



case study

paramics, a flexible platform for all your needs

Since the mid 1990's, Quadstone Paramics has been used worldwide for thousands of projects; ranging from the traditional to more cutting edge deployments.

Common Application Areas :-

- Signalised and priority intersections
- Roundabouts, toll plazas and weaving areas
- Corridor studies and congested freeways
- Public transport and light rail
- Work zones and event management
- Special user groups including HOV, HOT
- Public presentation
- Intelligent Transportation Systems (ITS) including ramp metering, VMS, dynamic route control, special lane usage and freeway management

Corridor Study



The State of California Department of Transportation (Caltrans) used Quadstone Paramics to study heavily congested highways used by commuters travelling to work in the San Francisco Bay area from the Central Valley. This covered a 50Km section of freeway, 12 freeway interchanges and 3 major freeway-to-freeway interchanges.

Sea Port



Demonstrating alternative uses of Quadstone Paramics, Regal Decisions successfully applied the software in the optimal reallocation of vessels to other seaports, for when the seaport they are bound to is closed. Quadstone Paramics Programmer was used to develop a custom solution integrating into 3rd party software specifically for this project.

Truck Dedicated Lane



The International Intermodal Transportation Center of New Jersey Institute of Technology used Quadstone Paramics to analyse phase 1 of the Newark / Elizabeth Port / Portway project. This project involved the study of a truck dedicated path to provide a better connection between the Port and the other transportation/freight facilities in the area and Intermodal rail yards.

Miami Downtown



Leftwich Consulting Engineers, Inc. tackled one of Quadstone Paramics' largest applications in the USA, Quadstone Paramics was chosen to model 481 junctions and 361 major intersections of which 140 are signalised. The software was used to analyse future alternatives in roadway improvements and plan for significant increases in transit integration.

Tunnel Simulation



The Swedish Road Administration used Quadstone Paramics to model a tunnel simulator, interfacing the software to other systems using the Programmer API. The model was developed to better understand, and to develop procedures for, the first 10 minutes of a car fire within the tunnel.

Midtown Manhattan



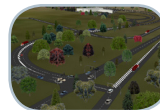
Urbitrans deployed Quadstone Paramics to model a sizeable area of West Midtown Manhattan, New York City. They assessed current and future road conditions and the effects of road closures due to railroad rehabilitation work.

Urban Evacuation



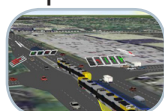
The University of Utah modelled an area of urban wildland. They used Quadstone Paramics to plan alternatives that would help speed up the evacuation in the case of a wildfire. The result significantly reduced evacuation times.

Border Crossing



Edwards and Kelcey conducted a project to upgrade the facilities and to reconfigure the roadway network on the international border between Canada and the U.S. at the Massena, NY Point-of-Entry.

Rapid Transit



Jacobs Edwards and Kelcey used Paramics to conduct a transit study for the Indianapolis region. Wide use of 3D PMX models was made to aid the visualisation of transit operations.

Rail Terminal



GTA Consultants was engaged to assess the impact on existing roads of introducing freight trains into the Port of Melbourne in the short and long term to the year 2020.

customer experience