REI® Software engineering software & services Bentley®

OpenFlows™ Sewer Comparison Chart

	OpenFlows Sewer Ultimate	OpenFlows Sewer Advanced	OpenFlows Sewer Standard	OpenFlows Sewer Essentials
Sizing	Unlimited Pipes	≤5,000 pipes	≤1,000 pipes	≤100 pipes
Run OpenFlows Sewer within MicroStation®, OpenRoads™ Designer, OpenSite® Designer*, OpenRail™ Designer*, AutoCAD*, or as a stand-alone interface	◆	◆	◆	◆
Run OpenFlows Sewer within ArcGIS* and ArcGIS Pro*	◆	◆		
Model Building				
Automated catchment delineation from terrain	◆	◆	◆	◆
Automatic sanitary load allocation from geospatial data, flow monitors, and property connections	◆	◆	◆	◆
Creation of model elements from CAD drawings	◆	◆	◆	◆
Import/export of LandXML, MX Drainage, and InRoads® storm and sanitary data	◆	◆	◆	◆
Seed files for new model templates	◆	◆	◆	◆
Model building and synchronization with shapefiles, spreadsheets, databases, Oracle Spatial, and open database connectivity connections	◆	◆	◆	◆
Model building and synchronization with geodatabases, geometric networks, and SDE	◆	◆		
Automated NRCS curve number and rational “c” weighting from land use polygons	◆	◆		
SCADAConnect® for live system data connections	◆	◆		
Import/export of SWMM and MicroDrainage model files	◆	◆		
Scenario and Model Management				
Comprehensive, unlimited scenario management	◆	◆	◆	◆
Active topology to activate or deactivate network elements	◆	◆	◆	◆
Customizable engineering libraries	◆	◆	◆	◆
Dynamic and static selection sets	◆	◆	◆	◆
Orphan node and dead-end pipe queries	◆	◆	◆	◆
Surface flow path tracing from terrain	◆	◆	◆	◆
ProjectWise® integration	◆	◆	◆	◆

**License Required*

Hydraulics and Operations	OpenFlows Sewer Ultimate	OpenFlows Sewer Advanced	OpenFlows Sewer Standard	OpenFlows Sewer Essentials
GVF-convex solver for steady-state and extended-period simulations for sewer (convex routing and EPANET-based pressure network solution)	◆	◆	◆	◆
Extreme flow factors for use with steady-state simulation	◆	◆	◆	◆
Energy cost analysis	◆	◆	◆	◆
Air valves for high points in force mains	◆	◆	◆	◆
Low-impact development controls	◆	◆	◆	◆
Rule-based controls	◆	◆	◆	◆
Tractive stress calculation	◆	◆	◆	◆
Variable-speed pumps	◆	◆	◆	◆
Totalizing flow meters	◆	◆	◆	◆
Ability to model individual property connections, taps, and laterals	◆	◆	◆	◆
Inline control structures and diversions** (weirs, orifices, and depth-flow curves)	◆	◆	◆**	◆**
Automatic constraint-based design of gravity systems	◆	◆	◆	◆
HEC-22 node headloss calculations	◆	◆	◆	◆
HEC-22 inlet capacity calculations	◆	◆		
Two solvers for the full set of 1D Saint-Venant equations: implicit dynamic and explicit dynamic (EPA-SWMM)	◆	◆		
GVF-rational solver for stormwater (rational method flow calculation)	◆	◆		
Long-term continuous simulation	◆	◆		
1D/2D hydraulic analysis for surface flood modeling	◆	◆		
Critical storm analysis	◆	◆		
Hydrogen sulfide formation	◆	◆		
V-shaped and parabolic gutters	◆	◆		
Culvert headwalls with SWMM and HDS-5 culvert support	◆	◆		
Evaporation definition	◆	◆		
Aquifer simulation	◆	◆		
Pollutant analysis with optional definition of land use categories and surface characteristics	◆	◆		
Results Presentation				
Thematic mapping with color coding	◆	◆	◆	◆
Scenario and element comparison	◆	◆	◆	◆
ArcGIS Pro* visualization	◆	◆		
Grid browser for visualizing 2D surface input and output data	◆	◆		
Gutter cross section viewer	◆	◆		

*License Required
**Diversion structures require manual rating table definition at this feature level

REI Software Bentley
engineering software & services

Contact Us

Line Official Account: @reisoftware

Tel: 02-6451018-9, 098-928-9629

Website: www.reisoftwareth.com