Traffic Control Devices
Pooled Fund Study

Co-Chairs:
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Celebrating
10 YEARS!!
Purpose

To assemble a consortium composed of regional, State, local entities, appropriate organizations and the FHWA to:

1) establish a systematic procedure to select, test, and evaluate approaches to novel TCD concepts as well as incorporation of results into the MUTCD;

2) select novel TCD approaches to test and evaluate;

3) determine methods of evaluation for novel TCD approaches;

4) initiate and monitor projects intended to address evaluation of the novel TCDs;

5) disseminate results; and

6) assist MUTCD incorporation and implementation of results.
TCD PFS Members

- **State DOTs**
  - California DOT
  - Florida DOT
  - Georgia DOT
  - Iowa DOT
  - Illinois DOT
  - Kansas DOT (new)
  - Maryland DOT
  - Mississippi DOT
  - Missouri DOT
  - Nebraska DOT
  - New Hampshire DOT
  - New Jersey DOT
  - Nevada DOT
  - New York DOT
  - North Carolina DOT
  - Oregon DOT
  - Pennsylvania DOT
  - South Carolina DOT
  - Texas DOT
  - Wisconsin DOT

- **FHWA**
  - Office of Operations
  - Office of Safety
  - Eastern Federal Lands

- **Local Representation**
  - Los Angeles DOT
  - Broward County DOT (Lee Billingsley, retired)

- **Organizations**
  - American Traffic Safety Services Association (ATSSA)
Completed Projects

- Pavement Markings for Speed Reduction
- Colors for Transponder-Controlled Tollbooth Lanes
- Navigation Signing for Roundabouts
- Pedestrian Countdown vs. Flashing Don’t Walk
- Evaluation of Selected Symbol Signs
- Diagrammatic Freeway Guide Sign Design
- Lane Restriction Marking and Signing for Double-Lane Roundabouts
- Alternative Flashing Patterns for Beacons at Unsignalized Pedestrian Crossings
- Analysis of Enlarged Pedestrian Signal Heads
- Combined Lane Use and Destination Signs
- State-of-Practice for Freeway Guide Sign Design
- Evaluation of International Symbol Sign Designs
- Evaluation of Additional Symbol Signs (recently completed)
- Business Logo Signing (recently completed)
Current and Near-Term Project Topics

Current
• Truncated Arrow-per-Lane Guide Signs

To Be Contracted
• Pedestrian Countdown Signals without Flashing Hand
• Sign Images as Pavement Markings
• Incident Management Signs

Under Discussion
• Guide Sign Design
• ENTERPRISE Pooled Fund Study Human Factors Study Collaboration
• Lane Line Markings in Advance of Lane Reduction Transitions
Truncated Arrow Per Lane Guide Signs

Purpose

- Evaluate driver comprehension of the MUTCD standard Arrow-per-Lane guide signs compared to various alternatives of sign layouts including the Truncated Arrow-per-Lane design and other state practices. It is intended that the results will be used to make recommendations for potential sign layouts to be used where option lanes exist on freeways or expressways.
Evaluation of Selected Signs, Phase III

Purpose

- Determine comprehension and legibility of candidate signs for:
  - Truck Warning
  - Alternate Merge
  - Bicycle
  - Toll Collection
  - Weaving
  - RR Crossing
  - Ped Signs
  - Truck Interactions in Roundabouts
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Purpose

- Determine impacts of various designs for logo panels on specific service sign panels.
  - 4 vs 6 vs 9
  - Logo vs Text
  - Identification vs Memory
Potential Projects Considered

- Guide Sign Design – results from ATSSA Sign Committee
- Spacing of Guide Signs of Freeways and Expressways
- Highway Sign Font Analysis
- Number of Destination Names on Guide Signs
- Lane Line Markings in Advance of Lane Reduction Transitions
Questions?