Project 8520-01-05/75

Non-ATR Design Value Estimation

TRAF_SITEID	Design Year	Design Year AADT	SFG	Num Lanes	P	K30	K100	K250	D	Daily Truck Percentage	T(PHV)	T(DHV)
570304	2046	13960	4	2	11.8	10.4	9.8	9.2	60/40	27.0%	12.2	22.7

Notes: The calculations in columns G-K and M-N are based on the data in the "K Factor Regression", "Directional Split", and "Pct Truck in Peak & Design Hour" tabs. For ATR-specific data, see the "ATR Design Hour Volumes" tab.

Directions:

1. Enter the six-digit traffic count site ID. This will trigger an automatic lookup for the seasonal factor group (SFG) for sites on the state trunk highway system.

2. Enter the design (future forecast) year. This will trigger an automatic lookup for the planning-level forecast AADT for sites on the state trunk highway system in column D for the corresponding design year.

3. Planning-level forecast data is auto-populated in column D. This is the same data located in the planning-level forecast spreadsheet (see link below). If using a project-level forecast, enter the design year AADT in column D to override the planning-level forecast.
http://wisconsindot.gov/Documents/projects/data-plan/traf-fore/planning.xlsx

4. The SFG is auto-populated for sites on the state trunk highway system. If necessary, enter a SFG value to override the auto-populated value. SFG definitions are located on the "Data Dictionary" tab.

5. Enter the number of lanes at the traffic count site location.

6. Enter the daily truck percentage as a decimal. For example, if the truck percentage is 15%, enter ".15" (without the quotation marks). Vehicle classification data is available in the vehicle classification data spreadsheet (see link below).
http://wisconsindot.gov/Documents/projects/data-plan/traf-fore/class.xlsx

Site # 570304 - Growth Factor = 1.34%

Year	AADT	
2017	9320	Note: Traffic Site #570304 is in Hayward near a Walmart. Volumes drop significantly east of Hayward.
2026	11430	
2036	12790	
2046	13960	Daily Truck Percentage from Site #570332 (2017)