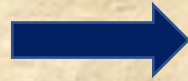




Traffic Survey And Analysis

**A Guide to Our
Services!**

What is Traffic Survey?



Information about Traffic is indispensable for any highway project since it would form the basis for design of the pavement, fixing the number of traffic lanes, economic appraisal of the project etc.

Traffic Data Collection is basic requirements for transport planning. Traffic Data forms an integral part of national economics, and such knowledge is essential in drawing up a rational transport policy for movement of passengers and goods by both government and the private sectors.

Traffic Survey is an essential part of Town Planning, especially for a town planner. It includes counting the number of vehicles/ Pedestrian passing through a survey station. The study of Classified Traffic Volume Count is to understand factors that form the basis of:

- a) Checking the efficiency/saturation of the road network by comparing current traffic volume with the calculated capacity or by identifying level of service.
- b) Establishing the use of the road network by vehicles of different categories, traffic distribution, PCU/vehicle value.
- c) Need of median shifting or road widening.

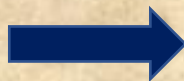
Need Of Traffic Volume Count!



We deal with the type of Traffic Surveys Including:

- 1- Pedestrian Movement Survey
- 2- Axle Load Survey
- 3- Turning Moment Count Survey
- 4- Origin-Destination Survey
- 5- Traffic Volume Count Survey

Civil Tech's Services



The Range of Services That We Offer Includes:

Pedestrian Movement Survey

As per IRC 103-2012: Guidelines for Pedestrian Facilities

The main objective of Pedestrian survey is to assess the pedestrian flow along and across the intersecting arm at important junction and mid blocks to suggest improvement for safe movement. Hence the counts have been conducted for duration of 12 hrs.

The basic aim should be to reduce pedestrian conflicts with vehicular traffic to the minimum.

To provide all the facilities to pedestrians considering full utilization of the facilities.



Axle Load Survey

Axle load survey has been carried out to estimate Vehicle Damage Factor (VDF) for using in design of overlay on existing pavement and new pavement for additional lanes.

This survey shall be carried out along with classified volume count survey. Number of days of survey will depend on project location, the type of project and the intensity and expected variation in traffic. This survey duration may vary between 24 hours and 3 days but should be carried out at least for one day at the traffic count stations on a random basis for commercial vehicles.

Turning Movement Count

Turning Movement Count or most popularly known as Intersection count is to count pedestrians, cycles or vehicles which are moving towards an intersection.

Turning volume count surveys were conducted at the major intersections along the project corridor. The classified turning volume count was carried out for a period of 24 hours on a normal working day. The count was recorded at fifteen minute to get at the peak hour volumes.



Origin-Destination Survey

Origin-destination (O-D) surveys provide a detailed picture of the trip patterns and travel choices of a cities or region's residents.

These surveys collect valuable data related to households, individuals, and trips. This information allows stakeholders to understand: Travel patterns and characteristics Measure trends Provide input to travel demand model development Forecasting, and planning for area-wide transportation needs and services Progress in implementing transportation policies.

Traffic Volume Count Survey

Traffic forms a key element of project preparation studies of road projects. It has a direct bearing on several aspects, including carriageway configuration, width requirements, pavement thickness other design features and elements.

The primary objective of these traffic studies is to determine the characteristics of traffic movement, to establish base year traffic demand and to determine Average Daily Traffic (ADT) at existing locations. Analysis of data as per "IRC SP 19-2001."





Reach Us!

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About Us!

We Civil Tech Believes in Quality, Expertise and Reliability. Our approach is consistently open and straightforward irrespective of the client.

Through our years of experience and expertise, we can offer high value services at incredibly competitive rates.

At the same time, we are also fully aware of all the latest advances in survey related technology and the advantages these bring both in terms of the quality of output and cost efficiency.