



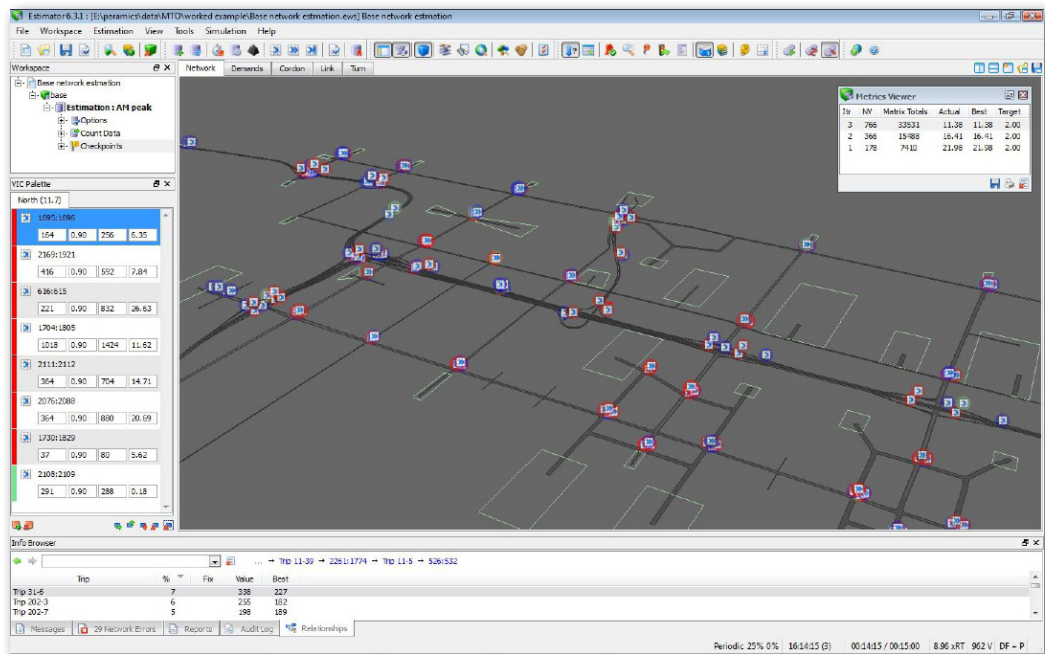
estimation

paramics, open, transparent and auditable solutions

The ability to accurately model OD demand in Quadstone Paramics is one of our biggest strengths; Quadstone has been developing processes for applying macro level travel demand to micro level detail for over 10 years, continually improving the way in which traditional 4-step models and microsimulation models can be interfaced. Paramics Estimator forms a key part of this development strategy.

Estimator (microscopic OD Estimation) is unique in that it allows the OD demand taken from planning and land use to be applied at the microscopic level taking account of very realistic routing patterns and even dynamic changes in route choice as the simulation takes place. Estimator is a genuine bridge between the macro/meso and micro levels of detail and with the benefit of involving some of our most advanced users (with the most complex networks) in the development we have shown time and time again that it works.

Estimator is designed to make the OD estimation process as open, transparent and auditable as possible. Users can interact directly with the OD estimation process “as it runs”, avoiding the need for long cyclic estimation processes and placing the engineer’s skills, local knowledge, and experience at the heart of the system. The revolutionary estimation process adopted by Estimator makes it possible to address the most challenging of problems for example a downtown grid network with a high degree of route switching.



Paramics estimator showing comparisons between observed and simulated flows

overview