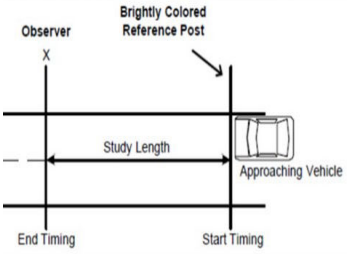
Civil Department

23 rd Sep 2019

Workshop on "Spot Speed Study"



Objectives:

The main objective of this Workshop to provide a deep knowledge about Traffic Engineering Survey and Calculate Design Speed, Regulatory Speed, Modal Speed, Mean speed by developing Cumulative Frequency Curve.

Summary

The main objective of this Workshop to provide a deep knowledge about Traffic Engineering Survey and Calculate Design Speed, Regulatory Speed, Modal Speed, Mean speed by developing Cumulative Frequency Curve.

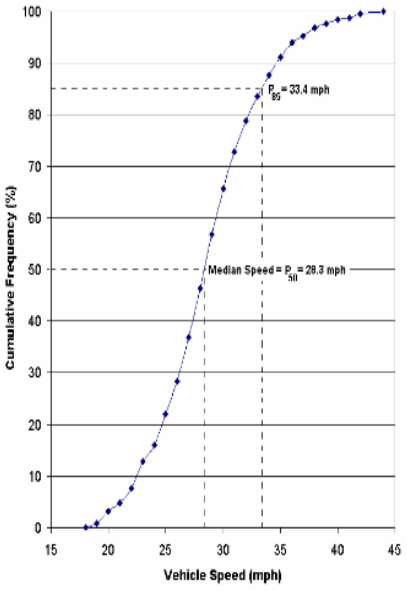
The idea of organizing this Workshop is to make the audience aware about the fundamentals and key concepts traffic engineering survey and analysis Time mean speed, Space mean Speed, Design Speed, Regulatory Speed, Modal Speed of existing Study Road (Unjha - Patan SH -130)

Topics :

1. Introduction of traffic survey
2. Methods of Survey
3. How to collect the traffic data from study street
4. Analysis of collected data
5. Develop Cumulative Frequency Curve
6. Calculate different speed using Cumulative Frequency Curve

Speed	Frequency of Vehicles	Cumulative Frequency	Cumulative percent
18		0	0.00%
19		2	0.80%
20		8	3.20%
21	4	12	4.80%
22	7	19	7.60%
23	13	32	12.80%
24	8	40	16.00%
25	15	55	22.00%
26	16	71	28.40%
27	21	92	36.80%
28	24	116	46.40%
29	26	142	56.80%
30	22	164	65.60%
31	18	182	72.80%
32	15	197	78.80%
33	12	209	83.60%
34	10	219	87.60%
35	9	228	91.20%
36	7	235	94.00%
37	3	238	95.20%
38	4	242	96.80%
39	2	244	97.60%
40	2	246	98.40%
41	1	247	98.80%
42	2	249	99.60%
43	1	250	100.00%
44		250	100.00%
45		250	100.00%

Figure 4. Spreadsheet for Sample Problem with Cumulative Values.



Workshop Participant :*Workshop* was organized for students of 5th semester Civil Engineering . There are 30 students were present in Workshop.

Coordinator:

Prof. H. V. Patel

Smt. S. R. Patel Engineering College

Workshop Report