | 7 | -150 | 7 | 0 | * AG | 1223 | 3.6 | 0.0 | 10.0 | |
| B. Buena Vi NBD | * | 7 | 0 | 7 | 150 | * AG | 1088 | 2.1 | 0.0 | 10.0 | |
| C. Buena Vi NBL | * | 5 | -150 | 0 | 0 | * AG | 97 | 4.3 | 0.0 | 10.0 | |
| D. Buena Vi SBA | * | -7 | 150 | -7 | 0 | * AG | 635 | 3.1 | 0.0 | 10.0 | |
| E. Buena Vi SBD | * | -7 | 0 | -7 | -150 | * AG | 920 | 2.0 | 0.0 | 10.0 | |
| F. Buena Vi SBL | * | -5 | 150 | 0 | 0 | * AG | 22 | 4.3 | 0.0 | 10.0 | |
| G. Winona A EBA | * | -150 | -4 | 0 | -4 | * AG | 391 | 4.3 | 0.0 | 10.0 | |
| H. Winona A EBD | * | 0 | -4 | 150 | -4 | * AG | 340 | 2.7 | 0.0 | 10.0 | |
| I. Winona A EBL | * | -150 | -2 | 0 | 0 | * AG | 83 | 4.3 | 0.0 | 10.0 | |
| J. Winona A WBA | * | 150 | 5 | 0 | 5 | * AG | 49 | 3.9 | 0.0 | 10.0 | |
| K. Winona A WBD | * | 0 | 5 | -150 | 5 | * AG | 306 | 2.7 | 0.0 | 10.0 | |
| L. Winona A WBL | * | 150 | 5 | 0 | 0 | * AG | 154 | 4.3 | 0.0 | 10.0 | |
| M. Buena V NBAX | * | 7 | -750 | 7 | -150 | * AG | 1320 | 1.9 | 0.0 | 10.0 | |
| N. Buena V NBDX | * | 7 | 150 | 7 | 750 | * AG | 1088 | 1.9 | 0.0 | 10.0 | |
| O. Buena V SBAX | * | -7 | 750 | -7 | 150 | * AG | 657 | 1.9 | 0.0 | 10.0 | |
| P. Buena V SBDX | * | -7 | -150 | -7 | -750 | * AG | 920 | 1.9 | 0.0 | 10.0 | |
| Q. Winona EBAX | * | -750 | -4 | -150 | -4 | * AG | 474 | 1.9 | 0.0 | 10.0 | |
| R. Winona EBDX | * | 150 | -4 | 750 | -4 | * AG | 340 | 1.9 | 0.0 | 10.0 | |
| S. Winona WBAX | * | 750 | 5 | 150 | 5 | * AG | 203 | 1.9 | 0.0 | 10.0 | |
| T. Winona WBDX | * | -150 | 5 | -750 | 5 | * AG | 306 | 1.9 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015WP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | | EF | H | W |
|-------------|----------------|----------------------|------|------|------|--------|------|--------|-----|------|---|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) | |
| A. | I-5 NB R NBA * | 5 | -150 | 5 | 0 | * AG | 245 | 4.0 | 0.0 | 10.0 | |
| B. | I-5 NB R NBD * | 5 | 0 | 5 | 150 | * AG | 600 | 4.3 | 0.0 | 10.0 | |
| C. | I-5 NB R NBL * | 5 | -150 | 0 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 | |
| D. | I-5 NB R SBA * | -2 | 150 | -2 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 | |
| E. | I-5 NB R SBD * | -2 | 0 | -2 | -150 | * AG | 3 | 2.1 | 0.0 | 10.0 | |
| F. | I-5 NB R SBL * | -2 | 150 | 0 | 0 | * AG | 0 | 1.7 | 0.0 | 10.0 | |
| G. | San Fern EBA * | -150 | -4 | 0 | -4 | * AG | 1313 | 3.6 | 0.0 | 10.0 | |
| H. | San Fern EBD * | 0 | -4 | 150 | -4 | * AG | 1558 | 2.5 | 0.0 | 10.0 | |
| I. | San Fern EBL * | -150 | -2 | 0 | 0 | * AG | 0 | 1.9 | 0.0 | 10.0 | |
| J. | San Fern WBA * | 150 | 7 | 0 | 7 | * AG | 600 | 3.1 | 0.0 | 10.0 | |
| K. | San Fern WBD * | 0 | 7 | -150 | 7 | * AG | 0 | 1.9 | 0.0 | 10.0 | |
| L. | San Fern WBL * | 150 | 5 | 0 | 0 | * AG | 3 | 4.3 | 0.0 | 10.0 | |
| M. | I-5 NB NBAX * | 5 | -750 | 5 | -150 | * AG | 245 | 1.7 | 0.0 | 10.0 | |
| N. | I-5 NB NBDX * | 5 | 150 | 5 | 750 | * AG | 600 | 1.7 | 0.0 | 10.0 | |
| O. | I-5 NB SBAX * | -2 | 750 | -2 | 150 | * AG | 0 | 1.7 | 0.0 | 10.0 | |
| P. | I-5 NB SBDX * | -2 | -150 | -2 | -750 | * AG | 3 | 1.7 | 0.0 | 10.0 | |
| Q. | San Fer EBAX * | -750 | -4 | -150 | -4 | * AG | 1313 | 1.9 | 0.0 | 10.0 | |
| R. | San Fer EBDX * | 150 | -4 | 750 | -4 | * AG | 1558 | 1.9 | 0.0 | 10.0 | |
| S. | San Fer WBAX * | 750 | 7 | 150 | 7 | * AG | 603 | 1.9 | 0.0 | 10.0 | |
| T. | San Fer WBDX * | -150 | 7 | -750 | 7 | * AG | 0 | 1.9 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2015wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK | COORDINATES | (M) | * | EF | H | W | | | | |
|-------------|--------------|------|-------------|------|------|------|-----|--------|------|-----|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | TYPE | VPH | (G/MI) | (M) | (M) | | |
| A. | CA-170 S NBA | * | 2 | -150 | 2 | 0 | * | AG | 372 | 4.3 | 0.0 | 10.0 |
| B. | CA-170 S NBD | * | 2 | 0 | 2 | 150 | * | AG | 357 | 2.6 | 0.0 | 10.0 |
| C. | CA-170 S NBL | * | 2 | -150 | 0 | 0 | * | AG | 0 | 1.7 | 0.0 | 10.0 |
| D. | CA-170 S SBA | * | -2 | 150 | -2 | 0 | * | AG | 241 | 4.3 | 0.0 | 10.0 |
| E. | CA-170 S SBD | * | -2 | 0 | -2 | -150 | * | AG | 876 | 4.3 | 0.0 | 10.0 |
| F. | CA-170 S SBL | * | -2 | 150 | 0 | 0 | * | AG | 0 | 1.7 | 0.0 | 10.0 |
| G. | Victory EBA | * | -150 | -5 | 0 | -5 | * | AG | 2357 | 3.9 | 0.0 | 13.5 |
| H. | Victory EBD | * | 0 | -5 | 150 | -5 | * | AG | 1853 | 2.2 | 0.0 | 11.8 |
| I. | Victory EBL | * | -150 | -2 | 0 | 0 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| J. | Victory WBA | * | 150 | 5 | 0 | 5 | * | AG | 2359 | 3.9 | 0.0 | 13.5 |
| K. | Victory WBD | * | 0 | 5 | -150 | 5 | * | AG | 2243 | 2.5 | 0.0 | 11.8 |
| L. | Victory WBL | * | 150 | 2 | 0 | 0 | * | AG | 0 | 1.9 | 0.0 | 10.0 |
| M. | CA-170 NBAX | * | 2 | -750 | 2 | -150 | * | AG | 372 | 1.7 | 0.0 | 10.0 |
| N. | CA-170 NBDX | * | 2 | 150 | 2 | 750 | * | AG | 357 | 1.7 | 0.0 | 10.0 |
| O. | CA-170 SBAX | * | -2 | 750 | -2 | 150 | * | AG | 241 | 1.7 | 0.0 | 10.0 |
| P. | CA-170 SBDX | * | -2 | -150 | -2 | -750 | * | AG | 876 | 1.7 | 0.0 | 10.0 |
| Q. | Victory EBAX | * | -750 | -5 | -150 | -5 | * | AG | 2357 | 1.9 | 0.0 | 13.5 |
| R. | Victory EBDX | * | 150 | -5 | 750 | -5 | * | AG | 1853 | 1.9 | 0.0 | 11.8 |
| S. | Victory WBAX | * | 750 | 5 | 150 | 5 | * | AG | 2359 | 1.9 | 0.0 | 13.5 |
| T. | Victory WBDX | * | -150 | 5 | -750 | 5 | * | AG | 2243 | 1.9 | 0.0 | 11.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2015wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 2. NW | * | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 4. NE | * | 0.0 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.1 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 8. EN mdbl | * | 0.0 | 1.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.3 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.6 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.0 | 0.0 | 0.2 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.6 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | EF | H | W | |
|-----------------|---|----------------------|------|------|------|--------|--------|-----|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | (G/MI) | (M) | (M) | |
| A. Laurel C NBA | * | 9 | -150 | 9 | 0 | * AG | 980 | 1.7 | 0.0 | 13.5 |
| B. Laurel C NBD | * | 9 | 0 | 9 | 150 | * AG | 1210 | 0.9 | 0.0 | 10.0 |
| C. Laurel C NBL | * | 5 | -150 | 0 | 0 | * AG | 310 | 2.2 | 0.0 | 10.0 |
| D. Laurel C SBA | * | -9 | 150 | -9 | 0 | * AG | 780 | 1.6 | 0.0 | 13.5 |
| E. Laurel C SBD | * | -9 | 0 | -9 | -150 | * AG | 960 | 0.7 | 0.0 | 10.0 |
| F. Laurel C SBL | * | -5 | 150 | 0 | 0 | * AG | 80 | 2.1 | 0.0 | 10.0 |
| G. Sherman EBA | * | -150 | -9 | 0 | -9 | * AG | 1360 | 2.1 | 0.0 | 13.5 |
| H. Sherman EBD | * | 0 | -9 | 150 | -9 | * AG | 1220 | 1.0 | 0.0 | 10.0 |
| I. Sherman EBL | * | -150 | -5 | 0 | 0 | * AG | 280 | 2.2 | 0.0 | 10.0 |
| J. Sherman WBA | * | 150 | 9 | 0 | 9 | * AG | 1170 | 1.9 | 0.0 | 13.5 |
| K. Sherman WBD | * | 0 | 9 | -150 | 9 | * AG | 1700 | 1.7 | 0.0 | 10.0 |
| L. Sherman WBL | * | 150 | 5 | 0 | 0 | * AG | 130 | 2.1 | 0.0 | 10.0 |
| M. Laurel NBAX | * | 9 | -750 | 9 | -150 | * AG | 1290 | 0.7 | 0.0 | 13.5 |
| N. Laurel NBDX | * | 9 | 150 | 9 | 750 | * AG | 1210 | 0.7 | 0.0 | 10.0 |
| O. Laurel SBAX | * | -9 | 750 | -9 | 150 | * AG | 860 | 0.7 | 0.0 | 13.5 |
| P. Laurel SBDX | * | -9 | -150 | -9 | -750 | * AG | 960 | 0.7 | 0.0 | 10.0 |
| Q. Sherman EBAX | * | -750 | -9 | -150 | -9 | * AG | 1640 | 0.7 | 0.0 | 13.5 |
| R. Sherman EBDX | * | 150 | -9 | 750 | -9 | * AG | 1220 | 0.7 | 0.0 | 10.0 |
| S. Sherman WBAX | * | 750 | 9 | 150 | 9 | * AG | 1300 | 0.7 | 0.0 | 13.5 |
| T. Sherman WBDX | * | -150 | 9 | -750 | 9 | * AG | 1700 | 0.7 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2029nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
RUN: 2029nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

| | | |
|--------------------|-----------------------|---------------|
| U= 0.5 M/S | Z0= 100. CM | ALT= 152. (M) |
| BRG= WORST CASE | VD= 0.0 CM/S | |
| CLAS= 7 (G) | VS= 0.0 CM/S | |
| MIXH= 1000. M | AMB= 0.0 PPM | |
| SIGTH= 10. DEGREES | TEMP= 10.0 DEGREE (C) | |

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|--------|----------------------|--------|------|------|--------------|----------|----------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Hollywoo NBA | * | 5 -150 5 0 | * | AG | 1910 | 2.2 | 0.0 | 13.5 |
| B. Hollywoo NBD | * | 5 0 5 150 | * | AG | 1672 | 1.0 | 0.0 | 10.0 |
| C. Hollywoo NBL | * | 2 -150 0 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |
| D. Hollywoo SBA | * | -7 150 -7 0 | * | AG | 542 | 1.3 | 0.0 | 10.0 |
| E. Hollywoo SBD | * | -7 0 -7 -150 | * | AG | 1190 | 0.8 | 0.0 | 10.0 |
| F. Hollywoo SBL | * | -5 150 0 0 | * | AG | 50 | 2.1 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * | -150 -5 0 -5 | * | AG | 658 | 2.2 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * | 0 -5 150 -5 | * | AG | 328 | 1.0 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * | -150 -5 0 0 | * | AG | 30 | 2.1 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * | 150 0 0 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * | 0 0 -150 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * | 150 2 0 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |
| M. Hollywo NBAX | * | 5 -750 5 -150 | * | AG | 1910 | 0.7 | 0.0 | 13.5 |
| N. Hollywo NBDX | * | 5 150 5 750 | * | AG | 1672 | 0.7 | 0.0 | 10.0 |
| O. Hollywo SBAX | * | -7 750 -7 150 | * | AG | 592 | 0.7 | 0.0 | 10.0 |
| P. Hollywo SBDX | * | -7 -150 -7 -750 | * | AG | 1190 | 0.7 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * | -750 -5 -150 -5 | * | AG | 688 | 0.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * | 150 -5 750 -5 | * | AG | 328 | 0.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * | 750 0 150 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * | -150 0 -750 0 | * | AG | 0 | 0.7 | 0.0 | 10.0 |

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JOB: HSR B-LA
RUN: 2029nP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
 RUN: 2029nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * DESCRIPTION | * X1 | * Y1 | * X2 | * Y2 | * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------|------------------|---------|---------|---------|---------|-----------|-----|--------------|----------|----------|
| A. | San Fern NBA | 0 | -150 | 0 | 0 | AG | 0 | 0.7 | 0.0 | 10.0 |
| B. | San Fern NBD | 0 | 0 | 0 | 150 | AG | 520 | 0.9 | 0.0 | 10.0 |
| C. | San Fern NBL | 2 | -150 | 0 | 0 | AG | 0 | 0.7 | 0.0 | 10.0 |
| D. | San Fern SBA | -2 | 150 | -2 | 0 | AG | 30 | 1.9 | 0.0 | 10.0 |
| E. | San Fern SBD | -2 | 0 | -2 | -150 | AG | 0 | 0.7 | 0.0 | 10.0 |
| F. | San Fern SBL | -2 | 150 | 0 | 0 | AG | 256 | 2.2 | 0.0 | 10.0 |
| G. | I-5 SB R EBA | -150 | -4 | 0 | -4 | AG | 150 | 1.1 | 0.0 | 10.0 |
| H. | I-5 SB R EBD | 0 | -4 | 150 | -4 | AG | 406 | 0.7 | 0.0 | 10.0 |
| I. | I-5 SB R EBL | -150 | -2 | 0 | 0 | AG | 290 | 2.2 | 0.0 | 10.0 |
| J. | I-5 SB R WBA | 150 | 2 | 0 | 2 | AG | 330 | 1.7 | 0.0 | 10.0 |
| K. | I-5 SB R WBD | 0 | 2 | -150 | 2 | AG | 130 | 0.7 | 0.0 | 10.0 |
| L. | I-5 SB R WBL | 150 | 2 | 0 | 0 | AG | 0 | 0.7 | 0.0 | 10.0 |
| M. | San Fer NBAX | 0 | -750 | 0 | -150 | AG | 0 | 0.7 | 0.0 | 10.0 |
| N. | San Fer NBDX | 0 | 150 | 0 | 750 | AG | 520 | 0.7 | 0.0 | 10.0 |
| O. | San Fer SBAX | -2 | 750 | -2 | 150 | AG | 286 | 0.7 | 0.0 | 10.0 |
| P. | San Fer SBDX | -2 | -150 | -2 | -750 | AG | 0 | 0.7 | 0.0 | 10.0 |
| Q. | I-5 SB EBAX | -750 | -4 | -150 | -4 | AG | 440 | 0.7 | 0.0 | 10.0 |
| R. | I-5 SB EBDX | 150 | -4 | 750 | -4 | AG | 406 | 0.7 | 0.0 | 10.0 |
| S. | I-5 SB WBAX | 750 | 2 | 150 | 2 | AG | 330 | 0.7 | 0.0 | 10.0 |
| T. | I-5 SB WBDX | -150 | 2 | -750 | 2 | AG | 130 | 0.7 | 0.0 | 10.0 |

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JOB: HSR B-LA
 RUN: 2029nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
RUN: 2029nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * * | LINK COORDINATES (M) | * * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-------------------|----------------------|-------------------|-----------|-------|----------|
| | | X1 Y1 X2 Y2 | | | | |
| A. Buena Vi NBA | * | 7 -150 7 0 | * AG | 1182 | 1.5 | 0.0 10.0 |
| B. Buena Vi NBD | * | 7 0 7 150 | * AG | 1042 | 0.8 | 0.0 10.0 |
| C. Buena Vi NBL | * | 5 -150 0 0 | * AG | 100 | 2.1 | 0.0 10.0 |
| D. Buena Vi SBA | * | -7 150 -7 0 | * AG | 700 | 1.3 | 0.0 10.0 |
| E. Buena Vi SBD | * | -7 0 -7 -150 | * AG | 926 | 0.8 | 0.0 10.0 |
| F. Buena Vi SBL | * | -5 150 0 0 | * AG | 30 | 2.1 | 0.0 10.0 |
| G. Winona A EBA | * | -150 -4 0 -4 | * AG | 336 | 2.2 | 0.0 10.0 |
| H. Winona A EBD | * | 0 -4 150 -4 | * AG | 370 | 1.0 | 0.0 10.0 |
| I. Winona A EBL | * | -150 -2 0 0 | * AG | 90 | 2.1 | 0.0 10.0 |
| J. Winona A WBA | * | 150 5 0 5 | * AG | 60 | 1.9 | 0.0 10.0 |
| K. Winona A WBD | * | 0 5 -150 5 | * AG | 320 | 1.0 | 0.0 10.0 |
| L. Winona A WBL | * | 150 5 0 0 | * AG | 160 | 2.1 | 0.0 10.0 |
| M. Buena V NBAX | * | 7 -750 7 -150 | * AG | 1282 | 0.7 | 0.0 10.0 |
| N. Buena V NBDX | * | 7 150 7 750 | * AG | 1042 | 0.7 | 0.0 10.0 |
| O. Buena V SBAX | * | -7 750 -7 150 | * AG | 730 | 0.7 | 0.0 10.0 |
| P. Buena V SBDX | * | -7 -150 -7 -750 | * AG | 926 | 0.7 | 0.0 10.0 |
| Q. Winona EBAX | * | -750 -4 -150 -4 | * AG | 426 | 0.7 | 0.0 10.0 |
| R. Winona EBDX | * | 150 -4 750 -4 | * AG | 370 | 0.7 | 0.0 10.0 |
| S. Winona WBAX | * | 750 5 150 5 | * AG | 220 | 0.7 | 0.0 10.0 |
| T. Winona WBDX | * | -150 5 -750 5 | * AG | 320 | 0.7 | 0.0 10.0 |

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JOB: HSR B-LA
RUN: 2029nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|--------|----------------------|------|------|------|--------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. I-5 NB R NBA | * | 5 | -150 | 5 | 0 | * AG | 436 | 2.2 | 0.0 | 10.0 | |
| B. I-5 NB R NBD | * | 5 | 0 | 5 | 150 | * AG | 1064 | 2.2 | 0.0 | 10.0 | |
| C. I-5 NB R NBL | * | 5 | -150 | 0 | 0 | * AG | 184 | 2.1 | 0.0 | 10.0 | |
| D. I-5 NB R SBA | * | -2 | 150 | -2 | 0 | * AG | 929 | 2.2 | 0.0 | 10.0 | |
| E. I-5 NB R SBD | * | -2 | 0 | -2 | -150 | * AG | 1284 | 2.2 | 0.0 | 10.0 | |
| F. I-5 NB R SBL | * | -2 | 150 | 0 | 0 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| G. San Fern EBA | * | -150 | -4 | 0 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| H. San Fern EBD | * | 0 | -4 | 150 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| I. San Fern EBL | * | -150 | -2 | 0 | 0 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| J. San Fern WBA | * | 150 | 7 | 0 | 7 | * AG | 628 | 1.4 | 0.0 | 10.0 | |
| K. San Fern WBD | * | 0 | 7 | -150 | 7 | * AG | 399 | 0.7 | 0.0 | 10.0 | |
| L. San Fern WBL | * | 150 | 5 | 0 | 0 | * AG | 570 | 2.2 | 0.0 | 10.0 | |
| M. I-5 NB NBAX | * | 5 | -750 | 5 | -150 | * AG | 620 | 0.7 | 0.0 | 10.0 | |
| N. I-5 NB NBDX | * | 5 | 150 | 5 | 750 | * AG | 1064 | 0.7 | 0.0 | 10.0 | |
| O. I-5 NB SBAX | * | -2 | 750 | -2 | 150 | * AG | 929 | 0.7 | 0.0 | 10.0 | |
| P. I-5 NB SBDX | * | -2 | -150 | -2 | -750 | * AG | 1284 | 0.7 | 0.0 | 10.0 | |
| Q. San Fer EBAX | * | -750 | -4 | -150 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| R. San Fer EBDX | * | 150 | -4 | 750 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| S. San Fer WBAX | * | 750 | 7 | 150 | 7 | * AG | 1198 | 0.7 | 0.0 | 10.0 | |
| T. San Fer WBDX | * | -150 | 7 | -750 | 7 | * AG | 399 | 0.7 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2029nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029nP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
 RUN: 2029wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|-----------------------|-----------|-----------|-------|-------|
| | * * * * * | X1 Y1 X2 Y2 | * * * * * | | | |
| A. San Fern NBA | * * * * * | 0 -150 0 0 | * * * * * | 0.7 | 0.0 | 10.0 |
| B. San Fern NBD | * * * * * | 0 0 0 150 | * * * * * | 0.9 | 0.0 | 10.0 |
| C. San Fern NBL | * * * * * | 2 -150 0 0 | * * * * * | 0.7 | 0.0 | 10.0 |
| D. San Fern SBA | * * * * * | -2 150 -2 0 | * * * * * | 1.9 | 0.0 | 10.0 |
| E. San Fern SBD | * * * * * | -2 0 -2 -150 | * * * * * | 0.7 | 0.0 | 10.0 |
| F. San Fern SBL | * * * * * | -2 150 0 0 | * * * * * | 2.2 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * * * * * | -150 -4 0 -4 | * * * * * | 1.1 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * * * * * | 0 -4 150 -4 | * * * * * | 0.7 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * * * * * | -150 -2 0 0 | * * * * * | 2.2 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * * * * * | 150 2 0 2 | * * * * * | 1.7 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * * * * * | 0 2 -150 2 | * * * * * | 0.7 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * * * * * | 150 2 0 0 | * * * * * | 0.7 | 0.0 | 10.0 |
| M. San Fer NBAX | * * * * * | 0 -750 0 -150 | * * * * * | 0.7 | 0.0 | 10.0 |
| N. San Fer NBDX | * * * * * | 0 150 0 750 | * * * * * | 0.7 | 0.0 | 10.0 |
| O. San Fer SBAX | * * * * * | -2 750 -2 150 | * * * * * | 0.7 | 0.0 | 10.0 |
| P. San Fer SBDX | * * * * * | -2 -150 -2 -750 | * * * * * | 0.7 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * * * * * | -750 -4 -150 -4 | * * * * * | 0.7 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * * * * * | 150 -4 750 -4 | * * * * * | 0.7 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * * * * * | 750 2 150 2 | * * * * * | 0.7 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * * * * * | -150 2 -750 2 | * * * * * | 0.7 | 0.0 | 10.0 |

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JOB: HSR B-LA
 RUN: 2029wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
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JOB: HSR B-LA
 RUN: 2029WP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
RUN: 2029wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * X1 | LINK COORDINATES Y1 | (M) X2 | Y2 | * * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|--------|---------------------|--------|------|----------|------|-----------|-------|-------|
| A. Buena Vi NBA | * 7 | -150 | 7 | 0 | * AG | 1182 | 1.5 | 0.0 | 10.0 |
| B. Buena Vi NBD | * 7 | 0 | 7 | 150 | * AG | 1042 | 0.8 | 0.0 | 10.0 |
| C. Buena Vi NBL | * 5 | -150 | 0 | 0 | * AG | 100 | 2.1 | 0.0 | 10.0 |
| D. Buena Vi SBA | * -7 | 150 | -7 | 0 | * AG | 700 | 1.3 | 0.0 | 10.0 |
| E. Buena Vi SBD | * -7 | 0 | -7 | -150 | * AG | 926 | 0.8 | 0.0 | 10.0 |
| F. Buena Vi SBL | * -5 | 150 | 0 | 0 | * AG | 30 | 2.1 | 0.0 | 10.0 |
| G. Winona A EBA | * -150 | -4 | 0 | -4 | * AG | 336 | 2.2 | 0.0 | 10.0 |
| H. Winona A EBD | * 0 | -4 | 150 | -4 | * AG | 370 | 1.0 | 0.0 | 10.0 |
| I. Winona A EBL | * -150 | -2 | 0 | 0 | * AG | 90 | 2.1 | 0.0 | 10.0 |
| J. Winona A WBA | * 150 | 5 | 0 | 5 | * AG | 60 | 1.9 | 0.0 | 10.0 |
| K. Winona A WBD | * 0 | 5 | -150 | 5 | * AG | 320 | 1.0 | 0.0 | 10.0 |
| L. Winona A WBL | * 150 | 5 | 0 | 0 | * AG | 160 | 2.1 | 0.0 | 10.0 |
| M. Buena V NBAX | * 7 | -750 | 7 | -150 | * AG | 1282 | 0.7 | 0.0 | 10.0 |
| N. Buena V NBDX | * 7 | 150 | 7 | 750 | * AG | 1042 | 0.7 | 0.0 | 10.0 |
| O. Buena V SBAX | * -7 | 750 | -7 | 150 | * AG | 730 | 0.7 | 0.0 | 10.0 |
| P. Buena V SBDX | * -7 | -150 | -7 | -750 | * AG | 926 | 0.7 | 0.0 | 10.0 |
| Q. Winona EBAX | * -750 | -4 | -150 | -4 | * AG | 426 | 0.7 | 0.0 | 10.0 |
| R. Winona EBDX | * 150 | -4 | 750 | -4 | * AG | 370 | 0.7 | 0.0 | 10.0 |
| S. Winona WBAX | * 750 | 5 | 150 | 5 | * AG | 220 | 0.7 | 0.0 | 10.0 |
| T. Winona WBDX | * -150 | 5 | -750 | 5 | * AG | 320 | 0.7 | 0.0 | 10.0 |

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JOB: HSR B-LA
RUN: 2029wP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
RUN: 2029wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK | COORDINATES (M) | | | | * | | EF | H | W |
|-----------------|---|------|-----------------|------|------|--------|------|--------|-----|------|---|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) | |
| A. I-5 NB R NBA | * | 5 | -150 | 5 | 0 | * AG | 436 | 2.2 | 0.0 | 10.0 | |
| B. I-5 NB R NBD | * | 5 | 0 | 5 | 150 | * AG | 1064 | 2.2 | 0.0 | 10.0 | |
| C. I-5 NB R NBL | * | 5 | -150 | 0 | 0 | * AG | 184 | 2.1 | 0.0 | 10.0 | |
| D. I-5 NB R SBA | * | -2 | 150 | -2 | 0 | * AG | 929 | 2.2 | 0.0 | 10.0 | |
| E. I-5 NB R SBD | * | -2 | 0 | -2 | -150 | * AG | 1287 | 2.2 | 0.0 | 10.0 | |
| F. I-5 NB R SBL | * | -2 | 150 | 0 | 0 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| G. San Fern EBA | * | -150 | -4 | 0 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| H. San Fern EBD | * | 0 | -4 | 150 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| I. San Fern EBL | * | -150 | -2 | 0 | 0 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| J. San Fern WBA | * | 150 | 7 | 0 | 7 | * AG | 628 | 1.4 | 0.0 | 10.0 | |
| K. San Fern WBD | * | 0 | 7 | -150 | 7 | * AG | 399 | 0.7 | 0.0 | 10.0 | |
| L. San Fern WBL | * | 150 | 5 | 0 | 0 | * AG | 573 | 2.2 | 0.0 | 10.0 | |
| M. I-5 NB NBAX | * | 5 | -750 | 5 | -150 | * AG | 620 | 0.7 | 0.0 | 10.0 | |
| N. I-5 NB NBDX | * | 5 | 150 | 5 | 750 | * AG | 1064 | 0.7 | 0.0 | 10.0 | |
| O. I-5 NB SBAX | * | -2 | 750 | -2 | 150 | * AG | 929 | 0.7 | 0.0 | 10.0 | |
| P. I-5 NB SBDX | * | -2 | -150 | -2 | -750 | * AG | 1287 | 0.7 | 0.0 | 10.0 | |
| Q. San Fer EBAX | * | -750 | -4 | -150 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| R. San Fer EBDX | * | 150 | -4 | 750 | -4 | * AG | 0 | 0.7 | 0.0 | 10.0 | |
| S. San Fer WBAX | * | 750 | 7 | 150 | 7 | * AG | 1201 | 0.7 | 0.0 | 10.0 | |
| T. San Fer WBDX | * | -150 | 7 | -750 | 7 | * AG | 399 | 0.7 | 0.0 | 10.0 | |

JOB: HSR B-LA
RUN: 2029wP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | * | EF | H | W |
|-----------------|---|----------------------|--------|----------|-----|------|
| DESCRIPTION | * | X1 Y1 X2 Y2 | * TYPE | (G/MI) | (M) | (M) |
| A. CA-170 S NBA | * | 2 -150 2 0 | * AG | 380 2.2 | 0.0 | 10.0 |
| B. CA-170 S NBD | * | 2 0 2 150 | * AG | 359 1.0 | 0.0 | 10.0 |
| C. CA-170 S NBL | * | 2 -150 0 0 | * AG | 0 0.7 | 0.0 | 10.0 |
| D. CA-170 S SBA | * | -2 150 -2 0 | * AG | 250 2.2 | 0.0 | 10.0 |
| E. CA-170 S SBD | * | -2 0 -2 -150 | * AG | 880 2.2 | 0.0 | 10.0 |
| F. CA-170 S SBL | * | -2 150 0 0 | * AG | 0 0.7 | 0.0 | 10.0 |
| G. Victory EBA | * | -150 -5 0 -5 | * AG | 2593 2.2 | 0.0 | 13.5 |
| H. Victory EBD | * | 0 -5 150 -5 | * AG | 2093 0.8 | 0.0 | 11.8 |
| I. Victory EBL | * | -150 -2 0 0 | * AG | 0 0.7 | 0.0 | 10.0 |
| J. Victory WBA | * | 150 5 0 5 | * AG | 2402 2.2 | 0.0 | 13.5 |
| K. Victory WBD | * | 0 5 -150 5 | * AG | 2293 0.9 | 0.0 | 11.8 |
| L. Victory WBL | * | 150 2 0 0 | * AG | 0 0.7 | 0.0 | 10.0 |
| M. CA-170 NBAX | * | 2 -750 2 -150 | * AG | 380 0.7 | 0.0 | 10.0 |
| N. CA-170 NBDX | * | 2 150 2 750 | * AG | 359 0.7 | 0.0 | 10.0 |
| O. CA-170 SBAX | * | -2 750 -2 150 | * AG | 250 0.7 | 0.0 | 10.0 |
| P. CA-170 SBDX | * | -2 -150 -2 -750 | * AG | 880 0.7 | 0.0 | 10.0 |
| Q. Victory EBAX | * | -750 -5 -150 -5 | * AG | 2593 0.7 | 0.0 | 13.5 |
| R. Victory EBDX | * | 150 -5 750 -5 | * AG | 2093 0.7 | 0.0 | 11.8 |
| S. Victory WBAX | * | 750 5 150 5 | * AG | 2402 0.7 | 0.0 | 13.5 |
| T. Victory WBDX | * | -150 5 -750 5 | * AG | 2293 0.7 | 0.0 | 11.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2029wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S
 BRG= WORST CASE
 CLAS= 7 (G)
 MIXH= 1000. M
 SIGTH= 10. DEGREES

Z0= 100. CM
 VD= 0.0 CM/S
 VS= 0.0 CM/S
 AMB= 0.0 PPM
 TEMP= 10.0 DEGREE (C)

ALT= 152. (M)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | EF | H | W |
|-----------------|---|----------------------|------|------|------|--------|------|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. Laurel C NBA | * | 9 | -150 | 9 | 0 | * AG | 1000 | 1.5 | 0.0 | 13.5 |
| B. Laurel C NBD | * | 9 | 0 | 9 | 150 | * AG | 1210 | 0.7 | 0.0 | 10.0 |
| C. Laurel C NBL | * | 5 | -150 | 0 | 0 | * AG | 320 | 1.9 | 0.0 | 10.0 |
| D. Laurel C SBA | * | -9 | 150 | -9 | 0 | * AG | 810 | 1.5 | 0.0 | 13.5 |
| E. Laurel C SBD | * | -9 | 0 | -9 | -150 | * AG | 990 | 0.6 | 0.0 | 10.0 |
| F. Laurel C SBL | * | -5 | 150 | 0 | 0 | * AG | 90 | 1.9 | 0.0 | 10.0 |
| G. Sherman EBA | * | -150 | -9 | 0 | -9 | * AG | 1430 | 1.9 | 0.0 | 13.5 |
| H. Sherman EBD | * | 0 | -9 | 150 | -9 | * AG | 1320 | 0.7 | 0.0 | 10.0 |
| I. Sherman EBL | * | -150 | -5 | 0 | 0 | * AG | 280 | 1.9 | 0.0 | 10.0 |
| J. Sherman WBA | * | 150 | 9 | 0 | 9 | * AG | 1210 | 1.9 | 0.0 | 13.5 |
| K. Sherman WBD | * | 0 | 9 | -150 | 9 | * AG | 1760 | 1.5 | 0.0 | 10.0 |
| L. Sherman WBL | * | 150 | 5 | 0 | 0 | * AG | 140 | 1.9 | 0.0 | 10.0 |
| M. Laurel NBAX | * | 9 | -750 | 9 | -150 | * AG | 1320 | 0.5 | 0.0 | 13.5 |
| N. Laurel NBDX | * | 9 | 150 | 9 | 750 | * AG | 1210 | 0.5 | 0.0 | 10.0 |
| O. Laurel SBAX | * | -9 | 750 | -9 | 150 | * AG | 900 | 0.5 | 0.0 | 13.5 |
| P. Laurel SBDX | * | -9 | -150 | -9 | -750 | * AG | 990 | 0.5 | 0.0 | 10.0 |
| Q. Sherman EBAX | * | -750 | -9 | -150 | -9 | * AG | 1710 | 0.5 | 0.0 | 13.5 |
| R. Sherman EBDX | * | 150 | -9 | 750 | -9 | * AG | 1320 | 0.5 | 0.0 | 10.0 |
| S. Sherman WBAX | * | 750 | 9 | 150 | 9 | * AG | 1350 | 0.5 | 0.0 | 13.5 |
| T. Sherman WBDX | * | -150 | 9 | -750 | 9 | * AG | 1760 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040nP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * LINK | COORDINATES (M) | * EF | H | W | | | | | |
|-------------|--------------|-----------------|------|------|--------|------|--------|-----|-----|------|
| DESCRIPTION | * X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) | |
| A. | Hollywoo NBA | * 5 | -150 | 5 | 0 | * AG | 2000 | 1.9 | 0.0 | 13.5 |
| B. | Hollywoo NBD | * 5 | 0 | 5 | 150 | * AG | 1740 | 0.8 | 0.0 | 10.0 |
| C. | Hollywoo NBL | * 2 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| D. | Hollywoo SBA | * -7 | 150 | -7 | 0 | * AG | 568 | 1.1 | 0.0 | 10.0 |
| E. | Hollywoo SBD | * -7 | 0 | -7 | -150 | * AG | 1210 | 0.6 | 0.0 | 10.0 |
| F. | Hollywoo SBL | * -5 | 150 | 0 | 0 | * AG | 60 | 1.9 | 0.0 | 10.0 |
| G. | I-5 SB R EBA | * -150 | -5 | 0 | -5 | * AG | 652 | 1.9 | 0.0 | 10.0 |
| H. | I-5 SB R EBD | * 0 | -5 | 150 | -5 | * AG | 360 | 0.8 | 0.0 | 10.0 |
| I. | I-5 SB R EBL | * -150 | -5 | 0 | 0 | * AG | 30 | 1.9 | 0.0 | 10.0 |
| J. | I-5 SB R WBA | * 150 | 0 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| K. | I-5 SB R WBD | * 0 | 0 | -150 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| L. | I-5 SB R WBL | * 150 | 2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| M. | Hollywo NBAX | * 5 | -750 | 5 | -150 | * AG | 2000 | 0.5 | 0.0 | 13.5 |
| N. | Hollywo NBDX | * 5 | 150 | 5 | 750 | * AG | 1740 | 0.5 | 0.0 | 10.0 |
| O. | Hollywo SBAX | * -7 | 750 | -7 | 150 | * AG | 628 | 0.5 | 0.0 | 10.0 |
| P. | Hollywo SBDX | * -7 | -150 | -7 | -750 | * AG | 1210 | 0.5 | 0.0 | 10.0 |
| Q. | I-5 SB EBAX | * -750 | -5 | -150 | -5 | * AG | 682 | 0.5 | 0.0 | 10.0 |
| R. | I-5 SB EBDX | * 150 | -5 | 750 | -5 | * AG | 360 | 0.5 | 0.0 | 10.0 |
| S. | I-5 SB WBAX | * 750 | 0 | 150 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| T. | I-5 SB WBDX | * -150 | 0 | -750 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040nP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | | | | * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-------|----------------------|------|------|------|-------|------|-----|-----------|-------|-------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. San Fern NBA | * | 0 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| B. San Fern NBD | * | 0 | 0 | 0 | 150 | * AG | 580 | 0.7 | 0.0 | 10.0 | |
| C. San Fern NBL | * | 2 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| D. San Fern SBA | * | -2 | 150 | -2 | 0 | * AG | 30 | 1.7 | 0.0 | 10.0 | |
| E. San Fern SBD | * | -2 | 0 | -2 | -150 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| F. San Fern SBL | * | -2 | 150 | 0 | 0 | * AG | 256 | 1.9 | 0.0 | 10.0 | |
| G. I-5 SB R EBA | * | -150 | -4 | 0 | -4 | * AG | 160 | 0.9 | 0.0 | 10.0 | |
| H. I-5 SB R EBD | * | 0 | -4 | 150 | -4 | * AG | 416 | 0.5 | 0.0 | 10.0 | |
| I. I-5 SB R EBL | * | -150 | -2 | 0 | 0 | * AG | 350 | 1.9 | 0.0 | 10.0 | |
| J. I-5 SB R WBA | * | 150 | 2 | 0 | 2 | * AG | 330 | 1.5 | 0.0 | 10.0 | |
| K. I-5 SB R WBD | * | 0 | 2 | -150 | 2 | * AG | 130 | 0.5 | 0.0 | 10.0 | |
| L. I-5 SB R WBL | * | 150 | 2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| M. San Fer NBAX | * | 0 | -750 | 0 | -150 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| N. San Fer NBDX | * | 0 | 150 | 0 | 750 | * AG | 580 | 0.5 | 0.0 | 10.0 | |
| O. San Fer SBAX | * | -2 | 750 | -2 | 150 | * AG | 286 | 0.5 | 0.0 | 10.0 | |
| P. San Fer SBDX | * | -2 | -150 | -2 | -750 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| Q. I-5 SB EBAX | * | -750 | -4 | -150 | -4 | * AG | 510 | 0.5 | 0.0 | 10.0 | |
| R. I-5 SB EBDX | * | 150 | -4 | 750 | -4 | * AG | 416 | 0.5 | 0.0 | 10.0 | |
| S. I-5 SB WBAX | * | 750 | 2 | 150 | 2 | * AG | 330 | 0.5 | 0.0 | 10.0 | |
| T. I-5 SB WBDX | * | -150 | 2 | -750 | 2 | * AG | 130 | 0.5 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2040nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | EF | H | W |
|-----------------|---|----------------------|------|------|------|--------|------|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. Buena Vi NBA | * | 7 | -150 | 7 | 0 | * AG | 1244 | 1.5 | 0.0 | 10.0 |
| B. Buena Vi NBD | * | 7 | 0 | 7 | 150 | * AG | 1094 | 0.6 | 0.0 | 10.0 |
| C. Buena Vi NBL | * | 5 | -150 | 0 | 0 | * AG | 100 | 1.9 | 0.0 | 10.0 |
| D. Buena Vi SBA | * | -7 | 150 | -7 | 0 | * AG | 760 | 1.2 | 0.0 | 10.0 |
| E. Buena Vi SBD | * | -7 | 0 | -7 | -150 | * AG | 986 | 0.6 | 0.0 | 10.0 |
| F. Buena Vi SBL | * | -5 | 150 | 0 | 0 | * AG | 30 | 1.9 | 0.0 | 10.0 |
| G. Winona A EBA | * | -150 | -4 | 0 | -4 | * AG | 336 | 1.9 | 0.0 | 10.0 |
| H. Winona A EBD | * | 0 | -4 | 150 | -4 | * AG | 380 | 0.8 | 0.0 | 10.0 |
| I. Winona A EBL | * | -150 | -2 | 0 | 0 | * AG | 90 | 1.9 | 0.0 | 10.0 |
| J. Winona A WBA | * | 150 | 5 | 0 | 5 | * AG | 60 | 1.7 | 0.0 | 10.0 |
| K. Winona A WBD | * | 0 | 5 | -150 | 5 | * AG | 320 | 0.8 | 0.0 | 10.0 |
| L. Winona A WBL | * | 150 | 5 | 0 | 0 | * AG | 160 | 1.9 | 0.0 | 10.0 |
| M. Buena V NBAX | * | 7 | -750 | 7 | -150 | * AG | 1344 | 0.5 | 0.0 | 10.0 |
| N. Buena V NBDX | * | 7 | 150 | 7 | 750 | * AG | 1094 | 0.5 | 0.0 | 10.0 |
| O. Buena V SBAX | * | -7 | 750 | -7 | 150 | * AG | 790 | 0.5 | 0.0 | 10.0 |
| P. Buena V SBDX | * | -7 | -150 | -7 | -750 | * AG | 986 | 0.5 | 0.0 | 10.0 |
| Q. Winona EBAX | * | -750 | -4 | -150 | -4 | * AG | 426 | 0.5 | 0.0 | 10.0 |
| R. Winona EBDX | * | 150 | -4 | 750 | -4 | * AG | 380 | 0.5 | 0.0 | 10.0 |
| S. Winona WBAX | * | 750 | 5 | 150 | 5 | * AG | 220 | 0.5 | 0.0 | 10.0 |
| T. Winona WBDX | * | -150 | 5 | -750 | 5 | * AG | 320 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA
RUN: 2040nP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|--------|----------------------|------|------|------|--------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. I-5 NB R NBA | * | 5 | -150 | 5 | 0 | * AG | 437 | 1.9 | 0.0 | 10.0 | |
| B. I-5 NB R NBD | * | 5 | 0 | 5 | 150 | * AG | 1078 | 1.9 | 0.0 | 10.0 | |
| C. I-5 NB R NBL | * | 5 | -150 | 0 | 0 | * AG | 183 | 1.9 | 0.0 | 10.0 | |
| D. I-5 NB R SBA | * | -2 | 150 | -2 | 0 | * AG | 858 | 1.9 | 0.0 | 10.0 | |
| E. I-5 NB R SBD | * | -2 | 0 | -2 | -150 | * AG | 1279 | 1.9 | 0.0 | 10.0 | |
| F. I-5 NB R SBL | * | -2 | 150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| G. San Fern EBA | * | -150 | -4 | 0 | -4 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| H. San Fern EBD | * | 0 | -4 | 150 | -4 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| I. San Fern EBL | * | -150 | -2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| J. San Fern WBA | * | 150 | 7 | 0 | 7 | * AG | 641 | 1.3 | 0.0 | 10.0 | |
| K. San Fern WBD | * | 0 | 7 | -150 | 7 | * AG | 337 | 0.6 | 0.0 | 10.0 | |
| L. San Fern WBL | * | 150 | 5 | 0 | 0 | * AG | 575 | 1.9 | 0.0 | 10.0 | |
| M. I-5 NB NBAX | * | 5 | -750 | 5 | -150 | * AG | 620 | 0.5 | 0.0 | 10.0 | |
| N. I-5 NB NBDX | * | 5 | 150 | 5 | 750 | * AG | 1078 | 0.5 | 0.0 | 10.0 | |
| O. I-5 NB SBAX | * | -2 | 750 | -2 | 150 | * AG | 858 | 0.5 | 0.0 | 10.0 | |
| P. I-5 NB SBDX | * | -2 | -150 | -2 | -750 | * AG | 1279 | 0.5 | 0.0 | 10.0 | |
| Q. San Fer EBAX | * | -750 | -4 | -150 | -4 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| R. San Fer EBDX | * | 150 | -4 | 750 | -4 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| S. San Fer WBAX | * | 750 | 7 | 150 | 7 | * AG | 1216 | 0.5 | 0.0 | 10.0 | |
| T. San Fer WBDX | * | -150 | 7 | -750 | 7 | * AG | 337 | 0.5 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040nP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | | | | * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|----------|----------------------|------|------|------|----------|------|-----|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. CA-170 S NBA | * | 2 | -150 | 2 | 0 | * AG | 380 | 1.9 | 0.0 | 10.0 | |
| B. CA-170 S NBD | * | 2 | 0 | 2 | 150 | * AG | 300 | 0.6 | 0.0 | 10.0 | |
| C. CA-170 S NBL | * | 2 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| D. CA-170 S SBA | * | -2 | 150 | -2 | 0 | * AG | 250 | 1.9 | 0.0 | 10.0 | |
| E. CA-170 S SBD | * | -2 | 0 | -2 | -150 | * AG | 880 | 1.9 | 0.0 | 10.0 | |
| F. CA-170 S SBL | * | -2 | 150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| G. Victory EBA | * | -150 | -5 | 0 | -5 | * AG | 2570 | 1.9 | 0.0 | 13.5 | |
| H. Victory EBD | * | 0 | -5 | 150 | -5 | * AG | 2070 | 0.6 | 0.0 | 11.8 | |
| I. Victory EBL | * | -150 | -2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| J. Victory WBA | * | 150 | 5 | 0 | 5 | * AG | 2300 | 1.7 | 0.0 | 13.5 | |
| K. Victory WBD | * | 0 | 5 | -150 | 5 | * AG | 2250 | 0.7 | 0.0 | 11.8 | |
| L. Victory WBL | * | 150 | 2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 | |
| M. CA-170 NBAX | * | 2 | -750 | 2 | -150 | * AG | 380 | 0.5 | 0.0 | 10.0 | |
| N. CA-170 NBDX | * | 2 | 150 | 2 | 750 | * AG | 300 | 0.5 | 0.0 | 10.0 | |
| O. CA-170 SBAX | * | -2 | 750 | -2 | 150 | * AG | 250 | 0.5 | 0.0 | 10.0 | |
| P. CA-170 SBDX | * | -2 | -150 | -2 | -750 | * AG | 880 | 0.5 | 0.0 | 10.0 | |
| Q. Victory EBAX | * | -750 | -5 | -150 | -5 | * AG | 2570 | 0.5 | 0.0 | 13.5 | |
| R. Victory EBDX | * | 150 | -5 | 750 | -5 | * AG | 2070 | 0.5 | 0.0 | 11.8 | |
| S. Victory WBAX | * | 750 | 5 | 150 | 5 | * AG | 2300 | 0.5 | 0.0 | 13.5 | |
| T. Victory WBDX | * | -150 | 5 | -750 | 5 | * AG | 2250 | 0.5 | 0.0 | 11.8 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040nP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040nP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

JOB: HSR B-LA
 RUN: 2040wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * | LINK COORDINATES (M) | | | | * | * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|---|----------------------|------|------|------|---|--------|------|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. Laurel C NBA | * | 9 | -150 | 9 | 0 | * | AG | 1000 | 1.5 | 0.0 | 13.5 |
| B. Laurel C NBD | * | 9 | 0 | 9 | 150 | * | AG | 1210 | 0.7 | 0.0 | 10.0 |
| C. Laurel C NBL | * | 5 | -150 | 0 | 0 | * | AG | 320 | 1.9 | 0.0 | 10.0 |
| D. Laurel C SBA | * | -9 | 150 | -9 | 0 | * | AG | 810 | 1.5 | 0.0 | 13.5 |
| E. Laurel C SBD | * | -9 | 0 | -9 | -150 | * | AG | 990 | 0.6 | 0.0 | 10.0 |
| F. Laurel C SBL | * | -5 | 150 | 0 | 0 | * | AG | 90 | 1.9 | 0.0 | 10.0 |
| G. Sherman EBA | * | -150 | -9 | 0 | -9 | * | AG | 1446 | 1.9 | 0.0 | 13.5 |
| H. Sherman EBD | * | 0 | -9 | 150 | -9 | * | AG | 1336 | 0.7 | 0.0 | 10.0 |
| I. Sherman EBL | * | -150 | -5 | 0 | 0 | * | AG | 280 | 1.9 | 0.0 | 10.0 |
| J. Sherman WBA | * | 150 | 9 | 0 | 9 | * | AG | 1226 | 1.9 | 0.0 | 13.5 |
| K. Sherman WBD | * | 0 | 9 | -150 | 9 | * | AG | 1776 | 1.5 | 0.0 | 10.0 |
| L. Sherman WBL | * | 150 | 5 | 0 | 0 | * | AG | 140 | 1.9 | 0.0 | 10.0 |
| M. Laurel NBAX | * | 9 | -750 | 9 | -150 | * | AG | 1320 | 0.5 | 0.0 | 13.5 |
| N. Laurel NBDX | * | 9 | 150 | 9 | 750 | * | AG | 1210 | 0.5 | 0.0 | 10.0 |
| O. Laurel SBAX | * | -9 | 750 | -9 | 150 | * | AG | 900 | 0.5 | 0.0 | 13.5 |
| P. Laurel SBDX | * | -9 | -150 | -9 | -750 | * | AG | 990 | 0.5 | 0.0 | 10.0 |
| Q. Sherman EBAX | * | -750 | -9 | -150 | -9 | * | AG | 1726 | 0.5 | 0.0 | 13.5 |
| R. Sherman EBDX | * | 150 | -9 | 750 | -9 | * | AG | 1336 | 0.5 | 0.0 | 10.0 |
| S. Sherman WBAX | * | 750 | 9 | 150 | 9 | * | AG | 1366 | 0.5 | 0.0 | 13.5 |
| T. Sherman WBDX | * | -150 | 9 | -750 | 9 | * | AG | 1776 | 0.5 | 0.0 | 10.0 |

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JOB: HSR B-LA
 RUN: 2040wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040wP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * LINK | COORDINATES (M) | | | | * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|-------------|--------------|-----------------|------|------|--------|--------|------|-----------|-------|-------|
| DESCRIPTION | * X1 | Y1 | X2 | Y2 | * TYPE | | | | | |
| A. | Hollywoo NBA | 5 | -150 | 5 | 0 | * AG | 2222 | 1.9 | 0.0 | 13.5 |
| B. | Hollywoo NBD | 5 | 0 | 5 | 150 | * AG | 1923 | 1.1 | 0.0 | 10.0 |
| C. | Hollywoo NBL | 2 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| D. | Hollywoo SBA | -7 | 150 | -7 | 0 | * AG | 607 | 1.2 | 0.0 | 10.0 |
| E. | Hollywoo SBD | -7 | 0 | -7 | -150 | * AG | 1432 | 0.7 | 0.0 | 10.0 |
| F. | Hollywoo SBL | -5 | 150 | 0 | 0 | * AG | 60 | 1.9 | 0.0 | 10.0 |
| G. | I-5 SB R EBA | -150 | -5 | 0 | -5 | * AG | 835 | 1.9 | 0.0 | 10.0 |
| H. | I-5 SB R EBD | 0 | -5 | 150 | -5 | * AG | 399 | 0.8 | 0.0 | 10.0 |
| I. | I-5 SB R EBL | -150 | -5 | 0 | 0 | * AG | 30 | 1.9 | 0.0 | 10.0 |
| J. | I-5 SB R WBA | 150 | 0 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| K. | I-5 SB R WBD | 0 | 0 | -150 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| L. | I-5 SB R WBL | 150 | 2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| M. | Hollywo NBAX | 5 | -750 | 5 | -150 | * AG | 2222 | 0.5 | 0.0 | 13.5 |
| N. | Hollywo NBDX | 5 | 150 | 5 | 750 | * AG | 1923 | 0.5 | 0.0 | 10.0 |
| O. | Hollywo SBAX | -7 | 750 | -7 | 150 | * AG | 667 | 0.5 | 0.0 | 10.0 |
| P. | Hollywo SBDX | -7 | -150 | -7 | -750 | * AG | 1432 | 0.5 | 0.0 | 10.0 |
| Q. | I-5 SB EBAX | -750 | -5 | -150 | -5 | * AG | 865 | 0.5 | 0.0 | 10.0 |
| R. | I-5 SB EBDX | 150 | -5 | 750 | -5 | * AG | 399 | 0.5 | 0.0 | 10.0 |
| S. | I-5 SB WBAX | 750 | 0 | 150 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| T. | I-5 SB WBDX | -150 | 0 | -750 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|----------------------|-----------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | TYPE VPH | | | |
| A. San Fern NBA | * | 0 -150 0 0 | * AG 0 | 0.5 | 0.0 | 10.0 |
| B. San Fern NBD | * | 0 0 0 150 | * AG 580 | 0.7 | 0.0 | 10.0 |
| C. San Fern NBL | * | 2 -150 0 0 | * AG 0 | 0.5 | 0.0 | 10.0 |
| D. San Fern SBA | * | -2 150 -2 0 | * AG 30 | 1.7 | 0.0 | 10.0 |
| E. San Fern SBD | * | -2 0 -2 -150 | * AG 0 | 0.5 | 0.0 | 10.0 |
| F. San Fern SBL | * | -2 150 0 0 | * AG 256 | 1.9 | 0.0 | 10.0 |
| G. I-5 SB R EBA | * | -150 -4 0 -4 | * AG 160 | 0.9 | 0.0 | 10.0 |
| H. I-5 SB R EBD | * | 0 -4 150 -4 | * AG 416 | 0.5 | 0.0 | 10.0 |
| I. I-5 SB R EBL | * | -150 -2 0 0 | * AG 350 | 1.9 | 0.0 | 10.0 |
| J. I-5 SB R WBA | * | 150 2 0 2 | * AG 330 | 1.5 | 0.0 | 10.0 |
| K. I-5 SB R WBD | * | 0 2 -150 2 | * AG 130 | 0.5 | 0.0 | 10.0 |
| L. I-5 SB R WBL | * | 150 2 0 0 | * AG 0 | 0.5 | 0.0 | 10.0 |
| M. San Fer NBAX | * | 0 -750 0 -150 | * AG 0 | 0.5 | 0.0 | 10.0 |
| N. San Fer NBDX | * | 0 150 0 750 | * AG 580 | 0.5 | 0.0 | 10.0 |
| O. San Fer SBAX | * | -2 750 -2 150 | * AG 286 | 0.5 | 0.0 | 10.0 |
| P. San Fer SBDX | * | -2 -150 -2 -750 | * AG 0 | 0.5 | 0.0 | 10.0 |
| Q. I-5 SB EBAX | * | -750 -4 -150 -4 | * AG 510 | 0.5 | 0.0 | 10.0 |
| R. I-5 SB EBDX | * | 150 -4 750 -4 | * AG 416 | 0.5 | 0.0 | 10.0 |
| S. I-5 SB WBAX | * | 750 2 150 2 | * AG 330 | 0.5 | 0.0 | 10.0 |
| T. I-5 SB WBDX | * | -150 2 -750 2 | * AG 130 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040wP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|---------------------|--------|----------------------|------|------|------|--------|------|------|--------------|----------|----------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. Buena Vi NBA | * | 7 | -150 | 7 | 0 | * | AG | 1244 | 1.5 | 0.0 | 10.0 |
| B. Buena Vi NBD | * | 7 | 0 | 7 | 150 | * | AG | 1094 | 0.6 | 0.0 | 10.0 |
| C. Buena Vi NBL | * | 5 | -150 | 0 | 0 | * | AG | 100 | 1.9 | 0.0 | 10.0 |
| D. Buena Vi SBA | * | -7 | 150 | -7 | 0 | * | AG | 760 | 1.2 | 0.0 | 10.0 |
| E. Buena Vi SBD | * | -7 | 0 | -7 | -150 | * | AG | 986 | 0.6 | 0.0 | 10.0 |
| F. Buena Vi SBL | * | -5 | 150 | 0 | 0 | * | AG | 30 | 1.9 | 0.0 | 10.0 |
| G. Winona A EBA | * | -150 | -4 | 0 | -4 | * | AG | 336 | 1.9 | 0.0 | 10.0 |
| H. Winona A EBD | * | 0 | -4 | 150 | -4 | * | AG | 380 | 0.8 | 0.0 | 10.0 |
| I. Winona A EBL | * | -150 | -2 | 0 | 0 | * | AG | 90 | 1.9 | 0.0 | 10.0 |
| J. Winona A WBA | * | 150 | 5 | 0 | 5 | * | AG | 60 | 1.7 | 0.0 | 10.0 |
| K. Winona A WBD | * | 0 | 5 | -150 | 5 | * | AG | 320 | 0.8 | 0.0 | 10.0 |
| L. Winona A WBL | * | 150 | 5 | 0 | 0 | * | AG | 160 | 1.9 | 0.0 | 10.0 |
| M. Buena V NBAX | * | 7 | -750 | 7 | -150 | * | AG | 1344 | 0.5 | 0.0 | 10.0 |
| N. Buena V NBDX | * | 7 | 150 | 7 | 750 | * | AG | 1094 | 0.5 | 0.0 | 10.0 |
| O. Buena V SBAX | * | -7 | 750 | -7 | 150 | * | AG | 790 | 0.5 | 0.0 | 10.0 |
| P. Buena V SBDX | * | -7 | -150 | -7 | -750 | * | AG | 986 | 0.5 | 0.0 | 10.0 |
| Q. Winona EBAX | * | -750 | -4 | -150 | -4 | * | AG | 426 | 0.5 | 0.0 | 10.0 |
| R. Winona EBDX | * | 150 | -4 | 750 | -4 | * | AG | 380 | 0.5 | 0.0 | 10.0 |
| S. Winona WBAX | * | 750 | 5 | 150 | 5 | * | AG | 220 | 0.5 | 0.0 | 10.0 |
| T. Winona WBDX | * | -150 | 5 | -750 | 5 | * | AG | 320 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040wP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * X1 | LINK COORDINATES Y1 | (M) X2 | * * Y2 | * * TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|----------|---------------------|--------|--------|----------|------|-----------|-------|-------|
| A. I-5 NB R NBA | * * 5 | -150 | 5 | 0 | * * AG | 437 | 1.9 | 0.0 | 10.0 |
| B. I-5 NB R NBD | * * 5 | 0 | 5 | 150 | * * AG | 1078 | 1.9 | 0.0 | 10.0 |
| C. I-5 NB R NBL | * * 5 | -150 | 0 | 0 | * * AG | 183 | 1.9 | 0.0 | 10.0 |
| D. I-5 NB R SBA | * * -2 | 150 | -2 | 0 | * * AG | 858 | 1.9 | 0.0 | 10.0 |
| E. I-5 NB R SBD | * * -2 | 0 | -2 | -150 | * * AG | 1286 | 1.9 | 0.0 | 10.0 |
| F. I-5 NB R SBL | * * -2 | 150 | 0 | 0 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| G. San Fern EBA | * * -150 | -4 | 0 | -4 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| H. San Fern EBD | * * 0 | -4 | 150 | -4 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| I. San Fern EBL | * * -150 | -2 | 0 | 0 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| J. San Fern WBA | * * 150 | 7 | 0 | 7 | * * AG | 641 | 1.3 | 0.0 | 10.0 |
| K. San Fern WBD | * * 0 | 7 | -150 | 7 | * * AG | 337 | 0.6 | 0.0 | 10.0 |
| L. San Fern WBL | * * 150 | 5 | 0 | 0 | * * AG | 582 | 1.9 | 0.0 | 10.0 |
| M. I-5 NB NBAX | * * 5 | -750 | 5 | -150 | * * AG | 620 | 0.5 | 0.0 | 10.0 |
| N. I-5 NB NBDX | * * 5 | 150 | 5 | 750 | * * AG | 1078 | 0.5 | 0.0 | 10.0 |
| O. I-5 NB SBAX | * * -2 | 750 | -2 | 150 | * * AG | 858 | 0.5 | 0.0 | 10.0 |
| P. I-5 NB SBDX | * * -2 | -150 | -2 | -750 | * * AG | 1286 | 0.5 | 0.0 | 10.0 |
| Q. San Fer EBAX | * * -750 | -4 | -150 | -4 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| R. San Fer EBDX | * * 150 | -4 | 750 | -4 | * * AG | 0 | 0.5 | 0.0 | 10.0 |
| S. San Fer WBAX | * * 750 | 7 | 150 | 7 | * * AG | 1223 | 0.5 | 0.0 | 10.0 |
| T. San Fer WBDX | * * -150 | 7 | -750 | 7 | * * AG | 337 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK COORDINATES (M) | | | | * | | EF | H | W |
|-------------|----------------|----------------------|------|------|------|--------|------|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. | CA-170 S NBA * | 2 | -150 | 2 | 0 | * AG | 380 | 1.9 | 0.0 | 10.0 |
| B. | CA-170 S NBD * | 2 | 0 | 2 | 150 | * AG | 424 | 1.5 | 0.0 | 10.0 |
| C. | CA-170 S NBL * | 2 | -150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| D. | CA-170 S SBA * | -2 | 150 | -2 | 0 | * AG | 250 | 1.9 | 0.0 | 10.0 |
| E. | CA-170 S SBD * | -2 | 0 | -2 | -150 | * AG | 880 | 1.9 | 0.0 | 10.0 |
| F. | CA-170 S SBL * | -2 | 150 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| G. | Victory EBA * | -150 | -5 | 0 | -5 | * AG | 2576 | 1.9 | 0.0 | 13.5 |
| H. | Victory EBD * | 0 | -5 | 150 | -5 | * AG | 2076 | 0.6 | 0.0 | 11.8 |
| I. | Victory EBL * | -150 | -2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| J. | Victory WBA * | 150 | 5 | 0 | 5 | * AG | 2430 | 1.9 | 0.0 | 13.5 |
| K. | Victory WBD * | 0 | 5 | -150 | 5 | * AG | 2256 | 0.7 | 0.0 | 11.8 |
| L. | Victory WBL * | 150 | 2 | 0 | 0 | * AG | 0 | 0.5 | 0.0 | 10.0 |
| M. | CA-170 NBAX * | 2 | -750 | 2 | -150 | * AG | 380 | 0.5 | 0.0 | 10.0 |
| N. | CA-170 NBDX * | 2 | 150 | 2 | 750 | * AG | 424 | 0.5 | 0.0 | 10.0 |
| O. | CA-170 SBAX * | -2 | 750 | -2 | 150 | * AG | 250 | 0.5 | 0.0 | 10.0 |
| P. | CA-170 SBDX * | -2 | -150 | -2 | -750 | * AG | 880 | 0.5 | 0.0 | 10.0 |
| Q. | Victory EBAX * | -750 | -5 | -150 | -5 | * AG | 2576 | 0.5 | 0.0 | 13.5 |
| R. | Victory EBDX * | 150 | -5 | 750 | -5 | * AG | 2076 | 0.5 | 0.0 | 11.8 |
| S. | Victory WBAX * | 750 | 5 | 150 | 5 | * AG | 2430 | 0.5 | 0.0 | 13.5 |
| T. | Victory WBDX * | -150 | 5 | -750 | 5 | * AG | 2256 | 0.5 | 0.0 | 11.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA
 RUN: 2040wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040wP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.2 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2015-01.1st

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK | * | LINK | COORDINATES | (M) | * | | | EF | H | W |
|-----------------|---|------|-------------|------|------|--------|------|--------|-----|------|
| DESCRIPTION | * | X1 | Y1 | X2 | Y2 | * TYPE | VPH | (G/MI) | (M) | (M) |
| A. SR-134 E NBA | * | 7 | -150 | 7 | 0 | * AG | 145 | 3.4 | 0.0 | 10.0 |
| B. SR-134 E NBD | * | 7 | 0 | 7 | 150 | * AG | 1242 | 4.3 | 0.0 | 10.0 |
| C. SR-134 E NBL | * | 5 | -150 | 0 | 0 | * AG | 6 | 4.5 | 0.0 | 10.0 |
| D. SR-134 E SBA | * | -7 | 150 | -7 | 0 | * AG | 242 | 3.5 | 0.0 | 10.0 |
| E. SR-134 E SBD | * | -7 | 0 | -7 | -150 | * AG | 56 | 2.1 | 0.0 | 10.0 |
| F. SR-134 E SBL | * | -5 | 150 | 0 | 0 | * AG | 168 | 4.5 | 0.0 | 10.0 |
| G. Doran St EBA | * | -150 | -11 | 0 | -11 | * AG | 145 | 3.4 | 0.0 | 10.0 |
| H. Doran St EBD | * | 0 | -11 | 150 | -11 | * AG | 312 | 2.2 | 0.0 | 10.0 |
| I. Doran St EBL | * | -150 | -9 | 0 | 0 | * AG | 566 | 4.6 | 0.0 | 10.0 |
| J. Doran St WBA | * | 150 | 7 | 0 | 7 | * AG | 639 | 4.5 | 0.0 | 10.0 |
| K. Doran St WBD | * | 0 | 7 | -150 | 7 | * AG | 310 | 2.2 | 0.0 | 10.0 |
| L. Doran St WBL | * | 150 | 5 | 0 | 0 | * AG | 9 | 4.5 | 0.0 | 10.0 |
| M. SR-134 NBAX | * | 7 | -750 | 7 | -150 | * AG | 151 | 1.9 | 0.0 | 10.0 |
| N. SR-134 NBDX | * | 7 | 150 | 7 | 750 | * AG | 1242 | 1.9 | 0.0 | 10.0 |
| O. SR-134 SBAX | * | -7 | 750 | -7 | 150 | * AG | 410 | 1.9 | 0.0 | 10.0 |
| P. SR-134 SBDX | * | -7 | -150 | -7 | -750 | * AG | 56 | 1.9 | 0.0 | 10.0 |
| Q. Doran S EBAX | * | -750 | -11 | -150 | -11 | * AG | 711 | 1.9 | 0.0 | 10.0 |
| R. Doran S EBDX | * | 150 | -11 | 750 | -11 | * AG | 312 | 1.9 | 0.0 | 10.0 |
| S. Doran S WBAX | * | 750 | 7 | 150 | 7 | * AG | 648 | 1.9 | 0.0 | 10.0 |
| T. Doran S WBDX | * | -150 | 7 | -750 | 7 | * AG | 310 | 1.9 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA

2015-01.1st
(WORST CASE ANGLE)

RUN: 2015-01
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|-------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 14 | -17 | 1.8 |
| 2. NW | * | -14 | 14 | 1.8 |
| 3. SW | * | -14 | -17 | 1.8 |
| 4. NE | * | 14 | 14 | 1.8 |
| 5. ES mdbl | * | 150 | -17 | 1.8 |
| 6. WN mdbl | * | -150 | 14 | 1.8 |
| 7. WS mdbl | * | -150 | -17 | 1.8 |
| 8. EN mdbl | * | 150 | 14 | 1.8 |
| 9. SE mdbl | * | 14 | -150 | 1.8 |
| 10. NW mdbl | * | -14 | 150 | 1.8 |
| 11. SW mdbl | * | -14 | -150 | 1.8 |
| 12. NE mdbl | * | 14 | 150 | 1.8 |
| 13. ES blk | * | 600 | -17 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 14 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 14 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2015-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | * | CONC/LINK (PPM) | | | | | | | |
|-------------|---|--------------|-----------------------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 353. | * 0.9 | * | 0.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2. NW | * | 97. | * 0.7 | * | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 11. | * 0.6 | * | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 4. NE | * | 351. | * 0.9 | * | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 5. ES mdbl | * | 280. | * 0.4 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdbl | * | 96. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 79. | * 0.6 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 8. EN mdbl | * | 263. | * 0.6 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 357. | * 0.4 | * | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 166. | * 0.6 | * | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |

2015-01.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 5. | * | 0.3 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 191. | * | 0.9 | * | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 277. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 265. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 357. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 3. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | | |
| 1. | SE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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2015-02.1st

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGHT= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) | | |
|------------------|-----------|----------------------|-----------|------|------|-----------|-------|-------|-----|------|
| | | X1 | Y1 | X2 | Y2 | | | | | |
| A. Glendale NBA | * * * * * | 11 | -150 | 11 | 0 | AG | 30 | 3.0 | 0.0 | 17.0 |
| B. Glendale NBD | * * * * * | 11 | 0 | 11 | 150 | AG | 455 | 2.0 | 0.0 | 13.5 |
| C. Glendale NBL | * * * * * | 5 | -150 | 0 | 0 | AG | 345 | 4.6 | 0.0 | 10.0 |
| D. Glendale SBA | * * * * * | -11 | 150 | -11 | 0 | AG | 293 | 3.0 | 0.0 | 17.0 |
| E. Glendale SBD | * * * * * | -11 | 0 | -11 | -150 | AG | 42 | 2.0 | 0.0 | 13.5 |
| F. Glendale SBL | * * * * * | -5 | 150 | 0 | 0 | AG | 17 | 4.5 | 0.0 | 10.0 |
| G. Glenfeli EBA | * * * * * | -150 | -7 | 0 | -7 | AG | 1061 | 4.6 | 0.0 | 10.0 |
| H. Glenfeli EBD | * * * * * | 0 | -7 | 150 | -7 | AG | 1074 | 4.6 | 0.0 | 10.0 |
| I. Glenfeli EBL | * * * * * | -150 | -5 | 0 | 0 | AG | 387 | 4.6 | 0.0 | 10.0 |
| J. Glenfeli WBA | * * * * * | 150 | 7 | 0 | 7 | AG | 1774 | 4.6 | 0.0 | 10.0 |
| K. Glenfeli WBD | * * * * * | 0 | 7 | -150 | 7 | AG | 2337 | 4.6 | 0.0 | 10.0 |
| L. Glenfeli WBL | * * * * * | 150 | 5 | 0 | 0 | AG | 1 | 4.5 | 0.0 | 10.0 |
| M. Glenda NBAX | * * * * * | 11 | -750 | 11 | -150 | AG | 375 | 1.9 | 0.0 | 17.0 |
| N. Glenda NBDX | * * * * * | 11 | 150 | 11 | 750 | AG | 455 | 1.9 | 0.0 | 13.5 |
| O. Glenda SBAX | * * * * * | -11 | 750 | -11 | 150 | AG | 310 | 1.9 | 0.0 | 17.0 |
| P. Glenda SBDX | * * * * * | -11 | -150 | -11 | -750 | AG | 42 | 1.9 | 0.0 | 13.5 |
| Q. Glenfel EBAX | * * * * * | -750 | -7 | -150 | -7 | AG | 1448 | 1.9 | 0.0 | 10.0 |
| R. Glenfel EBDX | * * * * * | 150 | -7 | 750 | -7 | AG | 1074 | 1.9 | 0.0 | 10.0 |
| S. Glenfel WBAX | * * * * * | 750 | 7 | 150 | 7 | AG | 1775 | 1.9 | 0.0 | 10.0 |
| T. Glenfel WBDX | * * * * * | -150 | 7 | -750 | 7 | AG | 2337 | 1.9 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA

2015-02.1st
(WORST CASE ANGLE)

RUN: 2015-02
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 21 | -14 | 1.8 |
| 2. NW | * | -21 | 14 | 1.8 |
| 3. SW | * | -19 | -14 | 1.8 |
| 4. NE | * | 19 | 14 | 1.8 |
| 5. ES mdblk | * | 150 | -14 | 1.8 |
| 6. WN mdblk | * | -150 | 14 | 1.8 |
| 7. WS mdblk | * | -150 | -14 | 1.8 |
| 8. EN mdblk | * | 150 | 14 | 1.8 |
| 9. SE mdblk | * | 21 | -150 | 1.8 |
| 10. NW mdblk | * | -21 | 150 | 1.8 |
| 11. SW mdblk | * | -19 | -150 | 1.8 |
| 12. NE mdblk | * | 19 | 150 | 1.8 |
| 13. ES blk | * | 600 | -14 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -14 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 21 | -600 | 1.8 |
| 18. NW blk | * | -21 | 600 | 1.8 |
| 19. SW blk | * | -19 | -600 | 1.8 |
| 20. NE blk | * | 19 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2015-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | * | CONC/LINK (PPM) | | | | | | | |
|--------------|---|--------------|-----------------------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 281. | * 1.4 | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.4 | 0.3 |
| 2. NW | * | 258. | * 1.8 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 3. SW | * | 282. | * 1.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| 4. NE | * | 260. | * 1.8 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 5. ES mdblk | * | 278. | * 1.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7 |
| 6. WN mdblk | * | 99. | * 1.9 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 |
| 7. WS mdblk | * | 80. | * 1.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 |
| 8. EN mdblk | * | 262. | * 1.6 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 |
| 9. SE mdblk | * | 347. | * 0.4 | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 10. NW mdblk | * | 173. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |

2015-02.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 189. | * | 0.4 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.6 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 97. | * | 0.9 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 83. | * | 0.8 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.7 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 5. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|--------------|---|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.1 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 2. NW | * | 0.1 | 0.0 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 3. SW | * | 0.2 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 4. NE | * | 0.1 | 0.4 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 0.1 | 0.1 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 0.2 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 0.0 | 1.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.2 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.6 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.2 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.5 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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2015-03.1st

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * * | LINK COORDINATES (M) | * * * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-------------------|----------------------|-------------------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | |
| A. Main St NBA | * * * * | 9 -150 9 0 | * * * * | 3.1 | 0.0 | 13.5 |
| B. Main St NBD | * * * * | 9 0 9 150 | * * * * | 2.0 | 0.0 | 10.0 |
| C. Main St NBL | * * * * | 5 -150 0 0 | * * * * | 4.5 | 0.0 | 10.0 |
| D. Main St SBA | * * * * | -9 150 -9 0 | * * * * | 3.5 | 0.0 | 13.5 |
| E. Main St SBD | * * * * | -9 0 -9 -150 | * * * * | 2.3 | 0.0 | 10.0 |
| F. Main St SBL | * * * * | -5 150 0 0 | * * * * | 4.5 | 0.0 | 10.0 |
| G. College EBA | * * * * | -150 -7 0 -7 | * * * * | 4.1 | 0.0 | 10.0 |
| H. College EBD | * * * * | 0 -7 150 -7 | * * * * | 2.7 | 0.0 | 10.0 |
| I. College EBL | * * * * | -150 -5 0 0 | * * * * | 4.6 | 0.0 | 10.0 |
| J. College WBA | * * * * | 150 7 0 7 | * * * * | 4.1 | 0.0 | 10.0 |
| K. College WBD | * * * * | 0 7 -150 7 | * * * * | 2.7 | 0.0 | 10.0 |
| L. College WBL | * * * * | 150 5 0 0 | * * * * | 4.6 | 0.0 | 10.0 |
| M. Main St NBAX | * * * * | 9 -750 9 -150 | * * * * | 1.9 | 0.0 | 13.5 |
| N. Main St NBDX | * * * * | 9 150 9 750 | * * * * | 1.9 | 0.0 | 10.0 |
| O. Main St SBAX | * * * * | -9 750 -9 150 | * * * * | 1.9 | 0.0 | 13.5 |
| P. Main St SBDX | * * * * | -9 -150 -9 -750 | * * * * | 1.9 | 0.0 | 10.0 |
| Q. College EBAX | * * * * | -750 -7 -150 -7 | * * * * | 2.2 | 0.0 | 10.0 |
| R. College EBDX | * * * * | 150 -7 750 -7 | * * * * | 2.2 | 0.0 | 10.0 |
| S. College WBAX | * * * * | 750 7 150 7 | * * * * | 2.2 | 0.0 | 10.0 |
| T. College WBDX | * * * * | -150 7 -750 7 | * * * * | 2.2 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA

2015-03.1st
(WORST CASE ANGLE)

RUN: 2015-03
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|-------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -14 | 1.8 |
| 2. NW | * | -17 | 14 | 1.8 |
| 3. SW | * | -15 | -14 | 1.8 |
| 4. NE | * | 15 | 14 | 1.8 |
| 5. ES mdbl | * | 150 | -14 | 1.8 |
| 6. WN mdbl | * | -150 | 14 | 1.8 |
| 7. WS mdbl | * | -150 | -14 | 1.8 |
| 8. EN mdbl | * | 150 | 14 | 1.8 |
| 9. SE mdbl | * | 17 | -150 | 1.8 |
| 10. NW mdbl | * | -17 | 150 | 1.8 |
| 11. SW mdbl | * | -15 | -150 | 1.8 |
| 12. NE mdbl | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -14 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -14 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2015-03
POLLUTANT: Carbon Monoxide

(WORST CASE ANGLE)

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | |
|-------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 347. | * 0.5 * | 0.1 | 0.1 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 |
| 2. NW | * | 9. | * 0.7 * | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.1 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.7 * | 0.0 | 0.0 | 0.0 | 0.5 | 0.1 | 0.1 | 0.0 | 0.0 |
| 4. NE | * | 187. | * 0.5 * | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 281. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdbl | * | 93. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 85. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 259. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 352. | * 0.5 * | 0.2 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 172. | * 0.7 * | 0.0 | 0.0 | 0.0 | 0.5 | 0.0 | 0.1 | 0.0 | 0.0 |

| 2015-03.1st | | | | | | | | | | | | | | | |
|-------------|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 7. | * | 0.6 | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 189. | * | 0.4 | * | 0.0 | 0.1 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 91. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 87. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 353. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 187. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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2015-04.1st

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) | | |
|------------------|-----------|----------------------|-----------|------|------|-----------|-------|-------|-----|------|
| | | X1 | Y1 | X2 | Y2 | | | | | |
| A. Figueroa NBA | * | 9 | -150 | 9 | 0 | AG | 985 | 3.7 | 0.0 | 13.5 |
| B. Figueroa NBD | * | 9 | 0 | 9 | 150 | AG | 1019 | 2.2 | 0.0 | 10.0 |
| C. Figueroa NBL | * | 5 | -150 | 0 | 0 | AG | 65 | 4.5 | 0.0 | 10.0 |
| D. Figueroa SBA | * | -9 | 150 | -9 | 0 | AG | 799 | 3.5 | 0.0 | 13.5 |
| E. Figueroa SBD | * | -9 | 0 | -9 | -150 | AG | 1147 | 2.2 | 0.0 | 10.0 |
| F. Figueroa SBL | * | -5 | 150 | 0 | 0 | AG | 49 | 4.5 | 0.0 | 10.0 |
| G. Temple S EBA | * | -150 | -9 | 0 | -9 | AG | 448 | 3.5 | 0.0 | 13.5 |
| H. Temple S EBD | * | 0 | -9 | 150 | -9 | AG | 332 | 2.1 | 0.0 | 10.0 |
| I. Temple S EBL | * | -150 | -5 | 0 | 0 | AG | 84 | 4.5 | 0.0 | 10.0 |
| J. Temple S WBA | * | 150 | 9 | 0 | 9 | AG | 108 | 3.4 | 0.0 | 13.5 |
| K. Temple S WBD | * | 0 | 9 | -150 | 9 | AG | 134 | 2.1 | 0.0 | 10.0 |
| L. Temple S WBL | * | 150 | 5 | 0 | 0 | AG | 94 | 4.5 | 0.0 | 10.0 |
| M. Figuero NBAX | * | 9 | -750 | 9 | -150 | AG | 1050 | 1.8 | 0.0 | 13.5 |
| N. Figuero NBDX | * | 9 | 150 | 9 | 750 | AG | 1019 | 1.8 | 0.0 | 10.0 |
| O. Figuero SBAX | * | -9 | 750 | -9 | 150 | AG | 848 | 1.8 | 0.0 | 13.5 |
| P. Figuero SBDX | * | -9 | -150 | -9 | -750 | AG | 1147 | 1.8 | 0.0 | 10.0 |
| Q. Temple EBAX | * | -750 | -9 | -150 | -9 | AG | 532 | 1.9 | 0.0 | 13.5 |
| R. Temple EBDX | * | 150 | -9 | 750 | -9 | AG | 332 | 1.9 | 0.0 | 10.0 |
| S. Temple WBAX | * | 750 | 9 | 150 | 9 | AG | 202 | 1.9 | 0.0 | 13.5 |
| T. Temple WBDX | * | -150 | 9 | -750 | 9 | AG | 134 | 1.9 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA

2015-04.1st
(WORST CASE ANGLE)

RUN: 2015-04
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|-------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -15 | 1.8 |
| 2. NW | * | -17 | 15 | 1.8 |
| 3. SW | * | -15 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdbl | * | 150 | -15 | 1.8 |
| 6. WN mdbl | * | -150 | 15 | 1.8 |
| 7. WS mdbl | * | -150 | -17 | 1.8 |
| 8. EN mdbl | * | 150 | 17 | 1.8 |
| 9. SE mdbl | * | 17 | -150 | 1.8 |
| 10. NW mdbl | * | -17 | 150 | 1.8 |
| 11. SW mdbl | * | -15 | -150 | 1.8 |
| 12. NE mdbl | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -15 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2015-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|-------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 189. | * 0.7 | * 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 169. | * 0.7 | * 0.1 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 |
| 3. SW | * | 8. | * 0.7 | * 0.0 | 0.1 | 0.0 | 0.3 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |
| 4. NE | * | 187. | * 0.7 | * 0.4 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 275. | * 0.3 | * 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdbl | * | 100. | * 0.3 | * 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 7. WS mdbl | * | 82. | * 0.4 | * 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 8. EN mdbl | * | 262. | * 0.3 | * 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 351. | * 0.8 | * 0.5 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 172. | * 0.7 | * 0.1 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2015-04.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 8. | * | 0.6 | * | 0.1 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 187. | * | 0.6 | * | 0.1 | 0.3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 275. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 353. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 7. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.5 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |

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2015-05.1st

CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 1

JOB: HSR B-LA
RUN: 2015-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
BRG= WORST CASE VD= 0.0 CM/S
CLAS= 7 (G) VS= 0.0 CM/S
MIXH= 1000. M AMB= 0.0 PPM
SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) | | |
|------------------|-----------|----------------------|-----------|------|------|-----------|-------|-------|-----|------|
| | | X1 | Y1 | X2 | Y2 | | | | | |
| A. Vignes S NBA | * * * * * | 12 | -150 | 12 | 0 | AG | 504 | 3.0 | 0.0 | 13.5 |
| B. Vignes S NBD | * * * * * | 12 | 0 | 12 | 150 | AG | 1094 | 2.0 | 0.0 | 10.0 |
| C. Vignes S NBL | * * * * * | 9 | -150 | 0 | 0 | AG | 43 | 4.5 | 0.0 | 10.0 |
| D. Vignes S SBA | * * * * * | -12 | 150 | -12 | 0 | AG | 350 | 2.9 | 0.0 | 13.5 |
| E. Vignes S SBD | * * * * * | -12 | 0 | -12 | -150 | AG | 458 | 1.9 | 0.0 | 10.0 |
| F. Vignes S SBL | * * * * * | -9 | 150 | 0 | 0 | AG | 239 | 4.5 | 0.0 | 10.0 |
| G. Gateway EBA | * * * * * | -150 | -12 | 0 | -12 | AG | 149 | 4.1 | 0.0 | 13.5 |
| H. Gateway EBD | * * * * * | 0 | -12 | 150 | -12 | AG | 375 | 2.5 | 0.0 | 10.0 |
| I. Gateway EBL | * * * * * | -150 | -9 | 0 | 0 | AG | 150 | 4.5 | 0.0 | 10.0 |
| J. Gateway WBA | * * * * * | 150 | 7 | 0 | 7 | AG | 632 | 4.6 | 0.0 | 10.0 |
| K. Gateway WBD | * * * * * | 0 | 7 | -150 | 7 | AG | 292 | 2.6 | 0.0 | 10.0 |
| L. Gateway WBL | * * * * * | 150 | 5 | 0 | 0 | AG | 152 | 4.5 | 0.0 | 10.0 |
| M. Vignes NBAX | * * * * * | 12 | -750 | 12 | -150 | AG | 547 | 1.8 | 0.0 | 13.5 |
| N. Vignes NBDX | * * * * * | 12 | 150 | 12 | 750 | AG | 1094 | 1.8 | 0.0 | 10.0 |
| O. Vignes SBAX | * * * * * | -12 | 750 | -12 | 150 | AG | 589 | 1.8 | 0.0 | 13.5 |
| P. Vignes SBDX | * * * * * | -12 | -150 | -12 | -750 | AG | 458 | 1.8 | 0.0 | 10.0 |
| Q. Gateway EBAX | * * * * * | -750 | -12 | -150 | -12 | AG | 299 | 1.9 | 0.0 | 13.5 |
| R. Gateway EBDX | * * * * * | 150 | -12 | 750 | -12 | AG | 375 | 1.9 | 0.0 | 10.0 |
| S. Gateway WBAX | * * * * * | 750 | 7 | 150 | 7 | AG | 784 | 1.9 | 0.0 | 10.0 |
| T. Gateway WBDX | * * * * * | -150 | 7 | -750 | 7 | AG | 292 | 1.9 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 2

JOB: HSR B-LA

2015-05.1st
(WORST CASE ANGLE)

RUN: 2015-05
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 21 | -19 | 1.8 |
| 2. NW | * | -21 | 14 | 1.8 |
| 3. SW | * | -19 | -21 | 1.8 |
| 4. NE | * | 19 | 14 | 1.8 |
| 5. ES mdblk | * | 150 | -19 | 1.8 |
| 6. WN mdblk | * | -150 | 14 | 1.8 |
| 7. WS mdblk | * | -150 | -21 | 1.8 |
| 8. EN mdblk | * | 150 | 14 | 1.8 |
| 9. SE mdblk | * | 21 | -150 | 1.8 |
| 10. NW mdblk | * | -21 | 150 | 1.8 |
| 11. SW mdblk | * | -19 | -150 | 1.8 |
| 12. NE mdblk | * | 19 | 150 | 1.8 |
| 13. ES blk | * | 600 | -19 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -21 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 21 | -600 | 1.8 |
| 18. NW blk | * | -21 | 600 | 1.8 |
| 19. SW blk | * | -19 | -600 | 1.8 |
| 20. NE blk | * | 19 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2015-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 350. | * 0.6 * | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 |
| 2. NW | * | 97. | * 0.7 * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 77. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 |
| 4. NE | * | 188. | * 0.6 * | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 284. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdblk | * | 95. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 82. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 8. EN mdblk | * | 261. | * 0.7 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 354. | * 0.4 * | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 168. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 |

2015-05.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 8. | * | 0.4 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 188. | * | 0.5 | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 277. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 95. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2015-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | |
| 1. | SE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.4 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029WP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | * * * | EF (G/MI) | H (M) | W (M) |
|------------------|-------|----------------------|----------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | TYPE VPH | | | |
| A. San Fern NBA | * * * | 9 -150 9 0 | AG 969 | 1.6 | 0.0 | 13.5 |
| B. San Fern NBD | * * * | 9 0 9 150 | AG 1152 | 0.8 | 0.0 | 10.0 |
| C. San Fern NBL | * * * | 5 -150 0 0 | AG 102 | 2.0 | 0.0 | 10.0 |
| D. San Fern SBA | * * * | -9 150 -9 0 | AG 807 | 1.6 | 0.0 | 13.5 |
| E. San Fern SBD | * * * | -9 0 -9 -150 | AG 917 | 0.8 | 0.0 | 10.0 |
| F. San Fern SBL | * * * | -5 150 0 0 | AG 314 | 2.0 | 0.0 | 10.0 |
| G. Chevy Ch EBA | * * * | -150 -9 0 -9 | AG 66 | 1.4 | 0.0 | 13.5 |
| H. Chevy Ch EBD | * * * | 0 -9 150 -9 | AG 501 | 0.7 | 0.0 | 10.0 |
| I. Chevy Ch EBL | * * * | -150 -5 0 0 | AG 17 | 2.0 | 0.0 | 10.0 |
| J. Chevy Ch WBA | * * * | 150 9 0 9 | AG 344 | 1.4 | 0.0 | 13.5 |
| K. Chevy Ch WBD | * * * | 0 9 -150 9 | AG 163 | 0.7 | 0.0 | 10.0 |
| L. Chevy Ch WBL | * * * | 150 5 0 0 | AG 114 | 2.0 | 0.0 | 10.0 |
| M. San Fer NBAX | * * * | 9 -750 9 -150 | AG 1071 | 0.7 | 0.0 | 13.5 |
| N. San Fer NBDX | * * * | 9 150 9 750 | AG 1152 | 0.7 | 0.0 | 10.0 |
| O. San Fer SBAX | * * * | -9 750 -9 150 | AG 1121 | 0.7 | 0.0 | 13.5 |
| P. San Fer SBDX | * * * | -9 -150 -9 -750 | AG 917 | 0.7 | 0.0 | 10.0 |
| Q. Chevy C EBAX | * * * | -750 -9 -150 -9 | AG 83 | 0.7 | 0.0 | 13.5 |
| R. Chevy C EBDX | * * * | 150 -9 750 -9 | AG 501 | 0.7 | 0.0 | 10.0 |
| S. Chevy C WBAX | * * * | 750 9 150 9 | AG 458 | 0.7 | 0.0 | 13.5 |
| T. Chevy C WBDX | * * * | -150 9 -750 9 | AG 163 | 0.7 | 0.0 | 10.0 |

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2029WP-01.1st
(WORST CASE ANGLE)

RUN: 2029WP-01
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -15 | 1.8 |
| 2. NW | * | -17 | 15 | 1.8 |
| 3. SW | * | -15 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -15 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -17 | 150 | 1.8 |
| 11. SW mdblk | * | -15 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -15 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2029WP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 347. | * 0.3 * | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 9. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 187. | * 0.3 * | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 282. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdblk | * | 95. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 84. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 260. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 352. | * 0.3 * | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 171. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |

2029WP-01.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 8. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 188. | * | 0.3 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 277. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 93. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 85. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029WP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGHT= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * | LINK COORDINATES (M) | * * * * | EF (G/MI) | H (M) | W (M) |
|------------------|---------|----------------------|-----------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | TYPE VPH | | | |
| A. San Fern NBA | * | 9 -150 9 0 | * AG 594 | 1.4 | 0.0 | 13.5 |
| B. San Fern NBD | * | 9 0 9 150 | * AG 995 | 0.8 | 0.0 | 10.0 |
| C. San Fern NBL | * | 5 -150 0 0 | * AG 242 | 2.0 | 0.0 | 10.0 |
| D. San Fern SBA | * | -9 150 -9 0 | * AG 814 | 1.6 | 0.0 | 13.5 |
| E. San Fern SBD | * | -9 0 -9 -150 | * AG 727 | 0.8 | 0.0 | 10.0 |
| F. San Fern SBL | * | -5 150 0 0 | * AG 63 | 2.0 | 0.0 | 10.0 |
| G. Los Feli EBA | * | -150 -9 0 -9 | * AG 1118 | 1.8 | 0.0 | 13.5 |
| H. Los Feli EBD | * | 0 -9 150 -9 | * AG 1020 | 0.8 | 0.0 | 10.0 |
| I. Los Feli EBL | * | -150 -5 0 0 | * AG 351 | 2.0 | 0.0 | 10.0 |
| J. Los Feli WBA | * | 150 9 0 9 | * AG 926 | 1.6 | 0.0 | 13.5 |
| K. Los Feli WBD | * | 0 9 -150 9 | * AG 1418 | 1.1 | 0.0 | 10.0 |
| L. Los Feli WBL | * | 150 5 0 0 | * AG 52 | 2.0 | 0.0 | 10.0 |
| M. San Fer NBAX | * | 9 -750 9 -150 | * AG 836 | 0.7 | 0.0 | 13.5 |
| N. San Fer NBDX | * | 9 150 9 750 | * AG 995 | 0.7 | 0.0 | 10.0 |
| O. San Fer SBAX | * | -9 750 -9 150 | * AG 877 | 0.7 | 0.0 | 13.5 |
| P. San Fer SBDX | * | -9 -150 -9 -750 | * AG 727 | 0.7 | 0.0 | 10.0 |
| Q. Los Fel EBAX | * | -750 -9 -150 -9 | * AG 1469 | 0.7 | 0.0 | 13.5 |
| R. Los Fel EBDX | * | 150 -9 750 -9 | * AG 1020 | 0.7 | 0.0 | 10.0 |
| S. Los Fel WBAX | * | 750 9 150 9 | * AG 978 | 0.7 | 0.0 | 13.5 |
| T. Los Fel WBDX | * | -150 9 -750 9 | * AG 1418 | 0.7 | 0.0 | 10.0 |

2029WP-02.1st
(WORST CASE ANGLE)

RUN: 2029WP-02
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -15 | 1.8 |
| 2. NW | * | -17 | 15 | 1.8 |
| 3. SW | * | -15 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -15 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -17 | 150 | 1.8 |
| 11. SW mdblk | * | -15 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -15 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2029WP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 278. | * 0.5 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 2. NW | * | 167. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 3. SW | * | 7. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 4. NE | * | 257. | * 0.5 * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 5. ES mdblk | * | 277. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdblk | * | 100. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 7. WS mdblk | * | 80. | * 0.5 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 |
| 8. EN mdblk | * | 263. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 9. SE mdblk | * | 351. | * 0.3 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 172. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2029WP-02.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 189. | * | 0.3 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 97. | * | 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 187. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | |
| 1. | SE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.1 | 0.1 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029WP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-------|----------------------|-------|------|------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Garey St NBA | * | 9 -150 9 0 | * | AG | 331 | 1.4 | 0.0 | 13.5 |
| B. Garey St NBD | * | 9 0 9 150 | * | AG | 1030 | 0.8 | 0.0 | 10.0 |
| C. Garey St NBL | * | 5 -150 0 0 | * | AG | 12 | 2.0 | 0.0 | 10.0 |
| D. Garey St SBA | * | -7 150 -7 0 | * | AG | 215 | 1.4 | 0.0 | 10.0 |
| E. Garey St SBD | * | -7 0 -7 -150 | * | AG | 39 | 0.7 | 0.0 | 10.0 |
| F. Garey St SBL | * | -5 150 0 0 | * | AG | 156 | 2.0 | 0.0 | 10.0 |
| G. Commerci EBA | * | -150 -11 0 -11 | * | AG | 67 | 1.4 | 0.0 | 10.0 |
| H. Commerci EBD | * | 0 -11 150 -11 | * | AG | 227 | 0.7 | 0.0 | 10.0 |
| I. Commerci EBL | * | -150 -9 0 0 | * | AG | 365 | 2.0 | 0.0 | 10.0 |
| J. Commerci WBA | * | 150 9 0 9 | * | AG | 404 | 1.4 | 0.0 | 13.5 |
| K. Commerci WBD | * | 0 9 -150 9 | * | AG | 257 | 0.7 | 0.0 | 10.0 |
| L. Commerci WBL | * | 150 5 0 0 | * | AG | 3 | 2.0 | 0.0 | 10.0 |
| M. Garey S NBAX | * | 9 -750 9 -150 | * | AG | 343 | 0.7 | 0.0 | 13.5 |
| N. Garey S NBDX | * | 9 150 9 750 | * | AG | 1030 | 0.7 | 0.0 | 10.0 |
| O. Garey S SBAX | * | -7 750 -7 150 | * | AG | 371 | 0.7 | 0.0 | 10.0 |
| P. Garey S SBDX | * | -7 -150 -7 -750 | * | AG | 39 | 0.7 | 0.0 | 10.0 |
| Q. Commerc EBAX | * | -750 -11 -150 -11 | * | AG | 432 | 0.7 | 0.0 | 10.0 |
| R. Commerc EBDX | * | 150 -11 750 -11 | * | AG | 227 | 0.7 | 0.0 | 10.0 |
| S. Commerc WBAX | * | 750 9 150 9 | * | AG | 407 | 0.7 | 0.0 | 13.5 |
| T. Commerc WBDX | * | -150 9 -750 9 | * | AG | 257 | 0.7 | 0.0 | 10.0 |

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2029WP-03.1st
(WORST CASE ANGLE)

RUN: 2029WP-03
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -17 | 1.8 |
| 2. NW | * | -14 | 15 | 1.8 |
| 3. SW | * | -14 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -17 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -14 | 150 | 1.8 |
| 11. SW mdblk | * | -14 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -17 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2029WP-03 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | * | CONC/LINK (PPM) | | | | | | | |
|--------------|---|--------------|-----------------------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 351. | * 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 96. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 8. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 255. | * 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 277. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 97. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 79. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 264. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 354. | * 0.1 | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 169. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2029WP-03.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 190. | * | 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 265. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 355. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 5. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 187. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-03 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029WP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * | LINK COORDINATES (M) | | | | * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|--------|----------------------|------|------|------|--------|------|-----|-----------|-------|-------|
| | | X1 | Y1 | X2 | Y2 | | | | | | |
| A. Center S | NBA * | 9 | -150 | 9 | 0 | * AG | 520 | 1.3 | 0.0 | 13.5 | |
| B. Center S | NBD * | 9 | 0 | 9 | 150 | * AG | 765 | 0.8 | 0.0 | 10.0 | |
| C. Center S | NBL * | 5 | -150 | 0 | 0 | * AG | 43 | 2.0 | 0.0 | 10.0 | |
| D. Center S | SBA * | -7 | 150 | -7 | 0 | * AG | 468 | 1.4 | 0.0 | 10.0 | |
| E. Center S | SBD * | -7 | 0 | -7 | -150 | * AG | 293 | 0.8 | 0.0 | 10.0 | |
| F. Center S | SBL * | -5 | 150 | 0 | 0 | * AG | 9 | 2.0 | 0.0 | 10.0 | |
| G. Commerci | EBA * | -150 | -7 | 0 | -7 | * AG | 58 | 1.8 | 0.0 | 10.0 | |
| H. Commerci | EBD * | 0 | -7 | 150 | -7 | * AG | 23 | 0.8 | 0.0 | 10.0 | |
| I. Commerci | EBL * | -150 | -5 | 0 | 0 | * AG | 242 | 2.0 | 0.0 | 10.0 | |
| J. Commerci | WBA * | 150 | 7 | 0 | 7 | * AG | 24 | 1.8 | 0.0 | 10.0 | |
| K. Commerci | WBD * | 0 | 7 | -150 | 7 | * AG | 290 | 0.9 | 0.0 | 10.0 | |
| L. Commerci | WBL * | 150 | 5 | 0 | 0 | * AG | 7 | 2.0 | 0.0 | 10.0 | |
| M. Center | NBAX * | 9 | -750 | 9 | -150 | * AG | 563 | 0.7 | 0.0 | 13.5 | |
| N. Center | NBDX * | 9 | 150 | 9 | 750 | * AG | 765 | 0.7 | 0.0 | 10.0 | |
| O. Center | SBAX * | -7 | 750 | -7 | 150 | * AG | 477 | 0.7 | 0.0 | 10.0 | |
| P. Center | SBDX * | -7 | -150 | -7 | -750 | * AG | 293 | 0.7 | 0.0 | 10.0 | |
| Q. Commerc | EBAX * | -750 | -7 | -150 | -7 | * AG | 300 | 0.7 | 0.0 | 10.0 | |
| R. Commerc | EBDX * | 150 | -7 | 750 | -7 | * AG | 23 | 0.7 | 0.0 | 10.0 | |
| S. Commerc | WBAX * | 750 | 7 | 150 | 7 | * AG | 31 | 0.7 | 0.0 | 10.0 | |
| T. Commerc | WBDX * | -150 | 7 | -750 | 7 | * AG | 290 | 0.7 | 0.0 | 10.0 | |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA

2029WP-04.1st
(WORST CASE ANGLE)

RUN: 2029WP-04
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -14 | 1.8 |
| 2. NW | * | -14 | 14 | 1.8 |
| 3. SW | * | -14 | -14 | 1.8 |
| 4. NE | * | 15 | 14 | 1.8 |
| 5. ES mdblk | * | 150 | -14 | 1.8 |
| 6. WN mdblk | * | -150 | 14 | 1.8 |
| 7. WS mdblk | * | -150 | -14 | 1.8 |
| 8. EN mdblk | * | 150 | 14 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -14 | 150 | 1.8 |
| 11. SW mdblk | * | -14 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -14 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -14 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2029WP-04 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 278. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 168. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 261. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 274. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 101. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 78. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 266. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 352. | * 0.2 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 172. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2029WP-04.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 189. | * | 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 273. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 268. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 187. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-04 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|--------------|---|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2029wP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * | LINK COORDINATES (M) | * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) | | |
|------------------|------------|----------------------|------------|------|------|-----------|-------|-------|-----|------|
| | | X1 | Y1 | X2 | Y2 | | | | | |
| A. Pleasant | NBA * * | 7 | -150 | 7 | 0 | AG | 152 | 1.4 | 0.0 | 10.0 |
| B. Pleasant | NBD * * | 7 | 0 | 7 | 150 | AG | 533 | 0.8 | 0.0 | 10.0 |
| C. Pleasant | NBL * * | 5 | -150 | 0 | 0 | AG | 12 | 2.0 | 0.0 | 10.0 |
| D. Pleasant | SBA * * | -7 | 150 | -7 | 0 | AG | 190 | 1.4 | 0.0 | 10.0 |
| E. Pleasant | SBD * * | -7 | 0 | -7 | -150 | AG | 126 | 0.7 | 0.0 | 10.0 |
| F. Pleasant | SBL * * | -5 | 150 | 0 | 0 | AG | 4 | 2.0 | 0.0 | 10.0 |
| G. I-10 EB | EBA * * | -150 | -7 | 0 | -7 | AG | 17 | 1.4 | 0.0 | 10.0 |
| H. I-10 EB | EBD * * | 0 | -7 | 150 | -7 | AG | 14 | 0.7 | 0.0 | 10.0 |
| I. I-10 EB | EBL * * | -150 | -5 | 0 | 0 | AG | 381 | 2.0 | 0.0 | 10.0 |
| J. I-10 EB | WBA * * | 150 | 7 | 0 | 7 | AG | 9 | 1.4 | 0.0 | 10.0 |
| K. I-10 EB | WBD * * | 0 | 7 | -150 | 7 | AG | 95 | 0.7 | 0.0 | 10.0 |
| L. I-10 EB | WBL * * | 150 | 5 | 0 | 0 | AG | 3 | 2.0 | 0.0 | 10.0 |
| M. Pleasan | NBAX * * | 7 | -750 | 7 | -150 | AG | 164 | 0.7 | 0.0 | 10.0 |
| N. Pleasan | NBDX * * | 7 | 150 | 7 | 750 | AG | 533 | 0.7 | 0.0 | 10.0 |
| O. Pleasan | SBAX * * | -7 | 750 | -7 | 150 | AG | 194 | 0.7 | 0.0 | 10.0 |
| P. Pleasan | SBDX * * | -7 | -150 | -7 | -750 | AG | 126 | 0.7 | 0.0 | 10.0 |
| Q. I-10 EB | EBAX * * | -750 | -7 | -150 | -7 | AG | 398 | 0.7 | 0.0 | 10.0 |
| R. I-10 EB | EBDX * * | 150 | -7 | 750 | -7 | AG | 14 | 0.7 | 0.0 | 10.0 |
| S. I-10 EB | WBAX * * | 750 | 7 | 150 | 7 | AG | 12 | 0.7 | 0.0 | 10.0 |
| T. I-10 EB | WBDX * * | -150 | 7 | -750 | 7 | AG | 95 | 0.7 | 0.0 | 10.0 |

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2029WP-05.1st
(WORST CASE ANGLE)

RUN: 2029WP-05
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|-------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 14 | -14 | 1.8 |
| 2. NW | * | -14 | 14 | 1.8 |
| 3. SW | * | -14 | -14 | 1.8 |
| 4. NE | * | 14 | 14 | 1.8 |
| 5. ES mdbl | * | 150 | -14 | 1.8 |
| 6. WN mdbl | * | -150 | 14 | 1.8 |
| 7. WS mdbl | * | -150 | -14 | 1.8 |
| 8. EN mdbl | * | 150 | 14 | 1.8 |
| 9. SE mdbl | * | 14 | -150 | 1.8 |
| 10. NW mdbl | * | -14 | 150 | 1.8 |
| 11. SW mdbl | * | -14 | -150 | 1.8 |
| 12. NE mdbl | * | 14 | 150 | 1.8 |
| 13. ES blk | * | 600 | -14 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -14 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 14 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 14 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2029WP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|-------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 278. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 169. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 258. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 274. | * 0.0 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 103. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 78. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 266. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 354. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 172. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2029WP-05.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 5. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 190. | * | 0.1 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 273. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 269. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 3. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2029WP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|-------------|---|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdbl | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040WP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-------|----------------------|-------|------|------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. San Fern NBA | * * * | 9 -150 9 0 | * * * | AG | 553 | 1.2 | 0.0 | 13.5 |
| B. San Fern NBD | * * * | 9 0 9 150 | * * * | AG | 961 | 0.6 | 0.0 | 10.0 |
| C. San Fern NBL | * * * | 5 -150 0 0 | * * * | AG | 247 | 1.7 | 0.0 | 10.0 |
| D. San Fern SBA | * * * | -9 150 -9 0 | * * * | AG | 821 | 1.4 | 0.0 | 13.5 |
| E. San Fern SBD | * * * | -9 0 -9 -150 | * * * | AG | 735 | 0.6 | 0.0 | 10.0 |
| F. San Fern SBL | * * * | -5 150 0 0 | * * * | AG | 63 | 1.7 | 0.0 | 10.0 |
| G. Los Feli EBA | * * * | -150 -9 0 -9 | * * * | AG | 1134 | 1.5 | 0.0 | 13.5 |
| H. Los Feli EBD | * * * | 0 -9 150 -9 | * * * | AG | 1033 | 0.6 | 0.0 | 10.0 |
| I. Los Feli EBL | * * * | -150 -5 0 0 | * * * | AG | 356 | 1.7 | 0.0 | 10.0 |
| J. Los Feli WBA | * * * | 150 9 0 9 | * * * | AG | 952 | 1.4 | 0.0 | 13.5 |
| K. Los Feli WBD | * * * | 0 9 -150 9 | * * * | AG | 1450 | 0.9 | 0.0 | 10.0 |
| L. Los Feli WBL | * * * | 150 5 0 0 | * * * | AG | 53 | 1.7 | 0.0 | 10.0 |
| M. San Fer NBAX | * * * | 9 -750 9 -150 | * * * | AG | 800 | 0.5 | 0.0 | 13.5 |
| N. San Fer NBDX | * * * | 9 150 9 750 | * * * | AG | 961 | 0.5 | 0.0 | 10.0 |
| O. San Fer SBAX | * * * | -9 750 -9 150 | * * * | AG | 884 | 0.5 | 0.0 | 13.5 |
| P. San Fer SBDX | * * * | -9 -150 -9 -750 | * * * | AG | 735 | 0.5 | 0.0 | 10.0 |
| Q. Los Fel EBAX | * * * | -750 -9 -150 -9 | * * * | AG | 1490 | 0.5 | 0.0 | 13.5 |
| R. Los Fel EBDX | * * * | 150 -9 750 -9 | * * * | AG | 1033 | 0.5 | 0.0 | 10.0 |
| S. Los Fel WBAX | * * * | 750 9 150 9 | * * * | AG | 1005 | 0.5 | 0.0 | 13.5 |
| T. Los Fel WBDX | * * * | -150 9 -750 9 | * * * | AG | 1450 | 0.5 | 0.0 | 10.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 2

JOB: HSR B-LA

2040WP-01.1st
(WORST CASE ANGLE)

RUN: 2040WP-01
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -15 | 1.8 |
| 2. NW | * | -17 | 15 | 1.8 |
| 3. SW | * | -15 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -15 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -17 | 150 | 1.8 |
| 11. SW mdblk | * | -15 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -15 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2040WP-01 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | * | CONC/LINK (PPM) | | | | | | | |
|--------------|---|--------------|-----------------------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|
| | | | | | A | B | C | D | E | F | G | H |
| 1. SE | * | 278. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 2. NW | * | 98. | * 0.3 | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.1 | 0.0 |
| 4. NE | * | 257. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 5. ES mdblk | * | 277. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdblk | * | 100. | * 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 7. WS mdblk | * | 80. | * 0.4 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 8. EN mdblk | * | 262. | * 0.3 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 351. | * 0.2 | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 172. | * 0.3 | * | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |

2040WP-01.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 190. | * | 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-01 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040wP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|----------------------|-----------|------|------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Broadway | NBA * | 9 -150 9 0 | * | AG | 1374 | 1.4 | 0.0 | 13.5 |
| B. Broadway | NBD * | 9 0 9 150 | * | AG | 1940 | 1.1 | 0.0 | 10.0 |
| C. Broadway | NBL * | 5 -150 0 0 | * | AG | 47 | 1.7 | 0.0 | 10.0 |
| D. Broadway | SBA * | -9 150 -9 0 | * | AG | 665 | 1.1 | 0.0 | 13.5 |
| E. Broadway | SBD * | -9 0 -9 -150 | * | AG | 685 | 0.6 | 0.0 | 10.0 |
| F. Broadway | SBL * | -5 150 0 0 | * | AG | 58 | 1.7 | 0.0 | 10.0 |
| G. College | EBA * | -150 -9 0 -9 | * | AG | 314 | 1.6 | 0.0 | 13.5 |
| H. College | EBD * | 0 -9 150 -9 | * | AG | 335 | 0.7 | 0.0 | 10.0 |
| I. College | EBL * | -150 -5 0 0 | * | AG | 115 | 1.7 | 0.0 | 10.0 |
| J. College | WBA * | 150 7 0 7 | * | AG | 938 | 1.7 | 0.0 | 10.0 |
| K. College | WBD * | 0 7 -150 7 | * | AG | 589 | 1.7 | 0.0 | 10.0 |
| L. College | WBL * | 150 5 0 0 | * | AG | 38 | 1.7 | 0.0 | 10.0 |
| M. Broadwa | NBAX * | 9 -750 9 -150 | * | AG | 1421 | 0.5 | 0.0 | 13.5 |
| N. Broadwa | NBDX * | 9 150 9 750 | * | AG | 1940 | 0.5 | 0.0 | 10.0 |
| O. Broadwa | SBAX * | -9 750 -9 150 | * | AG | 723 | 0.5 | 0.0 | 13.5 |
| P. Broadwa | SBDX * | -9 -150 -9 -750 | * | AG | 685 | 0.5 | 0.0 | 10.0 |
| Q. College | EBAX * | -750 -9 -150 -9 | * | AG | 429 | 0.5 | 0.0 | 13.5 |
| R. College | EBDX * | 150 -9 750 -9 | * | AG | 335 | 0.5 | 0.0 | 10.0 |
| S. College | WBAX * | 750 7 150 7 | * | AG | 976 | 0.5 | 0.0 | 10.0 |
| T. College | WBDX * | -150 7 -750 7 | * | AG | 589 | 0.5 | 0.0 | 10.0 |

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2040WP-02.1st
(WORST CASE ANGLE)

RUN: 2040WP-02
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -15 | 1.8 |
| 2. NW | * | -17 | 14 | 1.8 |
| 3. SW | * | -15 | -17 | 1.8 |
| 4. NE | * | 15 | 14 | 1.8 |
| 5. ES mdblk | * | 150 | -15 | 1.8 |
| 6. WN mdblk | * | -150 | 14 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 14 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -17 | 150 | 1.8 |
| 11. SW mdblk | * | -15 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -15 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2040WP-02 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 349. | * 0.4 * | 0.1 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 98. | * 0.4 * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 10. | * 0.3 * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 188. | * 0.4 * | 0.2 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 279. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 97. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 81. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 8. EN mdblk | * | 262. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 352. | * 0.4 * | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 170. | * 0.2 * | 0.0 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2040WP-02.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 9. | * | 0.2 | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 188. | * | 0.4 | * | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 95. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 265. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-02 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | |
| 1. | SE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040WP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * | LINK COORDINATES (M) | * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-------|----------------------|-------|------|------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Garey St NBA | * | 9 -150 9 0 | * | AG | 333 | 1.2 | 0.0 | 13.5 |
| B. Garey St NBD | * | 9 0 9 150 | * | AG | 1095 | 0.6 | 0.0 | 10.0 |
| C. Garey St NBL | * | 5 -150 0 0 | * | AG | 12 | 1.7 | 0.0 | 10.0 |
| D. Garey St SBA | * | -7 150 -7 0 | * | AG | 232 | 1.2 | 0.0 | 10.0 |
| E. Garey St SBD | * | -7 0 -7 -150 | * | AG | 42 | 0.5 | 0.0 | 10.0 |
| F. Garey St SBL | * | -5 150 0 0 | * | AG | 173 | 1.7 | 0.0 | 10.0 |
| G. Commerci EBA | * | -150 -11 0 -11 | * | AG | 69 | 1.2 | 0.0 | 10.0 |
| H. Commerci EBD | * | 0 -11 150 -11 | * | AG | 245 | 0.5 | 0.0 | 10.0 |
| I. Commerci EBL | * | -150 -9 0 0 | * | AG | 378 | 1.7 | 0.0 | 10.0 |
| J. Commerci WBA | * | 150 9 0 9 | * | AG | 459 | 1.2 | 0.0 | 13.5 |
| K. Commerci WBD | * | 0 9 -150 9 | * | AG | 278 | 0.5 | 0.0 | 10.0 |
| L. Commerci WBL | * | 150 5 0 0 | * | AG | 4 | 1.7 | 0.0 | 10.0 |
| M. Garey S NBAX | * | 9 -750 9 -150 | * | AG | 345 | 0.5 | 0.0 | 13.5 |
| N. Garey S NBDX | * | 9 150 9 750 | * | AG | 1095 | 0.5 | 0.0 | 10.0 |
| O. Garey S SBAX | * | -7 750 -7 150 | * | AG | 405 | 0.5 | 0.0 | 10.0 |
| P. Garey S SBDX | * | -7 -150 -7 -750 | * | AG | 42 | 0.5 | 0.0 | 10.0 |
| Q. Commerc EBAX | * | -750 -11 -150 -11 | * | AG | 447 | 0.5 | 0.0 | 10.0 |
| R. Commerc EBDX | * | 150 -11 750 -11 | * | AG | 245 | 0.5 | 0.0 | 10.0 |
| S. Commerc WBAX | * | 750 9 150 9 | * | AG | 463 | 0.5 | 0.0 | 13.5 |
| T. Commerc WBDX | * | -150 9 -750 9 | * | AG | 278 | 0.5 | 0.0 | 10.0 |

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2040WP-05.1st
(WORST CASE ANGLE)

RUN: 2040WP-05
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -17 | 1.8 |
| 2. NW | * | -14 | 15 | 1.8 |
| 3. SW | * | -14 | -17 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -17 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -17 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -14 | 150 | 1.8 |
| 11. SW mdblk | * | -14 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -17 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -17 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2040WP-05 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | * | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|---|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 350. | * 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 96. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 8. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 254. | * 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 278. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 97. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 79. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 263. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 354. | * 0.1 | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 169. | * 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2040WP-05.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 191. | * | 0.1 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 95. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 265. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 355. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 173. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 5. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-05 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|--------------|---|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040WP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|----------------------|-----------|------|-----|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Center S NBA | * | 9 -150 9 0 | * | AG | 535 | 1.1 | 0.0 | 13.5 |
| B. Center S NBD | * | 9 0 9 150 | * | AG | 797 | 0.6 | 0.0 | 10.0 |
| C. Center S NBL | * | 5 -150 0 0 | * | AG | 44 | 1.7 | 0.0 | 10.0 |
| D. Center S SBA | * | -7 150 -7 0 | * | AG | 508 | 1.3 | 0.0 | 10.0 |
| E. Center S SBD | * | -7 0 -7 -150 | * | AG | 303 | 0.6 | 0.0 | 10.0 |
| F. Center S SBL | * | -5 150 0 0 | * | AG | 10 | 1.7 | 0.0 | 10.0 |
| G. Commerci EBA | * | -150 -7 0 -7 | * | AG | 59 | 1.5 | 0.0 | 10.0 |
| H. Commerci EBD | * | 0 -7 150 -7 | * | AG | 24 | 0.6 | 0.0 | 10.0 |
| I. Commerci EBL | * | -150 -5 0 0 | * | AG | 258 | 1.7 | 0.0 | 10.0 |
| J. Commerci WBA | * | 150 7 0 7 | * | AG | 26 | 1.5 | 0.0 | 10.0 |
| K. Commerci WBD | * | 0 7 -150 7 | * | AG | 323 | 0.7 | 0.0 | 10.0 |
| L. Commerci WBL | * | 150 5 0 0 | * | AG | 7 | 1.7 | 0.0 | 10.0 |
| M. Center NBAX | * | 9 -750 9 -150 | * | AG | 579 | 0.5 | 0.0 | 13.5 |
| N. Center NBDX | * | 9 150 9 750 | * | AG | 797 | 0.5 | 0.0 | 10.0 |
| O. Center SBAX | * | -7 750 -7 150 | * | AG | 518 | 0.5 | 0.0 | 10.0 |
| P. Center SBDX | * | -7 -150 -7 -750 | * | AG | 303 | 0.5 | 0.0 | 10.0 |
| Q. Commerc EBAX | * | -750 -7 -150 -7 | * | AG | 317 | 0.5 | 0.0 | 10.0 |
| R. Commerc EBDX | * | 150 -7 750 -7 | * | AG | 24 | 0.5 | 0.0 | 10.0 |
| S. Commerc WBAX | * | 750 7 150 7 | * | AG | 33 | 0.5 | 0.0 | 10.0 |
| T. Commerc WBDX | * | -150 7 -750 7 | * | AG | 323 | 0.5 | 0.0 | 10.0 |

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2040WP-06.1st
(WORST CASE ANGLE)

RUN: 2040WP-06
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|-------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -14 | 1.8 |
| 2. NW | * | -14 | 14 | 1.8 |
| 3. SW | * | -14 | -14 | 1.8 |
| 4. NE | * | 15 | 14 | 1.8 |
| 5. ES mdbl | * | 150 | -14 | 1.8 |
| 6. WN mdbl | * | -150 | 14 | 1.8 |
| 7. WS mdbl | * | -150 | -14 | 1.8 |
| 8. EN mdbl | * | 150 | 14 | 1.8 |
| 9. SE mdbl | * | 17 | -150 | 1.8 |
| 10. NW mdbl | * | -14 | 150 | 1.8 |
| 11. SW mdbl | * | -14 | -150 | 1.8 |
| 12. NE mdbl | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -14 | 1.8 |
| 14. WN blk | * | -600 | 14 | 1.8 |
| 15. WS blk | * | -600 | -14 | 1.8 |
| 16. EN blk | * | 600 | 14 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -14 | 600 | 1.8 |
| 19. SW blk | * | -14 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2040WP-06 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|-------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 278. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 165. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 260. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdbl | * | 274. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdbl | * | 101. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdbl | * | 78. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdbl | * | 266. | * 0.1 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdbl | * | 352. | * 0.1 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdbl | * | 172. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2040WP-06.1st

| | | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 189. | * | 0.1 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 273. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 96. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 268. | * | 0.0 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 186. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-06 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | |
|--------------|---|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T |
| 1. SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. NW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. NE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. ES mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. WN mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. WS mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. EN mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. SW mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. NE mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. ES blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. WN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. WS blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. EN blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. SE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. NW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. SW blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. NE blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 1

JOB: HSR B-LA
 RUN: 2040WP-08 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

I. SITE VARIABLES

U= 0.5 M/S Z0= 100. CM ALT= 152. (M)
 BRG= WORST CASE VD= 0.0 CM/S
 CLAS= 7 (G) VS= 0.0 CM/S
 MIXH= 1000. M AMB= 0.0 PPM
 SIGTH= 10. DEGREES TEMP= 10.0 DEGREE (C)

II. LINK VARIABLES

| LINK DESCRIPTION | * * * * * | LINK COORDINATES (M) | * * * * * | TYPE | VPH | EF (G/MI) | H (M) | W (M) |
|------------------|-----------|----------------------|-----------|------|------|-----------|-------|-------|
| | | X1 Y1 X2 Y2 | | | | | | |
| A. Mission | NBA * | 9 -150 9 0 | * | AG | 695 | 1.3 | 0.0 | 13.5 |
| B. Mission | NBD * | 9 0 9 150 | * | AG | 1136 | 0.6 | 0.0 | 10.0 |
| C. Mission | NBL * | 5 -150 0 0 | * | AG | 197 | 1.7 | 0.0 | 10.0 |
| D. Mission | SBA * | -9 150 -9 0 | * | AG | 940 | 1.4 | 0.0 | 13.5 |
| E. Mission | SBD * | -9 0 -9 -150 | * | AG | 1123 | 0.6 | 0.0 | 10.0 |
| F. Mission | SBL * | -5 150 0 0 | * | AG | 44 | 1.7 | 0.0 | 10.0 |
| G. Cesar E | EBA * | -150 -12 0 -12 | * | AG | 1043 | 1.5 | 0.0 | 13.5 |
| H. Cesar E | EBD * | 0 -12 150 -12 | * | AG | 708 | 0.6 | 0.0 | 10.0 |
| I. Cesar E | EBL * | -150 -9 0 0 | * | AG | 446 | 1.7 | 0.0 | 10.0 |
| J. Cesar E | WBA * | 150 9 0 9 | * | AG | 692 | 1.3 | 0.0 | 13.5 |
| K. Cesar E | WBD * | 0 9 -150 9 | * | AG | 1220 | 0.7 | 0.0 | 10.0 |
| L. Cesar E | WBL * | 150 5 0 0 | * | AG | 130 | 1.7 | 0.0 | 10.0 |
| M. Mission | NBAX * | 9 -750 9 -150 | * | AG | 892 | 0.5 | 0.0 | 13.5 |
| N. Mission | NBDX * | 9 150 9 750 | * | AG | 1136 | 0.5 | 0.0 | 10.0 |
| O. Mission | SBAX * | -9 750 -9 150 | * | AG | 984 | 0.5 | 0.0 | 13.5 |
| P. Mission | SBDX * | -9 -150 -9 -750 | * | AG | 1123 | 0.5 | 0.0 | 10.0 |
| Q. Cesar E | EBAX * | -750 -12 -150 -12 | * | AG | 1489 | 0.5 | 0.0 | 13.5 |
| R. Cesar E | EBDX * | 150 -12 750 -12 | * | AG | 708 | 0.5 | 0.0 | 10.0 |
| S. Cesar E | WBAX * | 750 9 150 9 | * | AG | 822 | 0.5 | 0.0 | 13.5 |
| T. Cesar E | WBDX * | -150 9 -750 9 | * | AG | 1220 | 0.5 | 0.0 | 10.0 |

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2040wP-08.1st
(WORST CASE ANGLE)

RUN: 2040wP-08
POLLUTANT: Carbon Monoxide

III. RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | |
|--------------|---|-----------------|------|-----|
| | | X | Y | Z |
| 1. SE | * | 17 | -19 | 1.8 |
| 2. NW | * | -17 | 15 | 1.8 |
| 3. SW | * | -15 | -21 | 1.8 |
| 4. NE | * | 15 | 17 | 1.8 |
| 5. ES mdblk | * | 150 | -19 | 1.8 |
| 6. WN mdblk | * | -150 | 15 | 1.8 |
| 7. WS mdblk | * | -150 | -21 | 1.8 |
| 8. EN mdblk | * | 150 | 17 | 1.8 |
| 9. SE mdblk | * | 17 | -150 | 1.8 |
| 10. NW mdblk | * | -17 | 150 | 1.8 |
| 11. SW mdblk | * | -15 | -150 | 1.8 |
| 12. NE mdblk | * | 15 | 150 | 1.8 |
| 13. ES blk | * | 600 | -19 | 1.8 |
| 14. WN blk | * | -600 | 15 | 1.8 |
| 15. WS blk | * | -600 | -21 | 1.8 |
| 16. EN blk | * | 600 | 17 | 1.8 |
| 17. SE blk | * | 17 | -600 | 1.8 |
| 18. NW blk | * | -17 | 600 | 1.8 |
| 19. SW blk | * | -15 | -600 | 1.8 |
| 20. NE blk | * | 15 | 600 | 1.8 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
JUNE 1989 VERSION
PAGE 3

JOB: HSR B-LA
RUN: 2040wP-08 (WORST CASE ANGLE)
POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE)

| RECEPTOR | * | BRG (DEG) | * PRED * CONC * (PPM) | CONC/LINK (PPM) | | | | | | | | |
|--------------|---|--------------|-----------------------------|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| | | | | A | B | C | D | E | F | G | H | |
| 1. SE | * | 277. | * 0.4 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 2. NW | * | 167. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. SW | * | 7. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 4. NE | * | 256. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 5. ES mdblk | * | 276. | * 0.2 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| 6. WN mdblk | * | 102. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 7. WS mdblk | * | 79. | * 0.4 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 8. EN mdblk | * | 262. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. SE mdblk | * | 351. | * 0.3 * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. NW mdblk | * | 172. | * 0.3 * | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

2040WP-08.1st

| | | | | | | | | | | | | | | | |
|-----|----|-------|---|------|---|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|
| 11. | SW | mdblk | * | 7. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 190. | * | 0.2 | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 276. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 97. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 15. | WS | blk | * | 84. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 264. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 17. | SE | blk | * | 354. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 174. | * | 0.1 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 6. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 187. | * | 0.2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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CALINE4: CALIFORNIA LINE SOURCE DISPERSION MODEL
 JUNE 1989 VERSION
 PAGE 4

JOB: HSR B-LA
 RUN: 2040WP-08 (WORST CASE ANGLE)
 POLLUTANT: Carbon Monoxide

IV. MODEL RESULTS (WORST CASE WIND ANGLE) (CONT.)

| RECEPTOR | * | CONC/LINK (PPM) | | | | | | | | | | | | | |
|----------|----|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | I | J | K | L | M | N | O | P | Q | R | S | T | | |
| 1. | SE | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2. | NW | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 3. | SW | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 4. | NE | * | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5. | ES | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 6. | WN | mdblk | * | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7. | WS | mdblk | * | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 8. | EN | mdblk | * | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 9. | SE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | NW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 11. | SW | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12. | NE | mdblk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 13. | ES | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 |
| 14. | WN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 |
| 15. | WS | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 16. | EN | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 |
| 17. | SE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 18. | NW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 19. | SW | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | NE | blk | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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