



Factors Influencing Traffic –Traffic Management

Overview:

The idea is to understand what factors influence the flow of traffic across locations in Bangalore city. Some of them can be general causes and others special causes. The definition of “peak hour” also varies significantly by routes and these insights are critical to manage/regulate traffic.

Indicative factors that may influence traffic:

1. 'Peak-time' travel

The main congestion on roads occur during peak hours. Considerations include – weekday v weekend, time of day, day of week, population heat maps, office timings etc.

2. Digging of Roads/Metro Construction

Long term **work** zones on urban **Roads** leads to many problems such as reduction in capacity, increase the travel time delay and queue length on approach roads

3. Availability of Public Transport

The hypothesis is that availability of public transportation has a bearing on traffic volume.

4. Weather

Weather events can reduce arterial mobility and reduce the effectiveness of traffic signal timing plans. While this is a seasonal variable, this can significantly affect the flow of traffic.

5. Strikes

This is mostly unpredictable. But Nationwide/Local strikes do play a huge role in impacting the Traffic.