



technotes

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MARYLAND TRANSPORTATION TECHNOLOGY TRANSFER CENTER

Local Technical
Assistance Program
(LTAP)
University of Maryland
at College Park

mdt2center.umd.edu

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Happy Holidays!

Roadway Management Conference - Save the Date

For many years, the Mid-Atlantic Transportation Technology Transfer (T2) Centers and Local Technical Assistance Programs (LTAP) hosted the Roadway Management Conference (RMC), which moved around between Delaware, Maryland, Pennsylvania, Virginia, and West Virginia. It was last held in 2008 in West Virginia and proved to be very popular. However, the credit crisis put an end to out-of-state travel for many of us for several years and the RMC had to be suspended. Well, many of you have beat the drum for its return and the Mid-Atlantic Region is bringing it back.

**The Roadway Management Conference will return October 15-17, 2018 in
Gettysburg, Pennsylvania. Mark your calendars!**

The RMC is intended for all practitioners who construct and maintain state, county, and municipal roads and streets. This group includes elected and appointed officials, city managers and clerks, public works managers, engineers, technicians, equipment operators, tradesmen, laborers, supervisors, and contractors.

A survey was circulated last winter; many of you responded to both encourage us to revive the RMC and to inform us of topics of interest. Based on feedback from the survey, we are planning sessions that include bridge preservation, maintenance, and inspection, in addition to high-friction surface treatments, box culvert and pipe best practices, microsurface and slurry seals, chip seal, brines for winter maintenance, MUTCD updates, sign installation and maintenance, stormwater MS4 issues, trenching safety, smart work zones, personnel and personal skills, and others. We also plan to have multiple outside displays and demonstrations such as chainsaws and wood chipper safety, concrete finishing and testing, equipment displays, and more.

Our planning for the RMC began in earnest at our October Regional Meeting in Lewes, Delaware. We made great progress and our plan is to provide you with more details later this winter.

We know that our local transportation agencies struggle with many challenges and sometimes just getting out to talk to colleagues from other areas, share their experiences, hear new ideas, and examine equipment up-close can bring us closer to solutions. So our goal will be to put together an RMC that you'll want to attend and that you'll be glad you did. Stay tuned for more details.

**Announcing new courses! For full descriptions,
see Our Currently Scheduled Courses starting on the next page.**

March 27-28, 2018: Highway Capacity Manual and Level of Service: PE Exam Review

June 19, 2018: Designing Safer Roads for Pedestrians and Bicyclists

August 8, 2018: Speed Management Techniques and Applications

Professional Development Hours

Are you a Professional Engineer? Need help obtaining professional development hours (PDHs)? Many of our courses offer PDHs. Check out our currently scheduled courses in the following pages. Below is the continuing education requirements for professional engineers, this information and more can be found at:

<http://www.dllr.state.md.us/license/pe/peeduc.shtml>

Requirements

- A. A licensee shall complete at least 24 PDH units during each reporting period with a:
 - (1) Minimum of 18 PDH units in Category A programs, including a minimum of 1 PDH unit in content areas related to the standards of practice or care, laws and regulations applicable to the practice of engineering in Maryland, or professional engineering ethics; and
 - (2) Maximum of 6 PDH units in Category B programs.
- B. A maximum of 12 PDH units earned in excess of 24 PDH units that are required for a license renewal during the licensing term can be carried forward to apply as credit toward the next individual licensing term.

Category A topics focus on technical, research, analytical or design aspects of engineering; laws and regulations related to the practice of engineering in Maryland; engineering-related computer hardware or software; standards of practice or care; professional engineering ethics; project management, risk assessment and management, or emergency and disaster management or similar topics intended to maintain and enhance the knowledge and skills related to the practice of engineering.

Category B topics relate to business or government administration or the development of traits, skills or behavioral patterns geared towards improved communications skills, oral and written skills, personal management skills or other similar programs which contain a clear purpose of improving a licensee's methods of practice or operations or advancing professionally related skills and practices as applicable to the practice of engineering.

Licensees renewing for the first time after receiving their initial license are exempt.

Taking the PE exam soon? We have a course that can help prepare you! **Highway Capacity Manual and Level of Service: PE Exam Review**, scheduled for March 27-28, 2018. See page 3 for more details.

Our Currently Scheduled Courses

The following courses are currently scheduled and we are still adding to the list! For more information or to schedule a class, contact Janette Prince at 301.405.6535 or register online at www.mdt2center.umd.edu.

BASIC DRAINAGE

Location: MD T2 Center at College Park, Maryland

Date: February 13, 2018

Time: 8:30am - 3:30pm

This course instructed by Ed Stellfox emphasizes the importance of good drainage with discussions of water and its effects on roads, problems caused by improper drainage, and ways to handle these problems. It covers types of drainage facilities, ranging from ditches, culverts, subdrains, inlets and end structures. Their uses, materials, installation and maintenance as well as erosion control are addressed. It also introduces geosynthetic drainage applications. The following topics will be covered: importance of drainage, characteristics of water, system maintenance, drainage principles, surface and subsurface drainage, ditches, driveways, drainage culverts – materials and placement, headwalls, endwalls and inlets, erosion control, and geosynthetics in drainage.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

ASPHALT RESURFACING

Location: MD T2 Center at College Park, Maryland

Date: March 6, 2018

Time: 8:30am - 12:30pm

This course instructed by Ed Stellfox reviews the various asphalt mixes, their components and their uses. Asphalt resurfacing procedures are covered, including preparation, material, equipment, operation and safety. Special emphasis is placed on proper rolling and compaction of the asphalt overlay. Superpave mix design is discussed as well. Municipal officials, road commissioners, supervisors, and superintendents; public works and maintenance personnel; equipment operators; and city or town managers are encouraged to attend.

Professional Development Hours: 4.0.

Registration Fees: \$69 for all participants.

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ASPHALT ROADS - COMMON MAINTENANCE PROBLEMS

Location: MD T2 Center at College Park, Maryland

Date: March 7, 2018

Time: 8:30am - 12:30pm

Municipal employees with road maintenance responsibilities should understand the causes of common maintenance problems on asphalt roads and be familiar with proper repair materials and methods. This course instructed by Ed Stellfox discusses causes and repair procedures for common problems such as cracking, potholes, rutting, corrugations, etc. The procedures cover materials, equipment, and techniques for lasting repairs. Also included, a brief discussion of surface treatment.

Professional Development Hours: 4.0.

Registration Fees: \$69 for all participants.

DESIGNING PEDESTRIAN FACILITIES FOR ADA ACCESSIBILITY

Location: MD T2 Center at College Park, Maryland

Date: March 14-15, 2018

Time: 8:30am - 3:30pm

Upon completion of this course instructed by Juan M. Morales, P.E., the participant will be able to identify applicable laws, regulations, guidelines, and standards pertaining to accessibility for persons with disabilities. Know the requirements for ensuring accessibility in existing facilities vs. work in new construction and alterations. Identify some of the challenges in the Public Right-of-Way (PROW) faced by persons with disabilities. Review design elements necessary for achieving accessibility in the PROW, including work zones. Identify best practices. There will be (weather permitting) a field visit to a nearby intersection to assess its design and accessibility.

Professional Development Hours: 12.0.

Registration Fees: \$199 for Maryland local government participants, and \$210 for all other participants.

FLAGGER CERTIFICATION

Location: MD T2 Center at College Park, Maryland

Date: March 16, 2018

Time: 8:30am - 12:30pm

A MD SHA-approved ATSSA (American Traffic Safety Services Association) flagger card will be issued upon satisfactory completion of this course. This will be valid for 4 years and is acceptable in several states, including MD, VA and DC. The class instructed by Juan M. Morales, P.E. is presented in PowerPoint© and will include a 25-question multiple choice exam and a flagger demonstration (dexterity test). Students will receive their ATSSA Flagger Certification card the day of the course (upon passing the exam).

Professional Development Hours: 4.0.

Registration Fees: \$100 for all participants.

HIGHWAY CAPACITY MANUAL AND LEVEL OF SERVICE: PE EXAM REVIEW

Location: MD T2 Center at College Park, Maryland

Date: March 27-28, 2018

Time: 8:30am - 3:30pm

This class is designed for individuals who want to review the Highway Capacity Manual in preparation for taking the PE Exam. The course will also serve as a refresher or introduction for participants that are interested in highway capacity. The course will also review the changes that have been made in the 2016 Version of the Manual. The two-day course will review traffic flow characteristics, interrupted, and interrupted flow. Sections covered will include the procedures for signalized and unsignalized (two-way, all-way, and roundabouts) intersections. Also covered are basic freeway sections, multilane highways, weaving, and ramp analysis. Emphasis will be placed on explaining the principles behind the HCM and making sure the participants are familiar with the Manual. The class will participate in a series of manual exercises and workshops to improve their familiarity with the capacity methodology. **Who Should Attend:** Engineers who are planning to take the PE Exam as well as staff who wish to become familiar with the Highway Capacity Manual.

Professional Development Hours: 12.0

Registration Fees: \$199 for all participants.

CONSTRUCTION MATHEMATICS

Location: MD T2 Center at College Park, Maryland

Date: April 10, 2018

Time: 8:30am - 3:30pm

Construction inspectors may need to brush up on math skills specifically related to construction inspection, especially basic geometry, fractions, area, volume and conversions. The class lead by Ed Stellfox is a good refresher, and excellent preparation for the construction inspection class. The course was designed for road workers, foremen, superintendents, construction inspectors and supervisors in need of a refresher, especially in preparation for the Construction Inspections class.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

TO SIGNALIZE OR NOT TO SIGNALIZE

Location: MD T2 Center at College Park, Maryland

Date: April 10, 2018

Time: 8:30am - 4:00pm

The To Signalize or Not To Signalize Course instructed by Dane Ismart covers the MUTCD criteria for determining whether the installation of a traffic control signal is justified at a particular location. The course includes an analysis of the factors for existing operations and safety at study locations and the potential to improve these conditions. The course will also cover warrants for four-way stops as well as alternatives to traffic control signals. **Who Should Attend:** Traffic Engineers and transportation planners involved in the design and planning of corridors and intersections.

Professional Development Hours: 6.0.

Registration Fees: \$110 for all participants.

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Our Currently Scheduled Courses

(continued from page 3)

SIGNALIZED INTERSECTION DESIGN AND TIMING

Location: MD T2 Center at College Park, Maryland

Date: April 19, 2018

Time: 8:30am - 4:00pm

This course reviews the Highway Capacity Manual procedure for determining the capacity and level of service for signalized intersections. In the course we explore the impacts of cycle length, progressive timing, phasing, left turn treatments, NEMA movements, storage areas and queueing, approach volumes, blockages such as parking and buses, green times, and lost times on the operations of a signalized intersection. As part of the course in the afternoon the class goes to a field site and collects information at a selected signalized intersection. The field data is then used by the class to calculate the delay and level of service using the HCS software. Variations to the cycle length, timing, and phasing are explored to determine the optimize settings that minimize delay and improve the level of service. **Who should attend:** Engineers and planners who want a better understanding between the characteristics of signals and timing and levels of service and control delay.

Professional Development Hours: 6.0

Registration Fees: \$110 for all participants.

PREVENTIVE PAVEMENT MAINTENANCE (Learn about seal coats, slurry seals, and microsurfacing)

Location: MD T2 Center at College Park, Maryland

Date: May 8, 2018

Time: 8:30am - 3:30pm

This course is the first step in making your asphalt pavements last longer at lower costs. The course instructed by Ed Stellfox covers preventive maintenance treatments such as chip seals, slurry seals, and micro-surfacing and discusses when and where each technique could be effective. It presents application methods, including preparation, materials, equipment, operations and safety, along with practical tips on how to avoid trouble.

This course is open to municipal officials, road commissioners, supervisors, and superintendents; public works and maintenance personnel; equipment operators; and city or town managers.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

TRAFFIC ENGINEERING FUNDAMENTALS

Location: MD T2 Center at College Park, Maryland

Date: May 14-17, 2018

Time: 8:30am - 4:15pm

This course instructed by Dane Ismart and Juan M. Morales, P.E. condenses what was the five-day Traffic Engineering Short Course into a new four-day course.

Agenda Day One:

Introduction

Traffic Engineering Terms and Design Year Traffic

Site Impact Analysis

Safety Principles and Crash Principles

Principles of Access Management

Agenda Day Two:

Intersection Analysis and Geometrics

Signal Timing

Arterial and Freeway Analysis

MUTCD

Agenda Day Three:

Roundabout Basics

ITS Overview

Traffic Calming

Pedestrian Safety

ADA Accessibility

Agenda Day Four:

Temporary Traffic Control Standards and Guidelines

Component Part of a TTC Zone

Traffic Control Devices

Traffic Control Devices, continued

Work Zone Impact Analysis

Audience: This course is geared towards anyone with an engineering background and/or traffic engineering responsibilities in a related field. Also junior level traffic engineers, transportation planners, highway designers and city/county engineers.

Professional Development Hours: 24.0.

Registration Fees: \$399 MD local government and \$420 all other registrants

FLAGGER CERTIFICATION

Location: MD T2 Center at College Park, Maryland

Date: May 18, 2018

Time: 8:30am - 12:30pm

A MD SHA-approved ATSSA (American Traffic Safety Services Association) flagger card will be issued upon satisfactory completion of this course. This will be valid for 4 years and is acceptable in several states, including MD, VA and DC. The class instructed by Juan M. Morales, P.E. is presented in PowerPoint© and will include a 25-question multiple choice exam and a flagger demonstration (dexterity test). Students will receive their ATSSA Flagger Certification card the day of the course (upon passing the exam). **Audience:** The course is intended for anyone whose actions affect safety of contemporary traffic control work zones, including traffic managers, traffic technicians, inspectors and designers.

Professional Development Hours: 4.0.

Registration Fees: \$100 for all participants.

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TECHNIQUES FOR REDUCING CONSTRUCTION AND MAINTENANCE COSTS

Location: MD T2 Center at College Park, Maryland

Date: June 12, 2018

Time: 8:30pm - 3:30pm

Counties and municipalities bear a considerable financial burden with respect to the construction and maintenance of roadways. Inflation, increasing cost of labor, materials and fuel have risen steeply in the past few years. At the same time, municipal budgets have not kept pace. It is essential to conserve resources, find energy efficient and low maintenance materials and to use more efficient techniques. This workshop instructed by Ed Stellfox, will conclude with groups of participants developing a cost control plan for a project.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

TRAFFIC SIGNS

Location: MD T2 Center at College Park, Maryland

Date: June 13, 2018

Time: 8:30pm - 12:30pm

This half-day course instructed by Ed Stellfox will cover the regulations and guidelines for traffic signs including; regulatory signs, warning signs, and guide signs. A review of the Manual on Uniform Traffic Control Devices (MUTCD) will also be covered. An in depth discussion of sign examples, installation and maintenance, as well as sign management will be covered.

Professional Development Hours: 4.0.

Registration Fees: \$69 for all participants.

DESIGNING SAFER ROADS FOR PEDESTRIANS AND BICYCLISTS

Location: MD T2 Center at College Park, Maryland

Date: June 19, 2018

Time: 8:30am - 3:30pm

Pedestrians and bicyclists are susceptible to traffic injuries and fatalities, perhaps more so than drivers. Yet we design highways for the mobility of motorized traffic perhaps neglecting the needs of the most vulnerable, such as pedestrians and bicyclists. This course, instructed by Juan M. Morales, P.E., will teach participants how to diagnose pedestrian and bicyclist safety deficiencies and select the appropriate countermeasures to make conditions safer for all users. The course includes an overview of the American with Disabilities Act (ADA) accessibility requirements and a field trip where students will be exposed to various design elements. Engineering countermeasures will be emphasized but education and enforcement countermeasures will also be covered. Upon Completion of the course, participants will be able to: understand pedestrian and bicyclist traffic; describe their needs; diagnose crash causes; select proper countermeasures; identify safety-related geometric design elements (including roundabouts and bicycle lanes), and describe disable pedestrian considerations as per the American with Disabilities Act (ADA).

Audience: Engineer, Safety and Roadway Designers as well as individuals with Traffic/Transportation interests.

Professional Development Hours: 6.0

Registration Fees: \$100 for this course.

FLAGGER CERTIFICATION

Location: MD T2 Center at College Park, Maryland

Date: June 20, 2018

Time: 8:30am - 12:30pm

A MD SHA-approved ATSSA (American Traffic Safety Services Association) flagger card will be issued upon satisfactory completion of this course. This will be valid for 4 years and is acceptable in several states, including MD, VA and DC. The class instructed by Juan M. Morales, P.E. is presented in PowerPoint© and will include a 25-question multiple choice exam and a flagger demonstration (dexterity test). Students will receive their ATSSA Flagger Certification card the day of the course (upon passing the exam).

Audience: The course is intended for anyone whose actions affect safety of contemporary traffic control work zones, including traffic managers, traffic technicians, inspectors and designers.

Professional Development Hours: 4.0.

Registration Fees: \$100 for all participants.

ASPHALT RECYCLING

Location: MD T2 Center at College Park, Maryland

Date: July 10, 2018

Time: 8:30pm - 12:30pm

This course discusses the advantages of asphalt recycling as part of your road maintenance program. It covers techniques for recycling asphalt pavement, including surface recycling, hot mix recycling (both in plant and on-site), and cold mix recycling. The course instructed by Ed Stellfox emphasizes cold mix recycling, full depth reclamation, reviewing materials, equipment and operations. It also presents recent examples of asphalt recycling projects in several states. The following topics will be discussed: advantages; review of techniques -materials, equipment, and operations for surface recycling, hot-mix recycling, cold-mix recycling, and full depth reclamation.

Professional Development Hours: 4.0.

Registration Fees: \$69 for all participants.

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Our Currently Scheduled Courses

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ROAD DIETS (ROAD CONFIGURATION) WORKSHOP

Location: MD T2 Center at College Park, MD

Date: August 7, 2018

Time: 8:30am - 4:00pm

The course covers the design, safety, and operations of road diets. The advantages, disadvantages, various road diet configurations, guidance, and criteria for determining the feasibility of implementing a road diet are discussed. Safety and operational considerations as well as examples of actual case studies are part of the course. **Audience:**

This Workshop will be of interest to Engineers, Transportation Planners, Pedestrian and Bicycle Coordinators, Safe Routes to School Coordinators, Local Public Agency Coordinators, and Transportation Alternatives Program Managers.

Professional Development Hours: 6.0.

Registration Fees: \$110 for all participants.

SPEED MANAGEMENT TECHNIQUES AND APPLICATIONS

Location: MD T2 Center at College Park, Maryland

Date: August 8, 2018

Time: 8:30am - 4:00pm

The Speed Management Techniques and Applications Course is designed to provide participants with the knowledge and principles for applying various techniques for countering speeding and speed related crashes. The first sections of the course review the Fatality Analysis Reporting System as well as other sources of crash data. Methods for identifying potential hazardous areas related to crashes involving roadway departures, intersections, and bicycle and pedestrians are demonstrated. A portion of the course is devoted to discuss and demonstrate methods for determining appropriate design and posted speeds. **Who Should Attend:** Transportation planners; highway designers; local staff; and community organizations concerned about speeding related crashes. **Professional Development Hours:** 6.0

Registration Fees: \$110 for all participants.

GRAVEL ROAD MAINTENANCE

Location: MD T2 Center at College Park, Maryland

Date: August 28, 2018

Time: 8:30pm - 3:30pm

This course instructed by Ed Stellfox addresses basic maintenance techniques for unpaved and gravel roads. Topics include road materials, blading or dragging, reshaping or regrading for proper crown, regravelling, stabilization or full-depth reclamation, and dust control, with an introduction to road management techniques.

Professional Development Hours: 6.0

Registration Fees: \$99 for all participants.

INTRODUCTION TO GEOSYNTHETICS

Location: MD T2 Center at College Park, Maryland

Date: August 29, 2018

Time: 8:30am - 3:30pm

This course is an introduction to geosynthetics,

beginning with a discussion of geosynthetics, what they are, how they are made and how they can be used in a road maintenance program. The course then looks at other geosynthetics and their road system uses, including geogrids, geocells and geowebbs, presenting new materials with new applications. This course instructed by Ed Stellfox, will cover the following topics: history; materials (geotextile fabrics, geogrids, geocells and geowebbs); uses and applications of drainage, erosion control, reinforcement, separation, and reflective crack control.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

ROAD SURFACE MANAGEMENT

Location: MD T2 Center at College Park, Maryland

Date: September 11, 2018

Time: 8:30am - 3:30pm

This course instructed by Ed Stellfox provides participants with the basic concepts of road surface management including inventory, distress identification, condition survey, strategies, programs, budgets, and field surveys. A Road Surface Management Systems software demonstration will also be conducted during this course.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

ROAD SAFETY 365 WORKSHOP

Location: MD T2 Center at College Park, MD

Date: September 13, 2018

Time: 8:30am - 3:30pm

This one-day workshop focuses on processes for incorporating safety into all aspects of local and rural projects, and on making safety a priority through inclusion in the traditional decision-making process - 365 days a year. The course stresses the importance of road safety, and illustrates how it can be integrated into rural/local transportation project development at all stages: planning, design, construction, implementation, operations, and maintenance. Through practical exercises and facilitator-led discussions, the emphasis is on operations and maintenance to reflect the predominant, day-to-day responsibilities of rural/local transportation agencies. The benefits and potential cost savings of safety initiatives are shown using examples from rural/local agencies. **Audience:** The workshop audience ranges from decision-makers to road crews. It is aimed primarily at local and rural road and public works supervisors. Others who would benefit include: elected officials, public safety advocates, State DOT personnel, law enforcement, consultants, regional and rural development organizations, municipal associations.

Professional Development Hours: 6.0

Registration Fees: \$100 for all participants.

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FLAGGER CERTIFICATION

Location: MD T2 Center at College Park, Maryland

Date: September 14, 2018

Time: 8:30am - 12:30pm

A MD SHA-approved ATSSA (American Traffic Safety Services Association) flagger card will be issued upon satisfactory completion of this course. This will be valid for 4 years and is acceptable in several states, including MD, VA and DC. The class instructed by Juan M. Morales, P.E. is presented in PowerPoint© and will include a 25-question multiple choice exam and a flagger demonstration (dexterity test). Students will receive their ATSSA Flagger Certification card the day of the course (upon passing the exam).

Audience: The course is intended for anyone whose actions affect safety of contemporary traffic control work zones, including traffic managers, traffic technicians, inspectors and designers.

Professional Development Hours: 4.0.

Registration Fees: \$100 for all participants.

WINTER MAINTENANCE

Location: MD T2 Center at College Park, Maryland

Date: October 25, 2018

Time: 8:30am - 3:30pm

This course covers all aspects of winter operations-planning and organizing, methods of snow and ice control, salt usage, and winter equipment maintenance. Instructed by Ed Stellfox this lesson will include usage of snow maps, formal snow plans, snow plow and salt spreader operation. This course is intended for municipal officials, road commissioners, supervisors, superintendents, public works and maintenance personnel, equipment operators, and city or town managers.

Professional Development Hours: 6.0.

Registration Fees: \$99 for all participants.

WORK ZONE DESIGN

Location: MD T2 Center at College Park, Maryland

Date: November 7-8, 2018

Time: 8:30am - 3:30pm

The course instructed by Juan M. Morales, P.E. will give participants knowledge of the entire temporary traffic control (TTC) process: planning, design, review, installation, maintenance, and inspection of temporary traffic control for highway work zones. Issues regarding planning, design, review, and operation of temporary traffic control are covered, including pedestrian accessibility, worker safety, human factors, and legal aspects. The material is based on Part 6 of the Manual on Uniform Traffic Control Devices (MUTCD) and are modified to address Maryland State Highway Administration (SHA) TTC standards and guidelines.

Audience: The course is aimed at individuals who are responsible for the design, review, or modification of temporary traffic control for work zones adjacent to and within roads and highways. The course will also be of interest to those responsible for installation, operation, and inspection.

Professional Development Hours: 12.0.

Registration Fees: \$199 MD Local Government and \$210 All Other Registrants.

FLAGGER CERTIFICATION

Location: MD T2 Center at College Park, Maryland

Date: November 8, 2018

Time: 8:30am - 12:30pm

A MD SHA-approved ATSSA (American Traffic Safety Services Association) flagger card will be issued upon satisfactory completion of this course. This will be valid for 4 years and is acceptable in several states, including MD, VA and DC. The class instructed by Juan M. Morales, P.E. is presented in PowerPoint© and will include a 25-question multiple choice exam and a flagger demonstration (dexterity test). Students will receive their ATSSA Flagger Certification card the day of the course (upon passing the exam).

Professional Development Hours: 4.0.

Registration Fees: \$100 for all participants.

From our family to yours, wishing you all the best this holiday season!



*Thank you for your
support in 2017
and we look forward to
working with you in
2018!*



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**Need training but budget cuts won't allow travel?
Request a class and we'll bring it to you!**

We understand your training needs and the tremendous budget cuts everyone is dealing with in this economy. By logging on to www.mdt2center.umd.edu and requesting a course that 10 or more of your employees need, we'll bring our course to you. We'll need a room where your employees can learn and either a white board or bare wall for our projector and a pot of coffee for our instructor.

Requesting a course is simple, visit www.mdt2center.umd.edu and fill out our request training form or call Janette Prince at 301.405.6535 and she'll be glad to assist you.

MD T² Advisory Board Committee

- | | |
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