Traffic Control Devices
Pooled Fund Study

Co-Chairs:
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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 (26)**
  - Alabama DOT
  - California DOT
  - Colorado DOT
  - Delaware DOT
  - Florida DOT
  - Georgia DOT
  - Illinois DOT
  - Iowa DOT
  - Kansas DOT
  - Maryland DOT
  - Massachusetts DOT
  - Minnesota DOT
  - Mississippi DOT
  - Missouri DOT
  - Montana 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
    - (John Fisher, retired)
  - Broward County DOT
    - (Lee Billingsley, retired)

- **Organizations**
  - ATSSA
  - IBTTA
Current Projects

- Evaluation of Selected Symbol Signs (Phase IV)
- Status: Data Collection Complete, Currently Being Analyzed
  - Toll Plaza Electronic Toll Interoperability
  - Recreational and Cultural Interest Symbols
  - Lane Reduction/Merging Signs
  - Bicycle Detour
  - Flashing Yellow Arrow
  - Truck Symbols
  - Alternative Fuels
  - Oncoming Traffic Has Extended Green
  - Regulatory Signs for Midblock Crossing
  - Ferry (Passenger)
  - Regulatory Sign for Bicycle/Vehicle Separation
  - Vehicle Prohibition (ATV, Snowmobiles, Mopeds)
  - Rail/Flangeway Bicycle Warning
  - Blind Hill Warning
Alternative Fuels
Alternative Fuels

- Methanol (M)
- Hydrogen (H₂)
- Biodiesel (BD)
- Compressed Natural Gas (CNG)
- Hydrogen (H₂)
- LNG
- Ethanol
- Methanol
- Hydrogen
- Biodiesel
Bicycle Passing
Bicycle Passing

PASS
3 FT MIN

MOTORISTS GIVE 3 FT TO

MOTORISTS SHALL GIVE 3 FT CLEARANCE

SHARE THE ROAD

3 FT CAR

3 ft

3 FEET MINIMUM
Pedestrian Crossing
Pedestrian Crossing

- **CROSSWALK**
  - **STOP ON RED**
  - **YIELD ON FLASHING RED AFTER STOP**

- **CROSSWALK**
  - **STOP ON RED**

- **CROSSWALK**
  - **STOP ON RED**
  - **PROCEED ON FLASHING RED IF CLEAR**
Temporary Traffic Control Bicycle Access
Temporary Traffic Control Bicycle Access
Ferry
Ferry
Flashing Yellow Arrow
Flashing Yellow Arrow

- Left Turn
- Yield
- On Flashing Yellow Arrow
Hill Blocks View
Hill Blocks View
Lane Reduction
Lane Reduction
Vehicle Prohibition
Vehicle Prohibition
Toll Interoperability
Toll Interoperability
Rail Flangeway Gap Bicycle Warning
Rail Flangeway Gap Bicycle Warning

- Tracks in Pavement
- Bicycles Use Caution
- Bicycles Cross Tracks with Care
Recreational
Upcoming Projects

- Lane Reduction / Lane Drop Signing and Marking

- Guide Signing for U-Turn Intersections

- Enhancing Conspicuity for Standard Signs and Retroreflectivity Strips on Posts
Have Questions? Want to Join?

- Contact Tim Crouch (tim.crouch@dot.iowa.gov)
- Contact Michelle Arnold at FHWA (michelle.arnold@dot.gov)