micromax
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QUEUE LENGTH SURVEYS

Micromax can provide queue length data that can validate your traffic and transport models. Queue length surveys involve recording the length of a traffic queue, typically measured in the number of vehicles or meters. They provide data on congestion, delays, and how a junction is performing to help traffic engineers and planners make informed decisions.

How they are conducted:

- **Manual counting:** Surveyors can manually count and record queue lengths from a safe position.
- **Video analysis:** Video cameras can be strategically placed to monitor queues, which is useful for longer-term surveys or when queues are very long.
- **Data collection methods:**
  - Recording the number of vehicles at the start of a green light.
  - Recording the queue length at specific intervals (e.g., every 5 or 15 minutes).
  - Recording the number of vehicles in each lane separately or just the longest queue.
  - Measuring the distance to a specific point, like a pre-set marker.

Why they are used

- **Traffic modelling:** The data helps validate and calibrate traffic models to ensure they accurately reflect real-world conditions.
- **Junction analysis:** They are used to determine if an intersection is efficient or if improvements are needed.
- **Development planning:** They can provide crucial information for proposed developments by showing existing congestion levels.
- **Understanding causes:** The data can help identify what is causing a queue, whether it's a high volume of traffic or an inefficient service at a signalized intersection