

TRAFFIX Feature Comparison

Version 10.0 vs. version 8.0

Feature	Version 10,0	Version 8.0
Number of Zones	100 combined	75
Number of Gates		50
Number of Study Intersections	2,500	300
Multiple Scenarios in Same File?	No (to be added in 2010)	Yes
TIA process wizard	Yes, TRAFFIX Navigator	No
Trip Generation	User defined	User defined
Trip Distribution	User def., matrix based (absolute or percent)	User defined
O/D Matrix Estimation	Yes	No
Trip Assignment	Additive, via User Defined Paths or Shortest Path Algorithms	Additive, via User Defined Paths or Shortest Path Algorithms
Peak Hour Signal Warrant Analysis?	No (to be added by Fall 2009)	Yes
Interactive LOS Mitigation Screen?	Yes, fully user configurable including live synchronized Excel sheet	Yes
Background Image File Types	BMP, WMF, GIF, JPG, JPG2, PNG, PSD, TIF, TGA, DWG, DXF, ECW, SHP, SID, SVG	BMP, DXF, JPG, GIF, PCX, TGA, TIF
Background Image Scalable?	Yes	No
GIS Import	Yes, Shape file and Personal Geo Database	No
Queueing Calculations	HCM Back of Queue (Average, 70th, 85, 90th, 95th, 98th Percentile)	Poisson 95th Percentile Design Queue, Average Queue, HCM Back of Queue (Average, 70th,85th,90,95th,98th Percentile),Other.
Fuel/Emissions Calculations	Greenhouse gas emissions that support analysis related to recent California legislation SB 375 and AB 32	Number of Stops, Fuel Consumption, CO, CO2, HC, Nox using Can. Cap. Guide (1995) Calculations.
Left-Hand Side Driving Option?	Yes	Yes
Option for Metric?	Yes	Yes
Multi-leg intersections	Yes	No
Cycle Split Optimization?	Yes	Yes
Cycle Length Optimization?	Yes	Yes
Offset Optimization?	Yes	No
Export to VISSIM	Yes	No
Export to Synchro 7?	Yes	Yes
Export to HCS?	No	Yes
Export to Other File Types	Windows clip board	ASCII, XML
Analyzes Signalized Intersections	HCM 2000 (Circular 212 Planning and ICU to be added by Fall 2009)	HCM 2000, 1997, 1994, 1985 Methods. Circular 212 Planning and Operations Methods. ICU Method. Can. Cap. Guide 1995. Others.
Analyzes Unsignalized Intersections	HCM 2000	HCM 2000, 1997, 1994, 1985 Methods.
Analyzes Roundabouts	NCHRP 572 and TRL/Kimber	FHWA Method
Analyzes Urban Streets	No (to be add in 2010)	HCM 2000, 1997, 1994, 1985 Methods.
User Adjustments Allowed to Reflect Field Conditions?	Saturation Flow, Delays, Critical Gap and Follow-up Time Adjustments	Saturation Flow, Delays, Critical Gap and Follow-up Time Adjustments
Volume Adjustments Allowed?	Growth Factor, User Volume Adjustments, Pass-by Volumes	Growth Factor, User Volume Adjustments, Pass-by Volumes
Trip Tracking and Fair Share Calculations?	Yes	Yes
Report Options	Report created in spreadsheet format for easy customization and cut and paste within MS Office or OpenOffice	Multiple Pre-Set Report Options. Print from Screen or to RTF, ASCII, or XML Files.
Output Graphics	Numerous map based output graphics	No