



COURSE NUMBER

FHWA-NHI-133005

COURSE TITLE

Highway Capacity and Quality of Flow (1-Day)

This course provides basic instruction in the use of the 2000 "Highway Capacity Manual" (HCM). Software is employed in most of the capacity analyses performed in the course. Approximately one-half of the course is dedicated to sessions on interrupted flow facilities (i.e., signalized intersections, unsignalized intersections and arterials). The remainder of the course covers freeways, weaving sections, ramps, multilane, and two-lane rural facilities. The course includes lectures describing the procedures for performing capacity analyses on each type of highway facility. Demonstrations and hands-on application of the highway capacity software are used to solve example and workshop problems.

The hosting organization is responsible for providing computers with 133 MHz Intel Pentium III or faster processors with Windows 95, NT or better, color monitors, 20 MB of available disk space, and a minimum of 16 MB RAM. IMPORTANT - Maximum of two participants per computer.

OUTCOMES

Upon completion of the training, participants will be able to:

- Explain facility characteristics and their limits as used in the HCM 2000 English
- Explain analytical procedures and how to apply them
- Use formulas by inputting data, reviewing and adjusting default values or adjusting factors, as necessary, for project and local conditions
- Determine LOS from results

TARGET AUDIENCE

State, local, FHWA, contractors, and MPOs who design and analyze intersections, interface with freeways, deal with signal time issues, design and manage operations of urban streets, plan for type of intersections for future needs, work with system(s) monitoring and management of arterial systems; or who conduct operational analysis to determine needs of highway facility, estimate the level of service for new/proposed and existing operations, and manage freeway systems.

TRAINING LEVEL: Beginner

FEE: \$220 Per Person

LENGTH: 1.0 DAY (CEU: 0.6 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: John Halkias • (202) 366-2183 • john.halkias@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is offered in multiple versions. Check the NHI Web site for more information.

**COURSE NUMBER**

FHWA-NHI-133005A

COURSE TITLE**Highway Capacity and Quality of Flow (1.5-Day)**

This course provides basic instruction in the use of the 2000 "Highway Capacity Manual" (HCM). Software is employed in most of the capacity analyses performed in the course. Approximately one-half of the course is dedicated to sessions on interrupted flow facilities (i.e., signalized intersections, unsignalized intersections and arterials). The remainder of the course covers freeways, weaving sections, ramps, multilane, and two-lane rural facilities. The course includes lectures describing the procedures for performing capacity analyses on each type of highway facility. Demonstrations and hands-on application of the highway capacity software are used to solve example and workshop problems.

The hosting organization is responsible for providing computers with 133 MHz Intel Pentium III or faster processors with Windows 95, NT or better, color monitors, 20 MB of available disk space, and a minimum of 16 MB RAM. **IMPORTANT** - Maximum of two participants per computer.

OUTCOMES

Upon completion of the training, participants will be able to:

- Explain facility characteristics and their limits as used in the HCM 2000 English
- Explain analytical procedures and how to apply them
- Use formulas by inputting data, reviewing and adjusting default values or adjusting factors, as necessary, for project and local conditions
- Determine LOS from results

TARGET AUDIENCE

State, local, FHWA, contractors, and MPOs who design and analyze intersections, interface with freeways, deal with signal time issues, design and manage operations of urban streets, plan for type of intersections for future needs, work with system(s) monitoring and management of arterial systems; or who conduct operational analysis to determine needs of highway facility, estimate the level of service for new/proposed and existing operations, and manage freeway systems.

TRAINING LEVEL: Beginner

FEE: \$255 Per Person

LENGTH: 1.5 DAYS (CEU: 0.9 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: John Halkias • (202) 366-2183 • john.halkias@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is offered in multiple versions. Check the NHI Web site for more information.



COURSE NUMBER

FHWA-NHI-133005B

COURSE TITLE

Highway Capacity and Quality of Flow (2-Day)

This course provides basic instruction in the use of the 2000 "Highway Capacity Manual" (HCM). Software is employed in most of the capacity analyses performed in the course. Approximately one-half of the course is dedicated to sessions on interrupted flow facilities (i.e., signalized intersections, unsignalized intersections and arterials). The remainder of the course covers freeways, weaving sections, ramps, multilane, and two-lane rural facilities. The course includes lectures describing the procedures for performing capacity analyses on each type of highway facility. Demonstrations and hands-on application of the highway capacity software are used to solve example and workshop problems.

The hosting organization is responsible for providing computers with 133 MHz Intel Pentium III or faster processors with Windows 95, NT or better, color monitors, 20 MB of available disk space, and a minimum of 16 MB RAM. IMPORTANT - Maximum of two participants per computer.

OUTCOMES

Upon completion of the training, participants will be able to:

- Explain facility characteristics and their limits as used in the HCM 2000 English
- Explain analytical procedures and how to apply them
- Use formulas by inputting data, reviewing and adjusting default values or adjusting factors, as necessary, for project and local conditions
- Determine LOS from results

TARGET AUDIENCE

State, local, FHWA, contractors, and MPOs who design and analyze intersections, interface with freeways, deal with signal time issues, design and manage operations of urban streets, plan for type of intersections for future needs, work with system(s) monitoring and management of arterial systems; or who conduct operational analysis to determine needs of highway facility, estimate the level of service for new/proposed and existing operations, and manage freeway systems.

TRAINING LEVEL: Beginner

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: John Halkias • (202) 366-2183 • john.halkias@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov

**COURSE NUMBER**

FHWA-NHI-133005C

COURSE TITLE**Highway Capacity and Quality of Flow (3-Day)**

This course provides basic instruction in the use of the 2000 "Highway Capacity Manual" (HCM). Software is employed in most of the capacity analyses performed in the course. Approximately one-half of the course is dedicated to sessions on interrupted flow facilities (i.e., signalized intersections, unsignalized intersections and arterials). The remainder of the course covers freeways, weaving sections, ramps, multilane, and two-lane rural facilities. The course includes lectures describing the procedures for performing capacity analyses on each type of highway facility. Demonstrations and hands-on application of the highway capacity software are used to solve example and workshop problems.

The hosting organization is responsible for providing computers with 133 MHz Intel Pentium III or faster processors with Windows 95, NT or better, color monitors, 20 MB of available disk space, and a minimum of 16 MB RAM.

IMPORTANT - Maximum of two participants per computer.

OUTCOMES

Upon completion of the training, participants will be able to:

- Explain facility characteristics and their limits as used in the HCM 2000 English
- Explain analytical procedures and how to apply them
- Use formulas by inputting data, reviewing and adjusting default values or adjusting factors, as necessary, for project and local conditions
- Determine LOS from results

TARGET AUDIENCE

State, local, FHWA, contractors, and MPOs who design and analyze intersections, interface with freeways, deal with signal time issues, design and manage operations of urban streets, plan for type of intersections for future needs, work with system(s) monitoring and management of arterial systems; or who conduct operational analysis to determine needs of highway facility, estimate the level of service for new/proposed and existing operations, and manage freeway systems.

TRAINING LEVEL: Beginner

FEE: \$420 Per Person

LENGTH: 3.0 DAYS (CEU: 1.8 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: John Halkias • (202) 366-2183 • john.halkias@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is offered in multiple versions. Check the NHI Web site for more information.



COURSE NUMBER

FHWA-NHI-133028

COURSE TITLE

Traffic Signal Design and Operation

There is a need to understand that the congestion and delays that exist on our streets and roadways can be better managed with a thorough understanding of effective traffic signal timing and optimization. Well-developed, designed, implemented, maintained, and operated traffic signal control projects are essential to this process. Engineering tools are available to design, optimize, analyze, and simulate traffic flow. This course addresses the application of the "Manual of Uniform Traffic Control Devices" (MUTCD) to intersection displays, as well as signal timing, computerized traffic signal systems, control strategies, integrated systems, traffic control simulation, and optimization software. The course is divided into two primary parts: Traffic Signal Timing and Design, and Traffic Signal Systems.

OUTCOMES

Upon completion of the training, participants will be able to:

- List the steps required to plan, design, and implement a signalized intersection
- Devise an appropriate data collection plan for planning, designing, and operating a signalized intersection
- Perform a warrant analysis using the MUTCD warrants, including local policies
- Design basic phasing of the intersection - which movements will get a separate phase, and how they are numbered
- Calculate signal timing at the design stage for both actuated and coordinated operational strategies, including pedestrian clearance intervals
- Determine location of signal displays
- Select signal-related signs and pavement markings, including turning-movement signs and advance warning signs

TARGET AUDIENCE

Traffic engineering personnel from State, Federal, and local agencies involved in planning, design, operation or maintenance of traffic signals or traffic signal systems. The course will not assume any prior knowledge of computers and thus will describe the theory of operation and the manner in which it can be applied to traffic signal controls.

TRAINING LEVEL: Beginner

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Eddie Curtis • (404) 562-3920 • eddie.curtis@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



With e-learning train without traveling. Go to the NHI Web site for more information on Web-based and Web-conference training.



COURSE NUMBER

FHWA-NHI-133048

COURSE TITLE

Managing Traffic Incident and Roadway Emergencies (1-Day)

This course is part of the core ITS curriculum established by the ITS Professional Capacity Building (PCB) program. For more information on the core curriculum, go to <http://www.pcb.its.dot.gov/Catalogs/ITSCurriculum.htm#section2>. This course addresses institutional and technical aspects of safe and efficient resolutions of traffic incidents and other roadway emergencies. In addition, the course focuses on practices to obtain effective interagency and interdisciplinary understanding and cooperation.

OUTCOMES

Upon completion of the training, participants will be able to:

- Describe the program elements needed for a formalized multi-agency program to manage traffic incidents and roadway emergencies
- List techniques for effective onsite management of incidents

TARGET AUDIENCE

Persons at mid- or upper-management levels in various agencies who direct the resources of their agencies at the scene of a traffic incident or in response to an incident. Agencies that should be represented at workshops include law enforcement, fire and rescue (including emergency medical), emergency communications, transportation (including traffic management and highway maintenance), planning, towing and recovery, traffic reporting media, hazardous materials contractors, and other emergency management personnel responding to traffic emergencies on freeways and arterial streets.

TRAINING LEVEL: Intermediate

FEE: \$300 Per Person

LENGTH: 1.0 DAY (CEU: 0.6 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 35

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: David Helman • (202) 366-8042 • david.helman@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



Use advanced search features on the NHI Web site to find beginner, intermediate, and accomplished level courses.



COURSE NUMBER

FHWA-NHI-133048A

COURSE TITLE

Managing Traffic Incident and Roadway Emergencies (2-Day)

This course is part of the core ITS curriculum established by the ITS Professional Capacity Building (PCB) program. For more information on the core curriculum, go to www.pcb.its.dot.gov/Catalogs/ITSCurriculum.htm#section2.

This course addresses institutional and technical aspects of safe and efficient resolution of traffic incidents and other roadway emergencies. In addition, the course focuses on practices to obtain effective interagency and interdisciplinary understanding and cooperation.

This course is part of the Certificate of Accomplishment in Incident Management. To learn more about how you can achieve a certificate in Incident Management visit the NHI Web site at http://www.nhi.fhwa.dot.gov/training/cert_programs.aspx.

Maximum number of participants for 1 and 2 day course can be increased with prior approval by NHI Training Program Manager. Per session course fees will adjust accordingly, dependent upon number of participants.

OUTCOMES

Upon completion of the training, participants will be able to:

- Apply the program elements needed for a formalized multi-agency program to manage traffic incidents and roadway emergencies
- Compare and contrast techniques for effective onsite management of incidents
- Identify technological solutions to facilitate the management of incidents
- Construct a short-term list of 'next step' actions to improve multi-agency response to both major and minor traffic incidents

TARGET AUDIENCE

Persons at mid- or upper-management levels in various agencies who direct the resources of their agencies at the scene of a traffic incident or in response to an incident. Agencies that should be represented at workshops include law enforcement, fire and rescue (including emergency medical), emergency communications, transportation (including traffic management and highway maintenance), planning, towing and recovery, traffic reporting media, hazardous materials contractors, and other emergency management personnel responding to traffic emergencies on freeways and arterial streets.

TRAINING LEVEL: Intermediate

FEE: \$400 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 35

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: David Helman • (202) 366-8042 • david.helman@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is part of the Incident Management NHI Certificate of Accomplishment Program. Successfully complete and pass these NHI courses to enhance your depth and breadth of knowledge and expertise in this discipline.

FHWA-NHI-133048A-Managing Traffic Incident and Roadway Emergencies (2-day)

FHWA-NHI-133099-Managing Travel for Planned Special Events (2-day)

Coming Soon! FHWA-NHI-133101-Using the Incident Command System (ICS) at Highway Incidents (2-day)



COURSE NUMBER

FHWA-NHI-133075

COURSE TITLE

Freeway Management and Operations (2-Day)

This course provides participants with an appreciation of the key policies, institutional issues, challenges and barriers, and technical and other issues to consider in the planning, design, implementation, management, operation, evaluation, and marketing of freeway facilities. The course is based upon the "Freeway Management and Operations Handbook," September 2003 (FHWA-OP-04-003, EDL No.: 13875). Unlike the 3-day course, which covers all of the information in the handbook, the 2-day course allows a host to tailor the course to the particular needs of the participants. The 2-day course covers 9 core sessions and 3 optional sessions selected from the following list:

Roadway and Operational Improvements
 Ramp Management and Control
 Lane Management and Control
 HOV Systems
 Traffic Incident Management
 Planned Special Events
 Information Dissemination
 Information Sharing and Integrations
 Communication Media

OUTCOMES

Upon completion of the training, participants will be able to:

- Describe the purpose of freeway facilities and the role they serve in relation to the surface transportation system
- Identify the types and causes of congestion on freeway facilities
- Describe the relationship between a public agency's traffic operations program and the activities involved in managing and controlling traffic on freeway facilities
- Describe the value of monitoring, evaluating, and reporting on the performance of freeway facilities
- Identify the range of functions and elements of a transportation management system
- List detection and surveillance techniques used to support freeway management and operations activities
- Depending upon the optional sessions selected for the 2-day course, participants will be able to:
- Compare the potential to improve traffic flow between roadway improvements vs. shorter-term, lower-cost, operational improvements on freeway facilities
- Describe the range of ramp management and control strategies and the conditions under which they might be warranted
- Describe the range of lane management and control strategies and the conditions under which they might be warranted
- Describe the significance of high occupancy vehicle (HOV) lanes as a strategy for improving the performance of freeway facilities
- Identify activities associated with responding to a traffic incident
- List strategies for mitigating the impacts associated with planned special events
- Define travel information, 511 service, pre-trip, and en-route travel condition information
- Describe the significance of sharing or not sharing information and key issues to consider when establishing and maintaining an interface to electronically share information (voice, data, and video)
- Identify key similarities and differences between communications alternative to meet the varied needs of freeway management and operations activities



TARGET AUDIENCE

This course is designed for professionals engaged in any aspect of planning, design, implementation, management, evaluation, enforcement, operation, or marketing of freeway facilities and should be considered as an introductory course for individuals with limited or no experience in traffic management or freeway management. This course is also of value to individuals whose experience is concentrated in one area of freeway operations as the course exposes participants to the wide array of freeway management activities. Participants could include traffic engineers and technicians, transportation planners, roadway design engineers and technicians, construction and maintenance engineers and technicians, managers/supervisors, transit planners, traffic management center (TMC) staff, and public information specialists from public agencies, consultants and contractors, and colleges and universities.

TRAINING LEVEL: Intermediate

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Jessie Yung • (202) 366-4672 • jessie.yung@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



Interested in NHI course materials? Use the NHI Store to purchase course materials online at www.nhi.fhwa.dot.gov. Special instructions are provided for FHWA employees.



COURSE NUMBER

FHWA-NHI-133075A

COURSE TITLE

Freeway Management and Operations (3-Day)

This training course provides participants with an appreciation of the key policies, institutional issues, challenges and barriers, and technical and other issues to consider in the planning, design, implementation, management, operation, evaluation, and marketing of freeway facilities. The 3-day course is divided into 18 sessions, based upon the information presented in the "Freeway Management and Operations Handbook," September 2003 (FHWA-OP-04-003, EDL No.: 13875).

OUTCOMES

Upon completion of the training, participants will be able to:

- Describe the purpose of freeway facilities and the role they serve related to the surface transportation system
- Identify types and causes of congestion on freeway facilities
- Describe the relationship between a public agency's traffic operations program and the activities involved in managing and controlling traffic on freeway facilities
- Describe the value of monitoring, evaluating, and reporting on the performance of freeway facilities
- Compare the potential to improve traffic flow between roadway improvements vs. shorter-term, lower-cost, operational improvements on freeway facilities
- Describe the range of ramp management and control strategies and the conditions under which they might be warranted
- Describe the range of lane management and control strategies and the conditions under which they might be warranted
- Describe the value of high occupancy vehicle (HOV) lanes as a strategy for improving the performance of freeway facilities
- Identify activities associated with responding to a traffic incident
- List strategies for mitigating the impacts associated with planned special events
- Define travel information, 511 service, pre-trip, and en-route travel condition information
- Identify the range of functions and elements of a transportation management system
- Describe the importance of sharing information and key issues to consider when establishing and maintaining an interface to electronically share information (voice, data, and video)
- List detection and surveillance techniques used to support freeway management and operations activities
- Identify key similarities and differences between communications alternatives to meet the varied needs of freeway management and operations activities

TARGET AUDIENCE

This course is designed for professionals engaged in any aspect of the planning, design, implementation, management, evaluation, enforcement, operation, or marketing of freeway facilities and should be considered as an introductory course for individuals with limited or no experience in traffic management or freeway management. This course is also of value to individuals whose experience is concentrated in one area of freeway operations as the course exposes participants to the wide array of freeway management activities. Participants could include traffic engineers and technicians, transportation planners, roadway design engineers and technicians, construction and maintenance engineers and technicians, managers/supervisors, transit planners, traffic management center (TMC) staff, and public information specialists from public agencies, consultants and contractors, and colleges and universities.



TRAINING LEVEL: Intermediate

FEE: \$420 Per Person

LENGTH: 3.0 DAYS (CEU: 1.8 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Jessie Yung • (202) 366-4672 • jessie.yung@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



To host a course complete the online Host Request form on the NHI Web site at www.nhi.fhwa.dot.gov.

**COURSE NUMBER**

FHWA-NHI-133078

COURSE TITLE**Access Management, Location and Design**

This course has received a major update and improvements. The biggest change is that all participants will receive the TRB Access Manual for use in the class and reference after the training. NHI is providing 30 manuals per class and charging the host for these at our cost - \$40 per copy. If there are excess manuals those are to be retained by the host. Each host will be charged a flat fee of \$1,200 for the manuals (30 x \$40) to allow NHI to recoup only our purchase costs.

This course covers the complex technical issues that underlie effective access management practices on streets and highways and provides the technical rationale for proper signal spacing, driveway spacing and design, the application and design of auxiliary lanes. "Before" and "after" case studies illustrate the impacts of projects to improve traffic safety and operations. In addition, the course addresses the issues involved in developing and administering an effective access management program. The course references the state-of-the-practice as presented in the Transportation Research Board's 2003 Access Management Manual, the latest edition of AASHTO's A Policy on Geometric Design of Highways and Streets (Green Book), and pertinent NCHRP reports. In summary, this training provides a lasting reference and specific applications of techniques and practices that will enable transportation engineering and planning personnel to implement successful access management strategies and programs. All participants will receive the class notebook and a copy of the TRB Access Management Manual.

OUTCOMES

Upon completion of the training, participants will be able to:

- Discuss the impact of access on highway safety and operations
- Choose access management techniques to mitigate challenges
- Identify practices needed for implementing access management programs

TARGET AUDIENCE

This course targets transportation and planning professionals involved in traffic operations, roadway design, the planning of circulation systems, and land development. Specifically, the course is designed for those individuals directly involved in implementing access management solutions in their jurisdictions, as it focuses heavily on resources and solutions to reduce the impact of access points on traffic flow.

TRAINING LEVEL: Beginner

FEE: \$420 Per Person

LENGTH: 3.0 DAYS (CEU: 1.8 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Neil Spiller • (202) 366-2188 • neil.spiller@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



COURSE NUMBER

FHWA-NHI-133098

COURSE TITLE

Advancing Transportation Systems Management and Operations

The transportation challenges of the 21st century require a significant cultural shift in the way transportation systems are managed and operated. This means moving from limited interactions between planners and operators to a solid linkage that facilitates data sharing, joint development of regional operations opportunities, resource sharing, and supportive institutional arrangements.

From an operations perspective, this cultural shift requires anticipating user needs 24/7, focusing on customers, and changing policies and procedures to be performance based. To be successful, the new norm requires a cross-jurisdictional, multiagency, and multimodal perspective. From a planning standpoint, this cultural shift means bringing "operations thinking" into the planning process. Smart planning requires that ongoing operations be considered in regional planning and investment decisions.

This course provides an understanding of Transportation Systems Management and Operations (TSM&O) in a regional context. It explores 21st century transportation challenges and how to advance TSM&O through a cultural shift in operations and planning. Throughout the course, collaboration and coordination among transportation professionals and related stakeholders are emphasized as key components to reshaping the culture and enabling the advancement of TSM&O. The course presents a five-part framework for collaboration and coordination to assist transportation professionals and related stakeholders in working together in a meaningful and sustained way.

NOTE: There is a 2-hour Executive Summary Seminar available to State and local elected and appointed officials. Please contact your FHWA Division office for more information about this seminar.

OUTCOMES

Upon completion of the training, participants will be able to:

- State the importance of a regional perspective in TSM&O
- Describe the cultural shift needed among operators, planners, and decisionmakers to affect TSM&O
- Identify the opportunities to link planning and operations
- Formulate a regional concept for transportation operations
- Describe a framework for enabling the advancement of TSM&O

TARGET AUDIENCE

This 1-day course is intended for transportation operators (e.g., agency managers/operations deputies, public works directors, transportation management center directors), transportation planners (at State DOT, MPO and local levels), public safety managers (e.g., chiefs/deputy chiefs of police/fire, directors of operations in large departments), freight/shipper community managers, business sector interests (e.g., economic development, tourism), and other key stakeholders that are significant within a region or across adjoining regions of interest. It is very important for a successful course to have a mix of decision-making managers that includes operators, planners, and key stakeholders from States, cities, counties and metropolitan planning organizations (MPOs). Agencies/organizations considering hosting this course are encouraged to consult with the technical point of contact listed for assistance or background.

TRAINING LEVEL: Intermediate

FEE: \$220 Per Person

LENGTH: 1.0 DAY (CEU: 0.6 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Wayne Berman • (202) 366-4069 • wayne.berman@fhwa.dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



COURSE NUMBER

FHWA-NHI-133099

COURSE TITLE

Managing Travel for Planned Special Events (2-Day)

The Rose Bowl, the Macy's Day Parade, and the Nation's numerous marathons, golf tournaments, and county fairs are just some of the planned special events that are held throughout the country every year. Managing travel to these and other events will allow event patrons to enjoy themselves from the moment they leave home. In addition, a well-designed transportation plan for these events accommodates the needs of the nearby residents and businesses.

This course provides practitioners with a working knowledge of the techniques and strategies they may wish to use for the successful planning and operation of a specific planned special event. Practitioners will gain an understanding of the collective tasks facing multidisciplinary and inter-jurisdictional stakeholder groups charged with developing and implementing solutions to acute and system-wide impacts on travel during a special event. Instructors will identify all potential tasks and stakeholder activities conducted within individual phases of managing planned special events.

This course will refer to FHWA's Managing Travel for Planned Special Events Handbook and guide participants on how to apply key concepts in the handbook. The handbook in CD format is provided with the course materials.

The 2-day version of the course will guide practitioners through all the phases of managing travel for planned special events for a specific event category, based upon an event scenario defined by the course participants. In addition, the goal of the 2-day course and group exercises is to meet the participant's needs in planning and managing a similar future event for a specific locale. Course participants will identify and apply pertinent planning steps, operations activities, and associated considerations in developing an action plan for the defined planned special event scenario.

This course is part of the Certificate of Accomplishment in Incident Management. To learn more about how you can achieve a certificate in Incident Management visit the NHI Web site at http://www.nhi.fhwa.dot.gov/training/cert_programs.aspx.

OUTCOMES

Upon completion of the training, participants will be able to:

- Name the main categories of planned special events
- State key phases of managing travel for planned special events
- Identify the goals of managing travel for planned special events
- Describe the benefits of proactively managing travel for planned special events
- Describe the purpose and value of an action plan for managing travel for a specific planned special event
- List key components of an action plan
- Identify key factors that influence the potential effect a planned special event may have on the performance of the surface transportation system
- List key components of a traffic management plan
- State opportunities or sources where resources could be obtained to initiate activities identified in a planned special event travel management action plan
- Name near-term or short-term actions that are priorities in a planned special event travel management action plan
- State potential activities involved with the implementation of a traffic management plan for a planned special event
- Name key activities performed by the traffic management team on the day of the event
- Explain how post-event activities may improve the management of travel for future planned special events



TARGET AUDIENCE

Transportation agencies that will be involved in developing the plans and implementing transportation management plans for upcoming events.

This course and the corresponding workshop are designed for any individual engaged in or responsible for directing agency resources related to the following five key phases associated with managing travel for planned special events: (1) program planning, (2) event operations planning, (3) implementation activities, (4) day-of-event activities, and (5) post-event activities. This is an introductory course and workshop for individuals with limited or no experience with applying the recommended concepts and techniques in all of the phases involved with managing travel for planned special events.

Participants could include traffic engineers and technicians, transportation planners, managers/supervisors, transit planners and operations supervisors, transportation management center staff, law enforcement personnel, public safety transportation coordinators (e.g., fire, emergency medical types of personnel, etc.), public information specialists, event operators (e.g., parking management, traffic control, etc.), emergency management personnel, consultants, and post-secondary students and faculty.

TRAINING LEVEL: Beginner

FEE: \$320 Per Person

LENGTH: 2.0 DAYS (CEU: 1.2 UNITS)

CLASS SIZE: MINIMUM: 20; MAXIMUM: 30

NHI Training Information: (703) 235-0534 • nhitraining@dot.gov

Subject Matter Contact: Laurie Radow • (202) 366-2855 • laurel.radow@dot.gov

NHI Training Program Manager: Bud Cribbs • (703) 235-0526 • bud.cribbs@fhwa.dot.gov



This course is part of the Incident Management NHI Certificate of Accomplishment Program. Successfully complete and pass these NHI courses to enhance your depth and breadth of knowledge and expertise in this discipline.

*FHWA-NHI-133048A Managing Traffic Incident and Roadway Emergencies (2-day)
FHWA-NHI-133099 Managing Travel for Planned Special Events (2-day)
Coming Soon! FHWA-NHI-133101 Using the Incident Command System (ICS) at Highway Incidents (2-day)*



COURSE NUMBER

FHWA-NHI-133099A

COURSE TITLE

Managing Travel for Planned Special Events (1-Day)

The Rose Bowl, the Macy's Day Parade, and the Nation's numerous marathons, golf tournaments, and county fairs are just some of the planned special events that are held throughout the country every year. Managing travel to these and other events will allow event patrons to enjoy themselves from the moment they leave home. In addition, a well-designed transportation plan for these events accommodates the needs of the nearby residents and businesses.

This course provides practitioners with a working knowledge of the techniques and strategies they may wish to use for the successful planning and operation of a specific planned special event. Practitioners will gain an understanding of the collective tasks facing multidisciplinary and inter-jurisdictional stakeholder groups charged with developing and implementing solutions to acute and system-wide problems affecting travel during a special event. Instructors will identify all potential tasks and stakeholder activities conducted within individual phases of managing planned special events. The course will refer to FHWA's Managing Travel for Planned Special Events Handbook and guide participants on how to apply key concepts in the handbook. The handbook in CD format is provided with the course materials.

NOTE: See FHWA-NHI-133099 for the 2-day version of the course, which will provide scenario-based exercises and practices in a workshop format.

OUTCOMES

Upon completion of the training, participants will be able to:

- Name the main categories of planned special events
- State key phases of managing travel for planned special events
- Identify the goals of managing travel for planned special events
- Describe the benefits of proactively developing plans designed to manage travel for planned special events
- Describe the purpose and value of an action plan for managing travel for a specific planned special event
- List key components of an action plan
- Identify key factors that influence the potential effect a planned special event may have on the performance of the surface transportation system
- List key components of a traffic management plan

TARGET AUDIENCE

This course and the 2-day workshop are designed for any individual engaged in or responsible for directing agency resources related to the following five key phases associated with managing travel for planned special events: (1) program planning, (2) event operations planning, (3) implementation activities, (4) day-of-event activities, and (5) post-event activities. The 1-day introductory course is for individuals with limited or no experience with applying the recommended concepts and techniques in all of the phases involved with managing travel for a planned special event.

Participants could include traffic engineers and technicians, transportation planners, managers/supervisors, transit planners and operations supervisors, transportation management center staff, law enforcement personnel, public safety transportation coordinators (e.g., fire, emergency medical personnel, etc.), public information specialists, event operators (e.g., parking management, traffic control, etc.), emergency management personnel, consultants, and post-secondary students and faculty.

TRAINING LEVEL: Beginner

FEE: \$220 Per Person

LENGTH: 1.0 DAY (CEU: 0.6 UNITS)

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