

## **BITUMINOUS MATERIAL**

- **Description and Uses of bituminous binders-** Asphalt cements; SC; RC asphalts, Asphalt emulsion
- **Properties of asphaltic materials**
  - ü Consistency
  - ü Durability
  - ü Rate of curing
  - ü Resistance to water action
- **Tests for asphaltic materials-**consistency test; penetration test
- **Asphaltic concrete** is a uniformly mixed combination of bitumen, coarse, fine aggregates & fillers

## TRAFFIC ENGINEERING

- **Spot speed studies**- are conducted to estimate the distribution of speeds of vehicle in a stream of traffic at a particular location on a highway
  - √ Speed characteristics
  - √ Locations of spot speed studies
  - √ Methods for conducting spot speed studies
  - √ Presentation and Analysis of Spot speed data
- **Headway**- space mean & time mean
- **Traffic Volume**- Different types of traffic counts are carried out, depending on the anticipated use of the data to be collected e.g ADT. AADT
- **Origin-Destination Study**