Signal Timing Manual
Subcommittee

TRB Signal Systems Committee Summer Meeting
July 10, 2005
Las Vegas, NV
Meeting Agenda

- Introductions (15 min)
- Overview of previous and ongoing activities (15 min)
- Discuss potential roles of the Subcommittee (40 min)
- Identify potential Liaisons to various Committees (15 min)
- Conclusions (15 min)
Previous and Ongoing Activities

- 2003 Summer Workshop in Portland
  - Isolated Design, Operations, and Timing

- 2004 Summer Workshop in Toronto
  - Coordinated Signal Timing Practices

- 2005 TRB Annual Meeting Workshop on Best Practices

- Submittal of TMC Pooled Fund Study

- Survey Questions
  - Relationship to timing and design
  - State Laws related to Clearance Intervals

- Parallels to the Freeway Operations Handbook and HCM
- Develop a resource for professionals involved in traffic signal timing that:
  - integrates consideration of planning, design, operations, and maintenance
  - considers the needs of technicians, engineers, and planners
  - provides leadership in traffic signal timing to improve quality.
NCHRP Support of Other Manuals

- Highway Capacity Manual has a $16,000,000 10-year plan
  - NCHRP recently completed an HCM Applications Guide for $400,000

- Highway Safety Manual has a $2,000,000 plan
  - Upcoming $600,000 effort for HSM creation
Subcommittee Objectives/Potential Tasks

- Develop interface between TSSC and:
  - ITE, NTCIP, AASHTO, TRB, HCQS

- Suggests that TSSC have members on the FHWA Peer Review Panel for:
  - FHWA Roadmap

- Identification of a Vision for a Signal Timing Manual Research that fills the
  - grows into a HCM-like Committee Product
  - continues as a FHWA sponsored effort
Action Plan

1. Formally suggest that TSSC be part of the FHWA panel in developing “Appropriate Practice”

2. Establish a vision of the Research Plan
   - 3-minute elevator speech related to the Research Plan
   - What are the problems we are trying to address?

3. Take over Chapter 16 of the Highway Capacity Manual 😊
   - Consider issues associated with averages and timing settings
Next Steps

- Develop a Research Program that communicates the vision for improving Practice