

Description of General Input Values
For TEXIN Model

Variable Description	Variable Range	Input Values for Wisconsin Carbon Monoxide Calculations
Option Flag for vehicle mix	0 - Program Default 1 - User Supplied	User Preference
Option Flag for Output	0 - Abbreviated 1 - Basic Output 2 - Extended Output	User Preference
Option Flag for Type of Intersection	0 - Unsignalized 1 - Signalized	Specific to Project
Number and Coordinates of Receptors, in meters	Maximum 20 receptors	Specific to Project
Number and Coordinates of additional links (other than four intersection links) on which traffic has no delay, in meters	No Maximum	Specific to Project
Number and Coordinates of additional links (other than four intersection links) on which traffic incurs delay, in meters	No Maximum	Specific to Project
Number of Phases	0 - Unsignalized	Specific to Project
Signal cycle length	-----	Specific to Project
Link association number (for four intersection links)	1 - North 2 - East 3 - South 4 - West	Use 1 - 4 when defining intersection links
Coordinates of intersection links, in meters	Maximum - 4	Specific to Project
Roadway type	At-grade, fill, depressed, bridge	Specific to Project
Roadway width, in meters (not including shoulders)	-----	Specific to Project
Source height, in meters	-10.0 to 10.0 At-grade = 0	Specific to Project
Number of vehicles approaching the intersection on the link, in vehicles per hour	-----	Specific to Project
Average speed of non-delayed vehicles on the link, in miles per hour	-----	Specific to Project
Number of approach lanes on the link	-----	Specific to Project
Number of exclusive left tun lanes on the link	-----	Specific to Project

Variable Description	Variable Range	Input Values for Wisconsin Carbon Monoxide Calculations
Number of exclusive right turn lanes on the link	-----	Specific to Project
Fraction of vehicles turning left on the link	0.0 to 1.0	Specific to Project
Fraction of vehicles turning right on the link	0.0 to 1.0	Specific to Project
Option flag for left turn signalization for the link	0 - No left turn phase 1 - Left turn phase	Specific to Project
Wind Speed, in meters per second	≥1.0	1.0
Wind Angle, in degree from north	0 to 360	Specific to Project
Ambient Temperature, in degrees Fahrenheit	0 to 110	20.0
Atmospheric Stability Class	A to F	E - Urban Areas F - Rural Areas
Mixing Height, in meters	≥0.0	1,000.0
Ambient CO concentration, in parts per million	≥0.0	See FDM 22-30-1
Surface Roughness, in centimeters	3.0 to 400.0	See Table A2, TEXIN User's Guide
Averaging Time, in minutes	3.0 to 120.0	60.0
Region for which emission factors are to be calculated	1 - Low Altitude, Non-California 2 - Low Altitude, California 3 - High Altitude, Non-California	1
Calendar year for which emission factors are to be calculated	-----	Specific to Project
Percent of VMT accumulated in cold-start mode by noncatalyst equipped vehicles types (PCCN)	0 to 100	See FDM 22-20 Attachment 5.2
Percent of VMT accumulated in hot-start mode by catalyst equipped vehicles type (PCHC)	0 to 100	See FDM 22-20 Attachment 5.2
Percent of VMT accumulated in cold-start mode by catalyst equipped vehicles types (PCCC)	0 to 100	See FDM 22-20 Attachment 5.2
Vehicle Mix	-----	Calculated by user or use program default