

CAL3QHC PC (32 BIT) VERSION 3.0.0
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Run Began on 4/24/2008 at 23:29:33

JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
 TIME : 23:29:33

The MODE flag has been set to C for calculating CO averages.

SITE & METEOROLOGICAL VARIABLES

VS = 0.0 CM/S VD = 0.0 CM/S Z0 = 10. CM
 U = 1.0 M/S CLAS = 6 (F) ATIM = 60. MINUTES MIXH = 1000. M AMB = 0.0 ug/m**3

LINK VARIABLES

| W | V/C | LINK DESCRIPTION | * X1 | Y1 | X2 | Y2 | * (M) | BRG TYPE (DEG) | VPH | EF (G/MI) | H (M) |
|-----|------|------------------|------------|-------|----------|-------|---------|----------------|-----|-----------|-------|
| | | 1. EB | * 549143.4 | ***** | 547530.8 | ***** | * 1641. | 259. AG | 32. | 100.0 | 0.0 |
| 3.7 | 0.87 | 273.5 | | | | | | | | | |
| | | 2. WB | * 549156.6 | ***** | 550778.8 | ***** | * 1623. | 88. AG | 32. | 100.0 | 0.0 |
| 3.7 | 0.86 | 270.5 | | | | | | | | | |

PAGE 2 JOB: NCRA CROSSING 4

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ADDITIONAL QUEUE LINK PARAMETERS

| LINK DESCRIPTION | * CYCLE | RED | CLEARANCE | APPROACH | SATURATION | IDLE | SIGNAL | ARRIVAL |
|------------------|----------|-------|-----------|----------|------------|---------|--------|---------|
| | * LENGTH | TIME | LOST TIME | VOL | FLOW RATE | EM FAC | TYPE | RATE |
| | * (SEC) | (SEC) | (SEC) | (VPH) | (VPH) | (gm/hr) | | |
| 1. EB | * 3600 | 815 | 2.0 | 1208 | 1800 | 52.60 | 1 | 3 |
| 2. WB | * 3600 | 815 | 2.0 | 1195 | 1800 | 52.60 | 1 | 3 |

RECEPTOR LOCATIONS

| RECEPTOR | * X | Y | Z | * |
|----------|------------|-------|-----|---|
| 1. | * 549144.3 | ***** | 1.8 | * |
| 2. | * 549121.8 | ***** | 1.8 | * |
| 3. | * 549099.4 | ***** | 1.8 | * |
| 4. | * 549076.9 | ***** | 1.8 | * |
| 5. | * 549054.4 | ***** | 1.8 | * |
| 6. | * 549032.0 | ***** | 1.8 | * |
| 7. | * 549009.5 | ***** | 1.8 | * |
| 8. | * 548987.1 | ***** | 1.8 | * |
| 9. | * 548964.6 | ***** | 1.8 | * |
| 10. | * 548942.1 | ***** | 1.8 | * |
| 11. | * 548919.6 | ***** | 1.8 | * |
| 12. | * 548897.2 | ***** | 1.8 | * |
| 13. | * 548874.7 | ***** | 1.8 | * |
| 14. | * 548852.2 | ***** | 1.8 | * |
| 15. | * 548829.8 | ***** | 1.8 | * |
| 16. | * 548807.3 | ***** | 1.8 | * |
| 17. | * 548784.9 | ***** | 1.8 | * |
| 18. | * 548762.4 | ***** | 1.8 | * |
| 19. | * 548739.9 | ***** | 1.8 | * |
| 20. | * 548717.4 | ***** | 1.8 | * |
| 21. | * 548695.0 | ***** | 1.8 | * |
| 22. | * 548672.5 | ***** | 1.8 | * |
| 23. | * 548650.1 | ***** | 1.8 | * |
| 24. | * 548627.6 | ***** | 1.8 | * |
| 25. | * 548605.1 | ***** | 1.8 | * |
| 26. | * 548582.6 | ***** | 1.8 | * |
| 27. | * 548560.2 | ***** | 1.8 | * |
| 28. | * 548537.8 | ***** | 1.8 | * |
| 29. | * 548515.2 | ***** | 1.8 | * |
| 30. | * 548492.8 | ***** | 1.8 | * |
| 31. | * 548470.3 | ***** | 1.8 | * |
| 32. | * 548447.9 | ***** | 1.8 | * |
| 33. | * 548425.4 | ***** | 1.8 | * |
| 34. | * 548402.9 | ***** | 1.8 | * |
| 35. | * 548380.4 | ***** | 1.8 | * |

Crossing4 (Carneros-8th St)

| | | | | | |
|-----|---|----------|-------|-----|---|
| 36. | * | 548358.0 | ***** | 1.8 | * |
| 37. | * | 548335.5 | ***** | 1.8 | * |
| 38. | * | 548313.1 | ***** | 1.8 | * |
| 39. | * | 548290.6 | ***** | 1.8 | * |
| 40. | * | 548268.1 | ***** | 1.8 | * |
| 41. | * | 548245.7 | ***** | 1.8 | * |
| 42. | * | 548223.2 | ***** | 1.8 | * |
| 43. | * | 548200.8 | ***** | 1.8 | * |

PAGE 3
JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | | * |
|----------|---|-----------------|-------|-----|---|
| | | X | Y | Z | |
| 44. | * | 548178.2 | ***** | 1.8 | * |
| 45. | * | 548155.8 | ***** | 1.8 | * |
| 46. | * | 548141.8 | ***** | 1.8 | * |
| 47. | * | 548164.3 | ***** | 1.8 | * |
| 48. | * | 548186.8 | ***** | 1.8 | * |
| 49. | * | 548209.2 | ***** | 1.8 | * |
| 50. | * | 548231.7 | ***** | 1.8 | * |
| 51. | * | 548254.1 | ***** | 1.8 | * |
| 52. | * | 548276.6 | ***** | 1.8 | * |
| 53. | * | 548299.1 | ***** | 1.8 | * |
| 54. | * | 548321.6 | ***** | 1.8 | * |
| 55. | * | 548344.0 | ***** | 1.8 | * |
| 56. | * | 548366.5 | ***** | 1.8 | * |
| 57. | * | 548388.9 | ***** | 1.8 | * |
| 58. | * | 548411.4 | ***** | 1.8 | * |
| 59. | * | 548433.9 | ***** | 1.8 | * |
| 60. | * | 548456.4 | ***** | 1.8 | * |
| 61. | * | 548478.8 | ***** | 1.8 | * |
| 62. | * | 548501.2 | ***** | 1.8 | * |
| 63. | * | 548523.8 | ***** | 1.8 | * |
| 64. | * | 548546.2 | ***** | 1.8 | * |
| 65. | * | 548568.7 | ***** | 1.8 | * |
| 66. | * | 548591.1 | ***** | 1.8 | * |
| 67. | * | 548613.6 | ***** | 1.8 | * |
| 68. | * | 548636.1 | ***** | 1.8 | * |
| 69. | * | 548658.6 | ***** | 1.8 | * |
| 70. | * | 548681.0 | ***** | 1.8 | * |
| 71. | * | 548703.5 | ***** | 1.8 | * |
| 72. | * | 548725.9 | ***** | 1.8 | * |
| 73. | * | 548748.4 | ***** | 1.8 | * |
| 74. | * | 548770.9 | ***** | 1.8 | * |
| 75. | * | 548793.3 | ***** | 1.8 | * |
| 76. | * | 548815.8 | ***** | 1.8 | * |
| 77. | * | 548838.2 | ***** | 1.8 | * |
| 78. | * | 548860.8 | ***** | 1.8 | * |
| 79. | * | 548883.2 | ***** | 1.8 | * |
| 80. | * | 548905.7 | ***** | 1.8 | * |
| 81. | * | 548928.1 | ***** | 1.8 | * |
| 82. | * | 548950.6 | ***** | 1.8 | * |
| 83. | * | 548973.1 | ***** | 1.8 | * |
| 84. | * | 548995.5 | ***** | 1.8 | * |
| 85. | * | 549018.0 | ***** | 1.8 | * |
| 86. | * | 549040.4 | ***** | 1.8 | * |
| 87. | * | 549062.9 | ***** | 1.8 | * |
| 88. | * | 549085.4 | ***** | 1.8 | * |
| 89. | * | 549107.9 | ***** | 1.8 | * |
| 90. | * | 549130.3 | ***** | 1.8 | * |
| 91. | * | 549156.4 | ***** | 1.8 | * |
| 92. | * | 549179.2 | ***** | 1.8 | * |
| 93. | * | 549202.1 | ***** | 1.8 | * |

PAGE 4
JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR LOCATIONS

| RECEPTOR | * | COORDINATES (M) | | | * |
|----------|---|-----------------|-------|-----|---|
| | | X | Y | Z | |
| 94. | * | 549224.9 | ***** | 1.8 | * |
| 95. | * | 549247.8 | ***** | 1.8 | * |
| 96. | * | 549270.6 | ***** | 1.8 | * |
| 97. | * | 549293.5 | ***** | 1.8 | * |

Crossing4 (Carneros-8th St)

| | | | | | |
|------|---|----------|-------|-----|---|
| 98. | * | 549316.3 | ***** | 1.8 | * |
| 99. | * | 549339.2 | ***** | 1.8 | * |
| 100. | * | 549362.0 | ***** | 1.8 | * |
| 101. | * | 549384.9 | ***** | 1.8 | * |
| 102. | * | 549407.7 | ***** | 1.8 | * |
| 103. | * | 549430.6 | ***** | 1.8 | * |
| 104. | * | 549453.4 | ***** | 1.8 | * |
| 105. | * | 549476.2 | ***** | 1.8 | * |
| 106. | * | 549499.1 | ***** | 1.8 | * |
| 107. | * | 549521.9 | ***** | 1.8 | * |
| 108. | * | 549544.8 | ***** | 1.8 | * |
| 109. | * | 549567.6 | ***** | 1.8 | * |
| 110. | * | 549590.5 | ***** | 1.8 | * |
| 111. | * | 549613.3 | ***** | 1.8 | * |
| 112. | * | 549636.2 | ***** | 1.8 | * |
| 113. | * | 549659.0 | ***** | 1.8 | * |
| 114. | * | 549681.9 | ***** | 1.8 | * |
| 115. | * | 549704.7 | ***** | 1.8 | * |
| 116. | * | 549727.6 | ***** | 1.8 | * |
| 117. | * | 549750.4 | ***** | 1.8 | * |
| 118. | * | 549773.2 | ***** | 1.8 | * |
| 119. | * | 549796.1 | ***** | 1.8 | * |
| 120. | * | 549818.9 | ***** | 1.8 | * |
| 121. | * | 549841.8 | ***** | 1.8 | * |
| 122. | * | 549864.6 | ***** | 1.8 | * |
| 123. | * | 549887.4 | ***** | 1.8 | * |
| 124. | * | 549910.3 | ***** | 1.8 | * |
| 125. | * | 549933.1 | ***** | 1.8 | * |
| 126. | * | 549956.0 | ***** | 1.8 | * |
| 127. | * | 549978.8 | ***** | 1.8 | * |
| 128. | * | 550001.7 | ***** | 1.8 | * |
| 129. | * | 550024.5 | ***** | 1.8 | * |
| 130. | * | 550047.4 | ***** | 1.8 | * |
| 131. | * | 550070.2 | ***** | 1.8 | * |
| 132. | * | 550093.1 | ***** | 1.8 | * |
| 133. | * | 550115.9 | ***** | 1.8 | * |
| 134. | * | 550138.8 | ***** | 1.8 | * |
| 135. | * | 550156.9 | ***** | 1.8 | * |
| 136. | * | 550134.1 | ***** | 1.8 | * |
| 137. | * | 550111.2 | ***** | 1.8 | * |
| 138. | * | 550088.4 | ***** | 1.8 | * |
| 139. | * | 550065.5 | ***** | 1.8 | * |
| 140. | * | 550042.7 | ***** | 1.8 | * |
| 141. | * | 550019.8 | ***** | 1.8 | * |
| 142. | * | 549997.0 | ***** | 1.8 | * |
| 143. | * | 549974.1 | ***** | 1.8 | * |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
 TIME : 23:29:33

RECEPTOR LOCATIONS

| RECEPTOR | X | Y | Z |
|----------|----------|-------|-----|
| 144. | 549951.3 | ***** | 1.8 |
| 145. | 549928.4 | ***** | 1.8 |
| 146. | 549905.6 | ***** | 1.8 |
| 147. | 549882.8 | ***** | 1.8 |
| 148. | 549859.9 | ***** | 1.8 |
| 149. | 549837.1 | ***** | 1.8 |
| 150. | 549814.2 | ***** | 1.8 |
| 151. | 549791.4 | ***** | 1.8 |
| 152. | 549768.6 | ***** | 1.8 |
| 153. | 549745.7 | ***** | 1.8 |
| 154. | 549722.9 | ***** | 1.8 |
| 155. | 549700.0 | ***** | 1.8 |
| 156. | 549677.2 | ***** | 1.8 |
| 157. | 549654.3 | ***** | 1.8 |
| 158. | 549631.5 | ***** | 1.8 |
| 159. | 549608.6 | ***** | 1.8 |
| 160. | 549585.8 | ***** | 1.8 |
| 161. | 549562.9 | ***** | 1.8 |
| 162. | 549540.1 | ***** | 1.8 |
| 163. | 549517.2 | ***** | 1.8 |
| 164. | 549494.4 | ***** | 1.8 |
| 165. | 549471.6 | ***** | 1.8 |
| 166. | 549448.8 | ***** | 1.8 |
| 167. | 549425.9 | ***** | 1.8 |
| 168. | 549403.0 | ***** | 1.8 |
| 169. | 549380.2 | ***** | 1.8 |
| 170. | 549357.3 | ***** | 1.8 |
| 171. | 549334.5 | ***** | 1.8 |
| 172. | 549311.6 | ***** | 1.8 |

Crossing4 (Carneros-8th St)

| | | | | | |
|------|---|----------|-------|-----|---|
| 173. | * | 549288.8 | ***** | 1.8 | * |
| 174. | * | 549265.9 | ***** | 1.8 | * |
| 175. | * | 549243.1 | ***** | 1.8 | * |
| 176. | * | 549220.2 | ***** | 1.8 | * |
| 177. | * | 549197.4 | ***** | 1.8 | * |
| 178. | * | 549174.6 | ***** | 1.8 | * |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | CONCENTRATION (ug/m**3) | REC1 | REC2 | REC3 | REC4 | REC5 | REC6 | REC7 | REC8 | REC9 | REC10 | REC11 | REC12 |
|-------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0. | * | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 10. | * | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 20. | * | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 30. | * | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 40. | * | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 50. | * | 114.3 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 60. | * | 114.3 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 70. | * | 114.3 | 228.6 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 80. | * | 228.6 | 228.6 | 228.6 | 342.9 | 342.9 | 228.6 | 342.9 | 342.9 | 342.9 | 342.9 | 457.1 | 457.1 |
| 90. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 210. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 220. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 230. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 240. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 250. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 260. | * | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 571.4 | 571.4 |
| 270. | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 280. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 290. | * | 114.3 | 114.3 | 228.6 | 114.3 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 300. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

Crossing4 (Carneros-8th St)

| | | | | | | | | | | | | | | |
|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 228.6 | 114.3 | 228.6 | | | | |
| 310. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 320. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 330. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 340. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 350. | * 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

| | | | | | | | | | | | | | |
|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | * 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 571.4 | 571.4 | 571.4 |
| 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 260 | 260 | 260 |
| DEGR. | * 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |
| 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |

PAGE 7
 JOB: NCRA CROSSING 4
 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | * CONCENTRATION (ug/m**3) | REC21 | REC22 | REC23 | REC24 | REC25 | REC26 | REC27 | REC28 | REC29 | REC30 | REC31 |
|-------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| REC32 | REC33 | REC34 | REC35 | REC36 | REC37 | REC38 | REC39 | REC40 | | | | |
| 0. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 10. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 20. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 30. | * 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 40. | * 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 50. | * 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 60. | * 342.9 | 228.6 | 342.9 | 228.6 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 70. | * 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 571.4 | 457.1 |
| 571.4 | 457.1 | 571.4 | 457.1 | 571.4 | 571.4 | 457.1 | 571.4 | 457.1 | 457.1 | 457.1 | 571.4 | 457.1 |
| 80. | * 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 800.0 | 685.7 |
| 800.0 | 685.7 | 800.0 | 685.7 | 685.7 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 0.0 | 0.0 |
| 90. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 210. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 220. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 230. | * 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Crossing4 (Carneros-8th St) | | | | | | | | | | | | | | |
|-----------------------------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 240. | * | 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 | | 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 |
| 250. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 |
| 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 |
| 260. | * | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 800.0 | 685.7 |
| 800.0 | | 685.7 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 685.7 | 685.7 | 685.7 |
| 270. | * | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |
| 571.4 | | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |
| 280. | * | 228.6 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 342.9 |
| 290. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 300. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 310. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 320. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 330. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 340. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 350. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

| | | | | | | | | | | | | |
|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | * | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 800.0 | 685.7 |
| 800.0 | | 685.7 | 800.0 | 685.7 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 685.7 | 685.7 | 685.7 |
| DEGR. | * | 260 | 260 | 260 | 260 | 80 | 260 | 80 | 260 | 80 | 260 | 80 |
| 260 | | 80 | 80 | 80 | 80 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |

PAGE 8
 JOB: NCRA CROSSING 4
 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | CONCENTRATION (ug/m**3) | REC41 | REC42 | REC43 | REC44 | REC45 | REC46 | REC47 | REC48 | REC49 | REC50 | REC51 |
|-------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| REC52 | REC53 | REC54 | REC55 | REC56 | REC57 | REC58 | REC59 | REC60 | | | | |
| 0. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60. | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 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 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70. | * | 571.4 | 457.1 | 571.4 | 457.1 | 457.1 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80. | * | 685.7 | 571.4 | 571.4 | 571.4 | 571.4 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 90. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 100. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 110. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 120. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 130. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 140. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 150. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 160. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 170. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

Crossing4 (Carneros-8th St)

| | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 180. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 190. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 200. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 210. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 220. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 230. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 240. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 250. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 260. | * | 800.0 | 571.4 | 685.7 | 571.4 | 685.7 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 270. | * | 571.4 | 457.1 | 457.1 | 457.1 | 457.1 | 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 | 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 |
| 280. | * | 342.9 | 228.6 | 342.9 | 228.6 | 342.9 | 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 | 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 |
| 290. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 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 | 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 |
| 300. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 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 | 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 |
| 310. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 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 |
| 320. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 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 |
| 330. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 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 |
| 340. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 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 |
| 350. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 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 | 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 |

| | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | * | 800.0 | 571.4 | 685.7 | 571.4 | 685.7 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| DEGR. | * | 260 | 260 | 260 | 260 | 260 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

PAGE 9
 JOB: NCRA CROSSING 4
 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | REC61 | REC62 | REC63 | REC64 | REC65 | REC66 | REC67 | REC68 | REC69 | REC70 | REC71 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 20. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70. | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80. | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 90. | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 100. | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |

Crossing4 (Carneros-8th St)

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | RE132 | RE133 | RE134 | RE135 | RE136 | RE137 | RE138 | RE139 | RE140 | RE129 | RE130 | RE131 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| 10.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 20.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 40.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 50.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 60.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 70.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 80.0 | 0.0 | 0.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 0.0 | 0.0 | 0.0 |
| 90.0 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |
| 100.0 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 110.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 120.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 130.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 140.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 150.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 160.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 170.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 180.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 190.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 200.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 210.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 220.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 230.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 240.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 250.0 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 260.0 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |
| 270.0 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 280.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 290.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 300.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 310.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 320.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 330.0 | 0.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 340.0 | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 350.0 | 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 0.0 0.0 114.3 114.3 Crossing4 (Carneros-8th St) 114.3 114.3 114.3 114.3

| | | | | | | | | | | | | |
|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | * | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |
| 457.1 | | 571.4 | 571.4 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| DEGR. | * | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 90 | | 90 | 90 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

PAGE 13

JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | CONCENTRATION (ug/m**3) | RE141 | RE142 | RE143 | RE144 | RE145 | RE146 | RE147 | RE148 | RE149 | RE150 | RE151 |
|-------------------|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| RE152 | RE153 | RE154 | RE155 | RE156 | RE157 | RE158 | RE159 | RE160 | | | | |
| 0. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 10. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 20. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 30. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 40. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 50. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 60. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 70. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 80. | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 90. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 100. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 210. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 220. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 230. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 240. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 250. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 260. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 270. | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 228.6 | 228.6 | 228.6 | 228.6 |
| 280. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |

Crossing4 (Carneros-8th St)

| | | | | | | | | | | | | | |
|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 290. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 300. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 310. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 320. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 330. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 340. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 350. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

-----*

| | | | | | | | | | | | | | |
|-------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MAX | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| DEGR. | * | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 80 | | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

PAGE 14

JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

MODEL RESULTS

REMARKS : In search of the angle corresponding to the maximum concentration, only the first angle, of the angles with same maximum concentrations, is indicated as maximum.

WIND ANGLE RANGE: 0.-350.

| WIND ANGLE (DEGR) | * CONCENTRATION (ug/m**3) | RE161 | RE162 | RE163 | RE164 | RE165 | RE166 | RE167 | RE168 | RE169 | RE170 | RE171 |
|-------------------|---------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 10. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 20. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 30. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 40. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 50. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 60. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 70. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 80. | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 90. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 100. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 190. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 200. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 210. | * | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 220. | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Crossing4 (Carneros-8th St) | | | | | | | | | | | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 | 0.0 | 0.0 |
| 230. | * | 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 |
| 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 | 0.0 | 0.0 |
| 240. | * | 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 |
| 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 | 0.0 | 0.0 |
| 250. | * | 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 |
| 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 | 0.0 | 0.0 |
| 260. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 342.9 | 342.9 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 342.9 | 342.9 |
| 270. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 342.9 | 342.9 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 114.3 | 114.3 | 114.3 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 280. | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 114.3 | 114.3 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 290. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 300. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 310. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 320. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 330. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 340. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 350. | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

| | | | | | | | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----* | | | | | | | | | | | | | | | |
| MAX | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| DEGR. | * | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

THE HIGHEST CONCENTRATION OF 800.0 ug/m**3 OCCURRED AT RECEPTOR REC41.

PAGE 15
 JOB: NCRA CROSSING 4 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS
 DATE : 04/24/ 0
 TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) | | | | | | | | | | | | | |
|--------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | * ANGLE (DEGREES) | | | | | | | | | | | | | |
| | | REC1 | REC2 | REC3 | REC4 | REC5 | REC6 | REC7 | REC8 | REC9 | REC10 | REC11 | REC12 | REC13 | REC14 |
| REC12 | REC13 | REC14 | REC15 | REC16 | REC17 | REC18 | REC19 | REC20 | REC21 | REC22 | REC23 | REC24 | REC25 | REC26 | REC27 |
| LINK # | * | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |
| 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |

| | | | | | | | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----* | | | | | | | | | | | | | | | |
| 1 | * | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |
| 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |
| 2 | * | 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 |
| 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 | 0.0 | 0.0 |

PAGE 16
 JOB: NCRA CROSSING 4 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS
 DATE : 04/24/ 0
 TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) | | | | | | | | | | | | | |
|--------|-------|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | * ANGLE (DEGREES) | | | | | | | | | | | | | |
| | | REC21 | REC22 | REC23 | REC24 | REC25 | REC26 | REC27 | REC28 | REC29 | REC30 | REC31 | REC32 | REC33 | REC34 |
| REC32 | REC33 | REC34 | REC35 | REC36 | REC37 | REC38 | REC39 | REC40 | REC41 | REC42 | REC43 | REC44 | REC45 | REC46 | REC47 |
| LINK # | * | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 |
| 260 | 80 | 80 | 80 | 80 | 80 | 260 | 80 | 260 | 260 | 260 | 260 | 260 | 80 | 260 | 80 |

| | | | | | | | | | | | | | | | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| -----* | | | | | | | | | | | | | | | |
| 1 | * | 685.7 | 571.4 | 685.7 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |
| 800.0 | 571.4 | 685.7 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 | 685.7 | 571.4 |
| 2 | * | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 114.3 | 0.0 | 114.3 | 0.0 | 114.3 | 0.0 | 114.3 | 0.0 | 114.3 |
| 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

PAGE 17
 JOB: NCRA CROSSING 4 RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

Crossing4 (Carneros-8th St)

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) * ANGLE (DEGREES) | | | | | | | | | | | | |
|--------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | REC41 | REC42 | REC43 | REC44 | REC45 | REC46 | REC47 | REC48 | REC49 | REC50 | REC51 | | |
| REC52 | REC53 | REC54 | REC55 | REC56 | REC57 | REC58 | REC59 | REC60 | | | | | | |
| LINK # | * | 260 | 260 | 260 | 260 | 260 | 80 | 80 | 80 | 80 | 80 | 80 | | |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | | |
| -----* | | | | | | | | | | | | | | |
| 1 | * | 800.0 | 571.4 | 685.7 | 571.4 | 685.7 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 2 | * | 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 | 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 |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) * ANGLE (DEGREES) | | | | | | | | | | | | |
|--------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | REC61 | REC62 | REC63 | REC64 | REC65 | REC66 | REC67 | REC68 | REC69 | REC70 | REC71 | | |
| REC72 | REC73 | REC74 | REC75 | REC76 | REC77 | REC78 | REC79 | REC80 | | | | | | |
| LINK # | * | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | | |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | | |
| -----* | | | | | | | | | | | | | | |
| 1 | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 |
| 2 | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) * ANGLE (DEGREES) | | | | | | | | | | | | |
|--------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | REC81 | REC82 | REC83 | REC84 | REC85 | REC86 | REC87 | REC88 | REC89 | REC90 | REC91 | | |
| REC92 | REC93 | REC94 | REC95 | REC96 | REC97 | REC98 | REC99 | RE100 | | | | | | |
| LINK # | * | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | |
| 90 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | 260 | | |
| -----* | | | | | | | | | | | | | | |
| 1 | * | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 |
| 0.0 | 342.9 | 342.9 | 342.9 | 228.6 | 228.6 | 228.6 | 228.6 | 228.6 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 2 | * | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 228.6 | 228.6 | 342.9 | 571.4 | 571.4 |
| 571.4 | 228.6 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0
TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING
THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | * PM/LNK(ug/m**3) * ANGLE (DEGREES) | | | | | | | | | | | | |
|--------|-------|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|--|
| | | RE101 | RE102 | RE103 | RE104 | RE105 | RE106 | RE107 | RE108 | RE109 | RE110 | RE111 | | |
| RE112 | RE113 | RE114 | RE115 | RE116 | RE117 | RE118 | RE119 | RE120 | | | | | | |
| LINK # | * | 90 | 90 | 260 | 260 | 260 | 90 | 260 | 260 | 260 | 260 | 260 | | |
| 260 | 260 | 260 | 260 | 260 | 260 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | | |

Crossing4 (Carneros-8th St)

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 1 | * | 0.0 | 0.0 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 |
| 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 114.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2 | * | 571.4 | 571.4 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 |
| 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 457.1 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

DATE : 04/24/ 0

TIME : 23:29:33

RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | | | | | | | | | | | | | |
|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| | * | PM/LNK(ug/m**3) | | | | | | | | | | | | |
| | * | ANGLE (DEGREES) | | | | | | | | | | | | |
| | * | RE121 | RE122 | RE123 | RE124 | RE125 | RE126 | RE127 | RE128 | RE129 | RE130 | RE131 | | |
| RE132 | RE133 | RE134 | RE135 | RE136 | RE137 | RE138 | RE139 | RE140 | | | | | | |
| LINK # | * | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 | 90 |
| 90 | 90 | 90 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| 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 | 0.0 |
| 2 | * | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 | 571.4 |
| 457.1 | 571.4 | 571.4 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |

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JOB: NCRA CROSSING 4

RUN: WORST CASE CROSSING DELAY CO HOT SPOTS

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RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | | | | | | | | | | | | | |
|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| | * | PM/LNK(ug/m**3) | | | | | | | | | | | | |
| | * | ANGLE (DEGREES) | | | | | | | | | | | | |
| | * | RE141 | RE142 | RE143 | RE144 | RE145 | RE146 | RE147 | RE148 | RE149 | RE150 | RE151 | | |
| RE152 | RE153 | RE154 | RE155 | RE156 | RE157 | RE158 | RE159 | RE160 | | | | | | |
| LINK # | * | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| 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 | 0.0 |
| 2 | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |

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JOB: NCRA CROSSING 4

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RECEPTOR - LINK MATRIX FOR THE ANGLE PRODUCING THE MAXIMUM CONCENTRATION FOR EACH RECEPTOR

| | | | | | | | | | | | | | | |
|--------|-------|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|----|
| | * | PM/LNK(ug/m**3) | | | | | | | | | | | | |
| | * | ANGLE (DEGREES) | | | | | | | | | | | | |
| | * | RE161 | RE162 | RE163 | RE164 | RE165 | RE166 | RE167 | RE168 | RE169 | RE170 | RE171 | | |
| RE172 | RE173 | RE174 | RE175 | RE176 | RE177 | RE178 | | | | | | | | |
| LINK # | * | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 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 |
| 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 | 0.0 |
| 2 | * | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |
| 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 | 342.9 |