

Traffic Control Design Specialist for Engineers and Planners (TCDS)

Virginia Advanced – State Specific

DESCRIPTION

This 2-day training course addresses the entire process for designing, installing, maintaining, and the evaluation of temporary traffic control in work zones, starting with basic concepts.

This training is required for traffic engineers, engineers, engineering technicians, consultants and other individuals responsible for temporary traffic control (TCP) design and for individuals that are responsible for designing traffic control plans for approval.

The course includes an introduction to temporary traffic control standards and guidelines, design concepts, and several exercises. The course is based on the Virginia Work Area protection Manual and the national Manual on Uniform Traffic Control Devices.

COURSE OBJECTIVES

1. Understand the engineering concepts necessary to properly design effective traffic control plans (TCP) in Virginia.
2. Understand the fundamental principles of temporary traffic control needed to make discretionary decisions and adjustments.
3. Know the sources of standards, guidelines, and specifications governing the design of TCPs.
4. Design TCPs that would facilitate the inspection and maintenance functions of the traffic control system.
5. Know the proper processes and procedures for adjustments, and disposition of actions generated, and their legal implications.

Intended Audience:

- Engineers
- Planners
- Individuals with a TCP design function such as engineering technicians

COURSE LENGTH

2 Days

Traffic Control Design Specialist Certification Requirements:

- Pass TCDS (Virginia Advanced) Course with 80% or greater
- 2000 hours (1 year) of work zone design experience
- 2 References to verify work zone design experience
- Complete certification application and pay fee
- Be approved by ATSSA Certification Board
- Certification is valid for 4 years and can be renewed by passing a recertification exam

NOTE: This designation DOES NOT replace an official PE stamp. TCPs still need to be reviewed and approved by a PE.