Sunday, May 16, 1999

12:00 - 3:00 PM  Registration, Vendor Set Up
4:00 PM  Group Departs for Welcome Reception at Busch Gardens, Tampa
4:30 - 9:30 PM  Busch Gardens, Tampa - Admission to Theme Park, Dinner, and Entertainment
9:30 PM  Group Departs for Hotel

Monday, May 17, 1999

7:00 AM  Registration
8:00 AM  Continental Breakfast
9:00 AM  1. Opening Session
   - Welcome-Introductions, Steven Polzin
   - Welcome to USF, Gary Brosch
   - FTA Introduction, Mathew Rabkin
   - FTA Welcome, Walter Kulyk
   - The Transit GIS Opportunity, Walter Kulyk
   - FTA National Transit GIS: Status and Plans, William Wiggins
10:15 - 10:30 AM  Refreshment Break
10:30 - 12:00 PM  2. General Session - Evolving GIS Capabilities: Industry Perspective
   - Moderator: Matthew Rabkin, US DOT Volpe National Transportation Systems Center
   Panelists:
   - John Attanucci, Multisystems, Inc.
   - David Maguire, Environmental Systems Research Institute, Inc. (ESRI)
   - Howard Slavin, Caliper Corp.
12:00 - 1:00 PM  Lunch - Guest Speaker:
   - Transit & Geographic Information Systems - A Look Forward
   - Jack M. Reily, Capital District Transportation Authority
Monday, May 17, 1999

1:30 - 3:00 PM Concurrent Sessions

3. Concurrent Session I: Developing and Applying GIS Capabilities to Public Transportation I  
   Moderator: Joel Volinski, CUTR
   
   The Transit GIS Tool Box - A Visual Basic/Map Objects Application for Transit Operations and Planning  
   Michael Berman, Seattle Metro
   
   Miami-Dade County GIS-based Integrated Transportation Management System  
   Girish Kumar, Ramon Alvarez, Jesus Guerra, David Plummer & Associates, Inc.
   
   Building Applications to Support the Effective Use of GIS by NYS Transit Operators  
   Jim Davis, William Telovsky, Thomas Vaughan, New York State Department of Transportation
   
   GIS Transit Network Coding System  
   Gustavo Baez and Chunxi Chi, North Central Texas Council of Governments
   Jingke Chen, Houston-Galveston Area Council

4. Concurrent Session II: GIS Applications to Support Paratransit Service Delivery  
   Moderator: Ram Pendyala
   
   ADART - Autonomous Dial-a-Ride Transit: A Practical GIS/ITS Application  
   Robert Dial, US DOT Volpe National Transportation Systems Center
   
   GIS Based Support System for On-Demand Flexroute Transit Service  
   Brian L Smith, University of Virginia, Priya Durvasula, ALK Associates, Stephen Brich, Virginia Transportation Research Council
   
   GIS Based Paratransit Routing & Scheduling to Improve Fleet Efficiency  
   Marc Kratzschmar, ESRI

5. Concurrent Session III: Making GIS Work: Planning and Implementation (Workshop Session)  
   Moderator: Shirley Hsiao, Orange County Transit Authority (OCTA)
   
   GIS project life cycle, strategic integration with intelligent transportation systems, interface with existing operations programs, comprehensive versus modular development, staffing versus outsourcing, sustaining data sources through standardization  
   Terry Bills, John Sutton, Xiaobo Zhang, OCTA

3:00 - 3:30 PM Refreshment Break in Exhibit Hall
3:30 - 5:00 PM Concurrent Sessions

6. Concurrent Session I: Developing and Applying GIS Capabilities to Public Transportation II

Moderator: Dennis Hinebaugh

GIS Transit Applications in Fairfax County, VA
Brendan Ford, Fairfax County Geographic Information Services
Wenyu Jia, Fairfax County Department of Transportation

Evaluating Accessibility and Optimizing Locations of Transit Service
Facilities Using GIS
Shashi Nambisan, Srinivas Pulugurtha, Nanda Srinivasan,
Transportation Research Center at University of Nevada, Las Vegas

GIS Regional Transit Database Architecture
Emilio Escudero, Metropolitan Transportation Commission,
Oakland, CA, John Sutton, GIS/Trans, Ltd.

Measuring Transit Availability with GIS
Jon Ausman, Florida Department of Transportation

7. Concurrent Session II: Rural Transit GIS Applications

Moderator: William Wiggins, FTA

Small Rural Operations Integrating ITS
Steven Jones, Flagler County Council on Aging

The Evolution of Rural Transit using GIS
Mary Constiner, Florida Commission for the Transportation Disadvantaged

Development of GIS Model to Improve Access to Jobs
Anna Nalevanko, Institute for Transportation Research and Education (ITRE)
North Carolina State University

GIS as a Flexroute Planning Tool
Will Davis, Santee Wateree, RTA, Sumter, SC.

8. Concurrent Session III: GIS Applications in Customer Information

Moderator: Phil Winters, CUTR

Using GIS and the Internet to Provide Interactive Transit Customer Notification
Brian Smith, University of Virginia

D-DOT Automated Travel Information Management System (ATIMS)
Glenn Robinson, Detroit Department of Transportation (D-DOT)

A Web-Based Bus Information System
Jong Sung Lee, Jeny Baumgatner, Tschangho John Kim, University of Illinois at Urbana-Champaign

5:00 PM Adjourn for the Day

Tuesday, May 18, 1999
7:00 AM  Registration
7:30 AM  Continental Breakfast
8:30 - 10:00 AM  Concurrent Sessions

9. Concurrent Session 1: Developing and Applying GIS Capabilities to Public Transportation III
   Moderator: Ike Ubaka, Florida Department of Transportation
   Considerations in the Design of a GIS-based Tool for Visualizing Land Use-Transportation Interactions
      Fang Zhao, Florida International University, Scott Burton, Marie York, John O'Brien, Florida Atlantic University/Florida International University, Joint Center for Urban Studies, Jo Penrose, Florida Department of Transportation
   Measuring Transportation Accessibility
      Richard Stasiak, Xuehao Chu, Steven Polzin, CUTR
   Building an ITS Using GIS
      Alan Bridwell, Johnson City Metropolitan Planning Organization
      Glenn Berry, Geo Decisions, Inc.
   An Assessment of Desktop GIS Tools for Transit: Successes and Lessons Learned in San Diego
      Linda Culp, Jeff Martin, San Diego Association of Governments

10. Concurrent Session II: GIS Applications in Rail Transit Station Area Development
    Moderator: Ronald Sheck, Transit Solutions
    Transit Station Area Land Use/Site Assessment with Multiple Criteria: An Integrated GIS-Expert Systems Prototype
       Reza Banai, University of Memphis
    Using GIS for Rail Transit Station Area Planning and Development in Florida
       Ronald Sheck, Transit Solutions
    GIS Applications in Rail Station Area Planning
       Louis Millan, New Jersey Transit Planning
    Using GIS to Plan for Transit Oriented Development in Maryland
       Stuart Sirota, Parsons Brinckerhoff Quade and Douglas

10:00 - 10:30 AM  Refreshment Break in Exhibit Hall
10:30 - 12:00 PM  Concurrent Sessions

11. Concurrent Session I: GIS Applications in Service Planning
   Moderator: Linda Culp, San Diego Association of Governments

   Using GIS to Evaluate Multimodal Travel Patterns at Dallas Area Rapid Transit
   Susan Bregman, Kristin Santangelo, Multisystems, Inc.
   Gary Hufstedler, Dallas Area Rapid Transit

   Planning and Analyzing Transit Networks: An Integrated Approach Regarding
   Requirements of Passengers and Operators
   Markus Friedrich, PTV System

   Using GIS for Transit Service Planning
   James Wensley, James Marks, Multisystems, Inc.

   Using GIS to Enhance Transit Service Planning
   Brad Thompson, Pace Suburban Bus

12. Concurrent Session II: Melting GIS into Transit Planning, GIS Ingredients
    for Public Transit (Workshop Session)
    Moderator: Shirley Hsiao, OCTA

    Passenger counting, scheduling and run cutting, passenger information systems, bus
    stop maintenance, passenger on time destination study, transit accessibility analysis,
    transit routing design and resource allocation

12:00 - 1:00 PM  Lunch

1:30 - 3:00 PM  Concurrent Sessions

13. Concurrent Session I: Access to Jobs
    Moderator: Beverly Ward, CUTR

    A Transit Access Analysis of Temporary Assistance for Needy Families (TANF)
    Recipients in the City of Portland, Oregon
    Thomas Sanchez, Portland State University

    GIS Application in Evaluating Access to Day Care and Employment
    Martin Catala, Jennifer Hardin, CUTR

    Spatial Analysis as Related to Welfare-to-Work Planning
    Steve Smith, Trapeze Software, Inc.

    Applying GIS to Welfare-to-Work: A Summary of Best Practices
    David Koses, Kristin Santangelo, Russel Thatcher, Multisystems, Inc.
14. Concurrent Session II: Data, Data, Data
   Moderator: Larry Pham, APTA

Census and Journey to Work Data
   Celia Boertlein, US Census Bureau

Nationwide Personal Travel Survey/American Travel Survey
   Susan Liss, Federal Highway Administration

Data
   John Moeller, NSDI

Transit Networks
   Larry Harman, L. J. Harman Consulting

3:00 - 3:15 PM       Refreshment Break in Exhibit Hall

3:15 - 5:00 PM       15. General Session - Wrap Up, State of the Practice
   Moderator: Steve Polzin, CUTR

Data Quality, Data Sharing
   Bruce Spear, Bureau of Transportation Statistics

GIS Tools
   Lyna Wiggins, Rutgers University

State of the Practice
   Larry Harman, L. J. Harman Consulting

Organizational Issues
   John Attanucci, Multisystems, Inc.

FTA Reflections
   Walter Kulyk

5:00 PM              Adjourn