

Workshop on Intersection Volume Count Survey and Spot Speed Study

Date: 2nd April, 2022
Time: 09:00 am to 5:00 pm



Objective-

The main objective of the Workshop was to conduct traffic surveys at Unjha Intersection to measure the Total Traffic Volume at intersection and Spot Speed at mid-block section.

Summary:

As per the objective of the workshop, traffic surveys were conducted at Unjha Intersection. In the traffic surveys two traffic study were conducted e.g. Traffic Volume Count Study (i) At Intersection (ii) At mid-block, Spot Speed Study.

For the first traffic study i.e. Traffic volume count study, a sheet is prepared as per the PCU classification. Whole class is divided into 4 groups and each group is posted at each leg of the intersection to fill up the traffic volume count sheet. Traffic volume count is done at each leg as per the PCU classification with turning movement.

For the 2nd traffic study i.e. Spot Speed Study, A sheet is prepared to note down the time to cross a 50 meter mid-block on UNJHA – PATAN highway.

After conducting the field work, calculation part is done by the students. In calculation part all traffic volume count is converted into PCU value at each leg individually. A flow diagram is prepared with the help of PCU values for Unjha Intersection. Another graph is prepared to measure the Design speed from the collected spot speed data.



Course Participant:

Workshop was organized for the students of 6th Semester, Civil Engineering.

Workshop In charge:

Prof. Hiren V. Patel