

PTOE/TOPS Refresher Course
REGISTRATION INFORMATION
July 9, 2008
Illinois ITE Section
Chicago, IL

Name _____
Title _____
Agency _____
Address _____

City _____ ST ____ Zip _____
Phone _____
Fax _____
Email _____

Please make checks payable to:
ITE -Illinois Section

Registration

___ **US\$ 150/person**
via Midwestern District Conference online
registration at: www.midwesternite.org
-OR-
Send registration form to:

PTOE/TOPS Refresher Course
Metro Transportation Group, Inc.
Attention: Chris DeRosia
212 W. Kinzie, 3rd Floor
Chicago, IL 60610-4695

Phone: (312) 853-0820 ext. 1303
Fax: (312) 245-9612

Metro Transportation Group, Inc.
Attention: Chris DeRosia
212 W. Kinzie
Chicago, IL 60610-4695

PTOE/TOPS

Refresher Course

on

July 9, 2008

in

Chicago, IL

including procedures in the

HCM2000
(Highway Capacity Manual)

2003 MUTCD
(Manual on Uniform Traffic
Control Devices)

2004 Policy on the Geometric
Design of Highways and
Streets

2001 Traffic Control Devices
Handbook

**PTOE/TOPS Refresher Course
Cook County Highway Department
69 W. Washington Street, Pedway Lower
Level (Across from Secretary of State)
Chicago, IL 60602**

**July 9, 2008
(8:30-5:00)**

Course Information

The Professional Traffic Operations Engineers (PTOE) / Traffic Operations Practitioner Specialist (TOPS) Refresher Course is intended to provide an overview of topics, key references, and an independent study guide for the PTOE and/or TOPS certification examination. The course prepares participants for either examination, but is not keyed specifically to examination questions. It is expected that participants will take the refresher course, use it as a guide for self-study, and then take the certification exam at some future date. Emphasis of the training modules is on an overview of the topic, specific linkages to references, and a set of take-home examples for individual study. These instructional modules are intended to emphasize basic concepts, practical problem solving, and fundamental terminology.

This course has been updated to remain consistent with current PTOE and TOPS examination questions based on recent publications including the 2000 Highway Capacity Manual, 2003 Manual on Uniform Traffic Control Devices, 2004 Policy on Geometric Design of Highways and Streets, and 2001 Traffic Control Devices Handbook.

Who Should Attend

Practicing Engineers who intend to take the PTOE or TOPS certification exam. **(0.7 CEUs/7 PDHs)**

Content

- Traffic Engineering Studies
 - Basic statistical tools
 - Volume studies and characteristics
 - Spot speed studies
 - Travel time and delay studies
 - Parking studies
- Traffic Operations Analysis

Traffic flow concepts
Roadway and intersection operations
Site impact analysis
Travel demand management
Intelligent transportation systems

- Operational Effects of Geometric Design
 - Functional classification
 - Geometric design controls and criteria
 - Horizontal and vertical alignments
 - Roadway cross section elements
 - Intersection design elements
 - Interchange configurations
- Traffic Safety
 - Roadway and roadside safety concepts
 - Identification of high hazard locations
 - Analysis of high hazard locations
 - Identification of countermeasures
 - Evaluation of implemented improvements
 - Legal liability
- Traffic Control Devices
 - Uniform traffic control devices
 - Signing applications
 - Pavement marking applications
 - Traffic control signals
 - Highway-railroad grade crossings
 - Traffic control for highway work zones
- Social, Environmental, and Institutional Issues
 - Legislative/regulatory framework
 - Urban and regional planning
 - Environmental impacts

INSTRUCTOR

Robert K. Seyfried is the Director of the Transportation Safety Division of the Northwestern University Center for Public Safety. He is responsible for the administration, planning, development and presentation of seminars and workshops in Transportation Engineering both on-campus in Evanston, Illinois and throughout the United States.

Mr. Seyfried has B.S. and M.S. degrees in Civil Engineering from Northwestern University. He is a member of the Institute of Transportation Engineers, the American Society of Civil Engineers, Transportation Research Board, and the Regulatory/Warning Signs Technical Committee of the National Committee on Uniform Traffic Control Devices. He is also a registered Professional Engineer in the State of Illinois and a Certified Professional Traffic Operations Engineer.

Mr. Seyfried was the author of the chapter on Traffic Signal Operations for the *Intersection Safety Toolbox* and a one-hour training module on *Engineering Countermeasures for Red-Light Running*, both published by the Institute of Transportation Engineers.

Mr. Seyfried has a total of 39 years experience in transportation engineering, and has been on the staff of the Northwestern University Center for Public Safety for the past 31 years.

RESERVATIONS

Overnight accommodations should be made directly with the Hard Rock Hotel (312-345-1000).

REGISTRATION AND FEE

Registration should be made in advance via Midwestern District Conference website @ www.midwesternite2008.org by completing and submitting the registration form with the appropriate fee to the ITE – Illinois Section.

CANCELLATION POLICY

- A full refund will be issued if request is received in writing three weeks prior to the course.
- \$25.00 processing fee retained if written cancellation is received three working days before the course.
- NO refund given after that date, except in the event the workshop is canceled. Failure to attend does not constitute cancellation.
- In the event the workshop is canceled a full refund will be returned, but the ITE – Illinois Section is not responsible for non-refundable travel fares or lodging deposits.

SPONSORSHIP

This seminar is being sponsored by the Illinois Section of the Institute of Transportation Engineers.

Contact Chris DeRosia at (312) 823-3233 ext. 1303 or cld@metrotransportation.com for registration information, or Bob Seyfried at (847) 491-3431 or r-seyfried@northwestern.edu, for course information.