Purpose of the Project

The Update of the TDOT Traffic Design Manual project is focused on reviewing all information regarding Traffic Signals Standards and Specifications, as well as developing new Traffic Signals Guidelines to be used by practitioners across the State. The project is also aimed at updating, to federal standards, the Intelligent Transportation Systems information available in the subject manual.

Scope and Significance of the Project

It is very important for TDOT to make current and detailed documentation available to agency designers, consultants and city/county administrators in an effort to provide better operations and maintenance of traffic signal control devices. The manual update consists of a comprehensive review of available standards and guidelines related to the design, operation and maintenance of traffic signals. In addition to that, the revision of the Intelligent Transportation Systems chapter provide agencies with relevant and consistent information on policies, guidelines and standard procedures related to Intelligent Transportation Systems, Systems Engineering Analysis, Project Stage Diagrams and Device Procurement. The following are the specific project tasks.

Task 1 – Update of Chapter 1 – Introduction
Task 2 – Update of Chapter 2 – Project Development
Task 3 – Update of Chapter 3 – Need for Traffic Signals
Task 4 – Update of Chapter 4 – Traffic Signal Design
Task 5 – Update of Chapter 5 – Other Types of Traffic Signals
Task 6 – Update of Chapter 8 – Intelligent Transportation Systems
Task 7 – Development of Inspection Guidelines
Task 8 – Development of Maintenance Guidelines
Task 9 – Development of Flashing Yellow Arrow for Permissive Left Turns Guidelines
Task 10 – Update of TDOT 730 Traffic Signals Specifications
Task 11 – Update of the Glossary
Task 12 – Update of the Table of Contents

Time Periods and Status of the Projects

The agreement period for the project is from September 1, 2013 to August 31, 2018

Tasks 1, 2, 3, 4, 5, 7, 8, 9, 11 and 12 – Under TDOT review.

Task 10 – Under development.

Contact Information

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