TMR road location and traffic data

This file provides the user with Department of Transport and Main Roads (TMR) road location details (both spatial and through distance[1]) as well as associated traffic data. It allows users to locate themselves with respect to road section number and through distance using the spatial coordinates on the state-controlled road network.

The spatial line that represents the TMR road network as x, y spatial coordinates has been derived from a wide range of sources, including GPS, original road plans, various hard copy maps and aerial photography etc. Thus, the database has been created using varying standards. This spatial line is two dimensional and does not consider height. It has been captured approximately to 10m points. Although this data is updated every five to six weeks there may be some differences (due to changes on the road network) between the 'real world' and the spatial data.

The through distance has been traditionally captured using a rally-meter or similar tool and is represented by the driven distance along the road section. This through distance is constantly being updated with TMR systems to reflect new road projects as they are completed. This process can however be delayed which means that there is once again a difference between the 'real world' distance and the TMR location data.

The traffic data (AADT) is collected annually over a calendar year and is ready for release in April/May.

The TMR road location file is generated with necessary adjustments to align the spatial lengths to match the TMR through distance. The data represents points of road network at 10m intervals at a particular time spatially and linearly and therefore has accuracy levels of approximately 10m.

Versioning

TMR road location and traffic data is produced at a point in time. The data is generated when TMR road location data is updated and then it is combined with latest available traffic data. It is hosted on the Queensland Government Data portal: https://data.qld.gov.au.

Accuracy

TMR road location and traffic data has been developed using both spatial data and through distance data. Any existing issue with those two data sets not reflecting accurate through distance or x, y coordinates will be reflected in the TMR road location and traffic data.

TMR makes its best efforts to maintain accuracy of TMR road location data to a level within a maximum possible accuracy level by updating the file at regular intervals. However, the data may not be current at any particular time if actual physical changes have occurred on the road network.

Current usage

This data is currently utilised within bespoke and COTS software systems used within local governments performing maintenance related activities so that staff can locate themselves at a particular through distance on the TMR state-controlled road network.

Contacts

For further information please contact: RAM_Support@tmr.qld.gov.au

[1] *Through distance* - *the distance in kilometres measured from the gazetted start point of the road section.*