

TRAVEL TIME SURVEYS

Micromax are able to provide highly accurate traffic travel time surveys.

Methods and techniques

- **Floating vehicle method:** A vehicle, often equipped with GPS, drives a specific route multiple times, recording travel times at key points like intersections.
- **GPS (Global Positioning System):** Vehicles are outfitted with GPS loggers to record their position and speed throughout the journey, providing detailed, second-by-second data.
- **ANPR (Automatic Number Plate Recognition) cameras:** Cameras are used to track vehicles as they pass specific points, allowing for travel time calculations.
- **Bluetooth/Wi-Fi technology:** These technologies can be used to gather travel time data as devices connect to sensors along a route.
- **Household travel surveys:** These surveys ask individuals about their trips, including departure/arrival times, destinations, and mode of travel. They can also collect demographic information about the household.

Purpose and use

- **Performance assessment:** Evaluate the efficiency and performance of a transport network.
- **Delay analysis:** Pinpoint the location, cause, and extent of delays on a route.
- **Improvement planning:** Provide data for developing and planning improvements to traffic systems.
- **Before-and-after analysis:** Compare travel times before and after a project is completed to measure its effectiveness.
- **Traffic modelling:** Estimate travel times for use in traffic models and trip assignment.
- **Level of service evaluation:** Assess the current level of service on a route