



Minnesota Department of Transportation  
Mail Stop 650  
395 John Ireland Blvd.  
St. Paul, MN 55155

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*NHI Course – Freeway Management and Operations*

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<b>Course Date</b>	<b>Course Time</b>	<b>Location</b>
February 6-7, 2007	8:00 a.m. to 4:30 p.m.	Mn/DOT Arden Hills Training Center

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 course, 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

The fee for this class will be **\$270.00 per person, payable in advance to “National Highway Institute.”** All cancellations must be made 7 calendar days prior to the class starting date. All cancellations must be in writing by letter, fax (651/296-3811) or e-mail to [sandy.servatius@dot.state.mn.us](mailto:sandy.servatius@dot.state.mn.us). No refunds will be given after this time. No show will be the full class fee responsibility of the registrant. Mn/DOT reserves the right to cancel under-enrolled courses.

**TO ENROLL:** Please complete and return the registration form below. Registrations are accepted on a first come basis, payment must accompany registration. Please use a separate form for each registration (xerox copies of this form are acceptable). **Phone registrations are not accepted.**

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***REGISTRATION FORM - NHI Course – Freeway Management and Operations***

Last Name \_\_\_\_\_ First Name \_\_\_\_\_ M.I. \_\_\_\_  
 Home Address: \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Firm/Organization \_\_\_\_\_  
 Business Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
 Daytime Phone (ac) \_\_\_\_\_ Fax \_\_\_\_\_ Contact Person \_\_\_\_\_

Enclosed is \$\_\_\_\_\_ (\$270.00/person) check or money order, payable to “National Highway Institute” in full payment of course fees. Mail to: Mn/DOT, Attn: Sandy Servatius, Mail Stop 650, 395 John Ireland Blvd., St. Paul, MN 55155.

**A confirmation of enrollment and a map showing course location will be sent to your business address.**

**Individuals who have a disability, either permanent or temporary, which might affect their ability to perform in this class, should indicate the disability on the back of this registration form.**