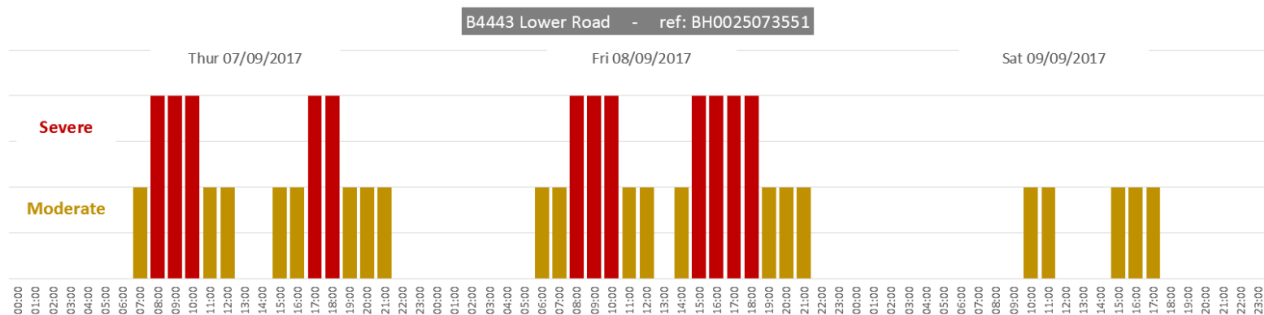Traffic Disruption Analytics is a tool to enable streetworks and network planners to improve the planning of works schemes, public events and associated traffic management by interrogating the disruption caused by previous works and events on the same road.

The Real-Time Map enables Elgin to log periods during which works and traffic management interventions were associated with substantial congestion, as validated against TomTom real-time and historic traffic flow information. This data is recorded against historic works records held in the roadworks.pro database, providing a "Disruption Profile" by time of day and day of the week for past works. We envisage exposing this powerful data to users in the following way:

- User zooms map to desired location where future works are planned
- User selects a data range in the past on the roadworks.pro map
- Historic works are displayed on the map.
- User interrogates historic works and identifies those of interest
- The system outputs a simple Disruption Profile histogram for a given works showing severity of traffic disruption observed by TomTom for the duration of the works, like the image below

This gives simple, authoritative and objective traffic disruption analytics intelligence based on historic data.

The tool can be enhanced in many ways, including providing access to additional detailed traffic analytics. TomTom historic traffic data is immensely powerful and detailed and includes the following metrics by road segment and time of day:

- Average travel time
- Median travel time
- Average speed
- 15th and 85th percentile speed
- 5th - 95 percentile travel

Traffic Disruption Analytics is a part of Elgin's Real-Time services, which also includes

- Real-Time Map
- UTMC Integration
- TM App Real-Time
- Route Monitor

Please contact us for more information.