TEMPORARY TRAFFIC CONTROL PLAN DEVELOPMENT WORKSHOP

FHWA Work Zone Safety Grant

WHEN:
February 18th-19th, 2014

WHO:
Engineers, planners, field supervisors, foreman, or other individuals involved with work zone temporary traffic control

WHERE:
SEMCOG Main Office
1001 Woodward Avenue,
Suite 1400, Detroit, MI
48226-1904

REGISTRATION:
http://www.semcog.org/SEMCOG_University.aspx

HOST:
Southeast Michigan Council of Governments (SEMCOG)

PROGRAM OVERVIEW
• Utility Work Zones (3.5 Hrs)
• Short-Term, Short Duration and Mobile Work Zones (2 Hrs)
• Urban Work Zones (2Hrs)
• Temporary Traffic Control Plan Selection Software (1.5 Hrs)
• Work Zone Safety Compendium of Documents Search Engine (0.5 Hr)

Program Contact:
Tapan K. Datta Phd., P.E.
Professor - Wayne State University
Civil and Environmental Engineering
(313) 577-9154
tdatta@eng.wayne.edu
FHWA Work Zone Safety Grant

Wayne State University has developed a series of training programs, decision-support guidelines and tools to assist those involved in highway work zone planning, design, implementation and operation. This may include individuals ranging from engineers, planners, field supervisors, foreman and other professionals involved with highway work zone temporary traffic control. Training will emphasize key work zone topics including:

**UTILITY WORK ZONES** - This program includes coverage of positive guidance, human factor considerations, and general traffic control principles. Guidance is provided as to the important aspects of utility work zone safety, including the use of uniform and consistent traffic control devices, as well as the development of a set of typical temporary traffic control plans (TTCP) that are appropriate for site-specific characteristics.

**SHORT-TERM, SHORT DURATION, & MOBILE WORK ZONES** - Short-term, short duration, and mobile work zones present unique challenges given the need to balance the risks involved with the setup and removal of traffic control devices versus the time required for the actual execution of work activities. Both broad and specific circumstances involved in such work are covered, providing important insight to those involved with the planning and implementation of such work activities.

**URBAN WORK ZONES** - This program introduces planning and design alternatives that can accommodate unique urban issues, such as limited right-of-way, accessibility for pedestrians and bicyclists, higher traffic volumes, more roadside distractions, and the existence of frequent intersections and driveways.

**TEMPORARY TRAFFIC CONTROL PLAN SELECTION SOFTWARE** - The WSU-TRG has developed an automated software program to assist in developing appropriate temporary traffic control plans (TTCP) for a variety of common highway work zone scenarios. This software program selects a plan based upon characteristics such as the type of work being conducted, the work setting (i.e., urban/rural), speed limit, traffic volumes, and other relevant factors, while remaining compliant to the MUTCD. It also provides online access to individual states standards.

**WORK ZONE SAFETY COMPENDIUM** - A web-based, customized search engine that provides a one-stop shop for work zone safety related issues. A catalog has been developed, which includes project reports, research articles, agency standards and specifications, and other important resources that can be used by work zone professionals. This compendium tool provides a searchable database.

Program Contact:
Tapan K. Datta Phd., P.E.
Professor - Wayne State University
Civil and Environmental Engineering
(313) 577-9154
tdatta@eng.wayne.edu