

# RTA

Friday, 21 May 2010

10:35 AM

- Identify Data Collecting
  - Which roads are most congested (congestion is determined by lanes, density, speed cars are moving)
  - What periods time of congestion (hourly time periods)
  - Any alternative routes (instead of the most congested one that also lead to the same destination)
  - Number of cars travelling/hour on major roads (helps in determine most congested roads and most congested time periods)
  - Number of lanes on each road
  - Speed cars are moving on these roads
  - Density of roads (number of cars divided by area of road)
  - Number of traffic lights and roundabouts and their location (this could be a factor in congestion)
- Data source
  - Helicopter like TV channels (approximately find most congested roads)
  - Satellite information (accurately finds congested roads and lanes on roads)
  - Motion/Pressure Sensors with time as well (finds number of cars travelling on roads)
  - Maps (finds alternative routes)
  - Toll booths (can aid in the counting of cars)
  - RTA resources (finds traffic lights, roundabouts and lanes on each road)
- Methods of Gathering Data
  - Email (between people involved)
  - Satellite receptors (allows data to be received from satellites)
  - Constant internet connection to results and resources (allows quick collection of data)
  - Physically finding data (e.g. Maps on Google or paper)