

## **Signs and Overhead Structures**

### **Technical Specialist**

Is responsible for the structural design of all signs, traffic signal and lighting standards:

- Provides liaison and represents the Department by participating with other agencies, organizations and industry.
- Keeps aware, through various sources, of state-of-the-art developments, applications, and practice.
- Reviews, examines and evaluates systems and proprietary products.
- Coordinates and works with Design, Construction, Maintenance, Traffic, and the Lab to solve problems, initiate research and reach conclusions.
- Develops and recommends methods, procedures, policy and specifications.
- Revises, updates and interprets standard plans, special designs, specifications, memos and manuals.
- Proposes and advocates use of appropriate new applications, methods and materials.
- Is a technical resource assisting, counseling and advising designers and National organization committee members.
- Coordinates with Districts during design and shop plan reviews.

## **Structure Drainage**

### **Technical Specialist**

Is concerned with design details associated with deck drainage and utilities in structures:

- Provides liaison and represents the Department by participating with other agencies, organizations and industry.
- Keeps aware, through various publications, of state-of-the-art developments, applications and practice.
- Reviews, examines and evaluates systems and proprietary products.
- Coordinates and works with Design, Construction, Maintenance and the Lab to solve problems, initiate research and reach conclusions.
- Develops and recommends methods, procedures, policy and specifications.
- Revises, updates and interprets standards, specifications, memos and manuals.
- Proposes and advocates use of appropriate new applications, methods and materials.
- Develops and uses various training methods that help and encourage designers to use new applications, methods and materials.
- Is a technical resource assisting, counseling and advising designers and National organization committee members.

## **Transit Technical Specialist**

Is concerned with structural aspects of the mass transit mode portion of the statewide transportation scheme:

- Researches, develops and coordinates design standards, loads, grades, clearances, typical sections, etc. for various type transit systems.
- Investigates existing design criteria for adoption to transit structures and transit related facilities such as parking structures and passenger stations.
- Provides expertise and liaison to DOT Districts, Division of Mass Transit, and the Division of Transportation Planning for the structural aspects of transit structures and related transit facilities.
- Maintains transit state-of-the-art sources file and a file on current in-house projects.

## **Widenings, Modifications, and S-I-P Forms Technical Specialist**

Is concerned with the structural adequacy of widenings, modifications and stay-in-place form construction:

- Provides liaison and represents the Department by participating with other agencies, organizations and industry.
- Keeps aware, through various sources, of state-of-the-art developments, applications, and practice.
- Reviews, examines and evaluates systems and proprietary products.
- Coordinates and works with Design, Construction, Maintenance, and the Lab to solve problems, initiate research and reach conclusions.
- Develops and recommends methods, procedures, policy and specifications.
- Revises, updates and interprets standards, design details, specifications, memos and manuals.
- Proposes and advocates use of appropriate new applications, methods and materials.
- Develops and uses various training methods that help and encourage designers to use new applications, methods and materials.
- Is a technical resource assisting, counseling and advising designers and National organization committee members.