

Transportation Pooled Fund Program

Project Title: "Development of Computer-Based Training (CBT) Lessons Study.		
Project Manager and Phone Number: Michael M. Moravec LTPP Field Engineer - FHWA Resource Center 10 S. Howard St. Suite 4000 Baltimore, MD 21201 (410)962-5623 (W) (410)241-4361 (C)	Project No: TPF-5(008) Related to Project No: SPR-2(183)	Project is: <input type="checkbox"/> PLANNING <input checked="" type="checkbox"/> R&D
Reporting Period: December 2005	Multi Year Project Yes	

Description of Work Performed and Progress:

All 34 proposed lessons are complete on 34 individual CD's that have been delivered to participating states. Also produced were 2 DVD's including all of the completed lessons.

The Technical Advisory Committee will convene once more either via web conferencing or in person to determine intellectual property and distribution issues for non-participating states, universities, and the private sector.

A financial report identifying any remaining funds needs to be prepared prior to this meeting.

Below is a listing of the modules of this in depth course and a demonstration of the interactive modules can be arranged upon request:

- 1 - Intro to the Vertical Alignment Design Process
- 2 - Design Speed and Capacity
- 3 - Understanding Clear Zones I: Introduction to the Clear Zone Concept
- 4 - Clear Zones Part II: Identifying & Treating Obstacles
- 5 - Horizontal Alignment: Physical Control Features and Sight Distance
- 6 - Clear Zones Part III: Breakaway Devices and Roadside Barriers
- 7 - Clear Zones Part IV: Median Barriers
- 8 - Clear Zones Part V: Barrier End Treatments, Impact Attenuators, and Bridge Railings as Barriers
- 9 - Reading and Using Contours
- 10- Understanding Cross Sections
- 11- Understanding Stations and Stationing
- 12- Station Equations Along Single Centerlines
- 13- Station Equations Along Multiple Centerlines
- 14- Vertical Alignment: Sight Distance
- 15- Vertical Alignment Balancing Design Options
- 16- Vertical Alignment: Physical Control Features
- 17- Vertical Alignment: Climbing Lanes and Emergency Escape Ramps
- 18- Independent Alignment and Intersection Sight Distance
- 19- Introduction to Superelevation
- 20- Superelevation: Practical Application
- 21- Superelevation: Multiple Lane Applications
- 22- At-Grade Intersection Design
- 23- Grade Separate Intersections & Interchanges
- 24- Acceleration and Deceleration Lane Design
- 25- Turning Movements at Intersections
- 26- Understanding and Computing Tapers
- 27- Understanding 3 Basic Views, Plan, Profile, & Cross Section
- 28- Understanding Typical Sections
- 29- Introduction to the Horizontal Alignment Process
- 30- Introduction to Computing Quantities
- 31- Computing and Tabulating Quantities
- 32- Understanding and Computing Earthwork Quantities
- 33- Tabulating and Balancing Earthwork
- 34- Computing Drainage and Concrete Paving Quantities

STATUS AND COMPLETION DATE

Percentage of work completed to date for total project

Project is: 99 %

 on schedule behind schedule, explain:

Expected Completion Date: Close out webconference required to tie loose ends and to transition to new web-based project proposed by MnDOT and endorsed by Connecticut and Texas.



Project Manager

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