AGENDA

FSUTMS COMPREHENSIVE MODELING WORKSHOP

Day One – 1:00 p.m.

Lesson	Part	Description

Workshop Introductions

1   **1**   **Overview of Traditional Four-Step Modeling Process**

2   **1**   **Relationship Between FSUTMS Tranplan and FSUTMS-Cube Voyager**
Computer Workshop: Relationships
- *Exercise 2.1.1 – View the Olympus Input Data Files*
- *Exercise 2.1.2 – Execute Cube*
- *Exercise 2.1.3 – View Loaded Network*

3   **FSUTMS New Standards**
1   **Design Concepts, Considerations and Recommendations**

2   **FSUTMS Launcher/Scenario Manager**
Computer Workshop: FSUTMS Launcher
- *Exercise 3.2.1 – Execute the FSUTMS Launcher*
- *Exercise 3.2.2 – Switch to Applier Mode*
- *Exercise 3.2.3 – Execute the Scenario Manager*

Summary of Day 1 (End 5:00 p.m.)

Day Two - 8:30 a.m.

Lesson	Part	Description

4   **Trip Generation**
1   **What are the Standards?**
Computer Workshop: Trip Generation
- *Exercise 4.1.1 – Review Trip Generation Inputs*
- *Exercise 4.1.2 – Execute Trip Generation*
- *Exercise 4.1.3 – Review Trip Generation Outputs*
- *Exercise 4.1.4 – Update Socioeconomic Data and Re-Run Model*
- *Exercise 4.1.5 – Review Revised Outputs*

2   **External Model**
Computer Workshop: External Model
- *Exercise 4.2.1 – Create an EE Trip Matrix*
- *Exercise 4.2.2 – Forecasting Future External Trip Data*

5   **Highway Networks/Paths**

     1   **What are the Standards for Highway Networks?**
Computer Workshop: Highway Networks
- Exercise 5.1.1 – Review Highway Network Inputs
- Exercise 5.1.2 – Edit Highway Network
- Exercise 5.1.3 – Update Highway Network
- Exercise 5.1.4 – Review Updated Network

Summary of Day 2 (End 5:00 p.m.)

Day Three - 8:30 a.m.

Lesson   **Part**   **Description**

5

     2   **What are the Standards for Highway Paths?**
Computer Workshop: Minimum Paths
- Exercise 5.2.1 – Display Highway Paths

6   **Trip Distribution**

     1   **What are the Standards for Trip Distribution?**
Computer Workshop: Distribution
- Exercise 6.1.1 – Review Trip Distribution Inputs
- Exercise 6.1.2 – Execute Trip Distribution Model
- Exercise 6.1.3 – Review Results

7   **Transit Network/Paths**

     1   **What are the Standards for Transit Networks?**
Computer Workshop: Transit
- Exercise 7.1.1 – Coding a Transit Network
- Exercise 7.1.2 – Building Transit Network/Paths

     2   **What are the Standards for Transit Paths?**

Summary of Day 3 (End 5:00 p.m.)

Day Four - 8:30 a.m.

Lesson	Part	Description

8   **Mode Choice**

1   **What are the Standards for Mode Choice?**
Computer Workshop: Mode Choice
- Exercise 8.1.1 – Run the Mode Choice Model
- Exercise 8.1.2 – Retrieve Transit Ridership by Mode Share

9   **Assignments**

1   **What are the Standards for Highway Assignment?**
Computer Workshop: Highway Assignment
- Exercise 9.1.1 – Performing Assignments
  (Run Both Highway and Transit Assignments)
- Exercise 9.1.2 – Labeling Traffic Volumes on a Map
- Exercise 9.1.3 – Creating Traffic Flow Maps
- Exercise 9.1.4 – Creating Desire Line Maps

2   **What are the Standards for Transit Assignment?**
Computer Workshop: Transit Assignments
- Exercise 9.2.1 – Retrieving Total Transit Ridership Results by Bus Route
- Exercise 9.2.2 – Map Transit Boardings
- Exercise 9.2.3 – Map Transit Desire Lines

Summary of Day 4 (End 5:00 p.m.)

Day Five - 8:30 a.m.

Lesson	Part	Description

10   **Post Processing**

1   **How to Set Up and Print Layouts**
Computer Workshop: Layouts
- Exercise 10.1.1 – Setting Up and Printing a Map Layout

11   **Advanced Tools**

1   **What are Some of the Advanced Tools Available in FSUTMS?**
Computer Workshop: Tools
- Exercise 11.1.1 – Exporting a Loaded Highway Network to a Link Shapefile
- Exercise 11.1.2 – Conduct a Select Link Analysis Using the Scenario Manager
- Exercise 11.1.3 – Conduct a Select Link Analysis Using a Path File
- Exercise 11.1.4 – Saving and Viewing Turn Volumes
- Exercise 11.1.5 – Creating a New Application
  (includes conversion of a matrix file to a dbf file)

12   **Review of FSUTMS Cube-Voyager Four-Step Modeling Process**
Computer Workshop: Summary Exercise

Course Summary - Evaluations
Adjourn (End 12:00 p.m.)