Background

Fixed sensors like Automatic Vehicle Identification (AVI), loop detectors and so on provide information at specific location on the network where as mobile sensors like probe vehicles provide information about the entire journey of the vehicle. Depending on availability of data from different sources provide avenue for application of data fusion techniques for reliable and robust travel time estimation.

Purpose

In this study route travel time will be estimated by applying data fusion technique on data obtained from AVI, probe cars, vehicle information and communication system (VICS) and loop detector considering signal control parameter.

Method

In this study route travel time will be estimated by applying data fusion technique on data obtained from AVI, probe cars, vehicle information and communication system (VICS) and loop detector considering signal control parameter.

Conclusion

• Estimation of travel time from individual sensors includes some errors.
• Data fusion will be helpful for reliable and robust travel time estimation from sparse data from different sensors.

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