

PREFACE

Effective transportation of people and goods has become the cornerstone of development as it has been noticed from the experience of various countries. Mobility is an engine of growth and transportation systems have to be dynamic to meet the growing requirements. The process of urbanization is fastest in the developing world and it should be viewed as a reflection of the inexorable surge of the forces of development. This development has resulted in most of the cities a mismatch between capacity and traffic demand and this is too acute in peak hours. The complexity of urban transportation and increased travel continues to challenge the experts across the globe. In the face of growing travel demand, issues on sustainable transport, increasing air pollution, safety and efficiency of transport systems etc. are coming into prominence.

Transportation systems are an integral part of a modern day society designed to provide efficient and economical movement between the component parts of the system and offer maximum possible mobility to all elements of society. A competitive, growing economy requires a transportation system that can move people, goods, and services quickly and effectively. Road transportation is a critical link between all the other modes of transportation and proper functioning of road transportation, both by itself and as a part of a larger interconnected system, ensures a better performance of the transportation system as a whole. Traffic control and management facilities are imperative for the economic, safe and efficient transportation in city roads. Signalized intersections, as a critical element of an urban road transportation system, regulate the flow of vehicles through urban areas.

Co-operative republic of Guyana is experiencing development activities of late and supporting infrastructural developments are planned. Government of India is helping the people and government of Guyana in its endeavour of developing the transport infrastructure. This project aims at installing advanced traffic control systems at major intersections of road network in George Town. Reconnaissance surveys, traffic volume surveys, preliminary parking and public transport surveys are conducted as part of this study.