

APPENDIX B

A background concentration of 1.2 ppm has been added to the above concentrations. This background concentration is based on recommendations contained in the "Carbon Monoxide Hotspot Guidelines, Volume III."

A winter temperature of 32⁰ F was used in this analysis.

Meteorological Data (obtained from West Lafayette, Indiana)

wind angle (157⁰), wind speed (2 mph)
wind direction (SSE), stability class (D)

Percent Hot-Cold Starts (Rural Location) - 0%

Percent Vehicle Types
(Based on National Averages)

<u>Roadways</u>	<u>Automobiles</u>	<u>Light-duty Trucks (1)</u>	<u>Light-duty Trucks (2)</u>	<u>Heavy duty Gas Trucks</u>	<u>Heavy duty Diesel Trucks</u>	<u>Motorcycles</u>
1	82.6%	6.0%	5.9%	3.0%	2.0%	0.5%
2	86.0%	6.3%	6.2%	0.6%	0.4%	0.5%
3	84.2%	6.2%	6.1%	1.8%	1.2%	0.5%

Roadways

- 1 US 231 No Build, Lines A, B, C and 1
- 2 Line 2 (McCormick Road No-Build)
- 3 Line 2

Vehicle Speed

	<u>No-Build</u>	<u>Build</u>
Lines A, B, and C	---	55 mph
Line 1	---	45 mph
Line 2	45 mph	45 mph