

## **FHWA Work Zone Safety Grant**

### **AREA 3 – Course Descriptions**

#### **Traffic Control Design Specialist – 2 day course \***

**\*This is an ATSSA Copyrighted course**

This course is for individuals charged with the evaluation, development and implementation of a traffic control plan (TCP). The intended audiences are engineers and/or anyone responsible for designing a TCP. Previous work zone experience is not required. . Topics include introduction to work zone safety, applicable standards and guidelines, fundamental principles of temporary traffic control, human factors, the component parts of a traffic control zone, traffic control devices, constructability, and development of a traffic management plan. Students will breakout into small groups for hands-on exercises. A certification program is available for this course.

**For those individuals, who are already TCS certified, a one-day TCDS course is available.\***

**\*This is an ATSSA Copyrighted course.**

From Area 2, the following will be included:

- positive protection
- high visibility garments
- pedestrians
- impact assessment
- short duration operations

Schedule:

Development (updates and modifications): 12/01/07 – 3/03/08

First Draft to FHWA: 3/03/08 (need comments within 2 weeks: 3/17/08)

Final Draft to FHWA: 4/1/08

Instructor Guide: 5/5/08

All Materials Finalized: 6/2/08

## **Urban Work Zone Design – 2 day course\***

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This course addresses “urban” work zones, particularly the enhancements and considerations (“substantive safety”) necessary to address work zones in urban environments. These environments may involve restricted spaces, lack of space for buffer spaces, parking issues, limited sight distance, business access and pedestrians and bicyclist considerations, etc. The course will address instances when standards cannot be met and how to address these situations. Freeways will not be covered in this course. This course is intended for work zone designers and traffic control supervisors who may work in urban environments.

From Area 2, the following will be included:

- Pedestrians and bicyclists
- ADA requirements
- Positive protection
- High visibility garments
- Impact assessment
- Short duration

Schedule:

Development (updates and modifications): 1/2/08-4/1/08

First Draft to FHWA: 4/25/08 (need comments within 2 weeks: 5/09/08)

Final Draft to FHWA: 5/23/08

Instructor Guide: 6/27/08

All Materials Finalized: 7/11/08

## **Work Zone Strategies – 2 day course**

This course will discuss non-typical strategies available to work zone designers. It will focus on strategies specifically designed to improve work zone safety and mobility, such as work zone full closures, variable speed limits, impact analysis, and enforcement. The FHWA Work Zone Safety and Mobility Final Rule will be discussed. The intended audiences are engineers and/or anyone responsible for planning and designing a traffic control plan (TCP).

From Area 2, the following will be included:

- **work zone planning, impact assessment and mitigation**
- positive protection
- high visibility garments

Schedule:

Development: 1/2/08-4/1/08

First Draft to FHWA: 4/25/08 (need comments within 2 weeks: 5/09/08)

Final Draft to FHWA: 5/23/08

Instructor Guide: 6/27/08

All Materials Finalized: 7/11/08

**Analytical Tools for Work Zone Planning – 1 to 1.5 day course  
depending on final course content and number of tools included**

This course will focus on federal funded microcomputer tools available to assist in the planning and design of work zone layouts. For each tool, an overview will be given including its strengths and weaknesses so that participants assess the effectiveness of each tool. Real-time demonstrations will be conducted. This course is intended for work zone planners and designers looking for effective ways to plan and design work zone layouts.

The following tools will be included:

- Quick Zone
- Corsim
- ?
- ?

From Area 2, the following will be included:

- work zone safety planning, impact assessment and mitigation

Schedule:

Development: 6/2/08-7/1/08

First Draft to FHWA: 7/1/08 (need comments back within 2 weeks: 7/18/08)

Final Draft to FHWA: 8/1/08

Instructor Guide: 8/29/08

All Materials Finalized: 9/1/08

## **Maintenance and Short Duration Activities Course – 1 day course**

This course covers typical applications that apply to short duration activities including utility operations, moving operations, and other short duration maintenance operations. Emphasis will be placed on the use of simplified procedures and worker protection. The intended audience for this course is anyone involved in short duration activities within the roadway's right-of-way.

From Area 2, the following will be included:

- high visibility garments
- maintenance and short duration activities
- pedestrians

Schedule:

Development: 6/2/08-7/1/08

First Draft to FHWA: 7/1/08 (need comments back within 2 weeks: 7/18/08)

Final Draft to FHWA: 8/1/08

Instructor Guide: 8/29/08

All Materials Finalized: 9/1/08