

| Issue | Assignee | C4C | Other TC Coord | Status |
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| bicycle signal phasing and turn phasing | Baxter/Miller/Koonce | | STC | ACTIVE: Review FHWA IA-16 for Bicycle Signal Faces (BSF) protected phase condition versus NCUTCD proposal. Review many current active installations in the US using BSF with conflicting movements. Develop Standards, Guidance, Options to guide decision making for separation of vehicle/bike movements at signalized intersections. |
| bike signal warrant | Miller/Baxter | | STC | ACTIVE: research publications regarding warrants for bike signals (See Cal DOT MUTCD). Develop Standards, Guidance and Options for bike signal warrants |
| protected intersection elements | Rabito/Baxter | | STC | ACTIVE: Review FHWA Separated Bike Lane Guide (SBL) and MassDOT Guide and develop Standards, Guidance and Options for bike related TCD's applicable to SBL's. |
| Definitions in Part 1 | Schultheiss | | E | ACTIVE. Terms are used in MUTCD, UVC, elsewhere. Different terms used by advocates. DeSantis started with definitions in new FHWA SBL Guide. June 2017: concurrent with AASHTO Bike Guide development, Schultheiss drafting proposal for review Fall 2017 & Edit Committee review Jan 2018. |
| Bike Crossings/Extensions of SBL's and Buffered Bike Lane's across major driveways or intersections | DeSantis | | M | ACTIVE-Buffered bike lane proposal approved 6/28/2014 did not fully address markings at locations where vehicles are permitted to cross the buffer and bike lane. Modify Buffered Bike lane Proposal to include Standards, Guidance and Options for marking extensions of SBL and buffered bike lanes across driveways and side streets as depicted in SBL Guides. |
| Bicyclist Overtaking (3-Foot Passing) Signs | Miller / Schultheiss | | W | ACTIVE. Several states have developed signs in conjunction with 3-foot passing laws. As more states add laws, more impetus for an effective standard sign. Some controversy regarding sign message, non-standard symbols, unintended messages. Some guidance included in new ITE Traffic Control Devices Handbook. Florida State Univ study in 2013. Jan 2015: RWSTC identified as a priority topic. June 2017: waiting for results from FHWA TCD PFS also need to check on UVC status |

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| Signs and Markings for Bicycles at Rail / Light Rail Crossings | Cynecki | | R | ACTIVE. RRLRTC proposal to sponsors fall 2010, but withdrawn pending revision. June 2015: RPS sent to FHWA for pooled fund study on bicyclist / tracks warning sign. PFS results should be available late spring 2017. June 2017: waiting for findings FHWA TCD PFS |
| Bicycle Repair Signing | Moeur / Jackson / Van Houten | | G | ACTIVE. June 2017: Western Michigan Univ completed experimental testing spring 2017. GMITC vote <2/3 majority due to concern over setting precedence for installation of repair signs for other modes. Tabled to form joint Task Force (TF) with GMI to address issue. Moeur, Cynecki and Jackson BTC TF members, Heather Lott, MnDOT, Ernie Huckabee potential members. List of GMI volunteers will be forwarded to BTC by GMI |
| Change Lanes to Pass Plaque | Jackson / Moeur/????? | | W | ACTIVE. Original R4-11 concept in 2005 had "Change Lanes To Pass" plaque, but action tabled to focus on R4-11 approval. Agencies are using this plaque with R4-11s - national standardization might be beneficial. used on multi-lane roadway only. Proposal to be developed in BTC with RWSTC input. June 2017-Boston RTE has used this sign. Craig to follow up on status of City report. NEED BTC VOLUNTEER |
| Bikeways at T Intersections | Koonce | | W,M,S | ACTIVE. Bicyclists on thru leg have few conflicts with other movements - looking at ways to accommodate. Conflicts with crossing pedestrians can be an issue. Koonce to draft Research Problem Statement to analyze. June 2017 no RPS yet |
| Community Wayfinding Signs and Bicyclists | Schultheiss/De Bruyn | | G | ACTIVE. Current MUTCD Section 2D.50 doesn't address wayfinding for bicyclists or on bikeways. Chapter 9B provides good info on bikeway guide sign design, but no details on wayfinding. Agencies are using a wide variety of designs and colors for bikeway wayfinding. Exact conformance to 9C isn't always seen, but as long as info is presented in legible & uniform manner, purpose is fulfilled. Changes to 2D.50 and/or Chapter 2B may be needed. Schultheiss to develop draft proposal. |

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| Advance Placement of Bicycle Warning Signs | Moer | | W | ACTIVE. Warning signs generally use Table 2C-4 for advance placement, but no counterpart for warning signs intended for bicyclists. Also no uniform criteria for assigning signs as bike-only vs for other vehicles. Concerns re 2C-4 advance placement distance vs urban conditions. Limited design guidance. Proposal to be developed in BTC w/RWSTC input. |
| Connected / Automated Vehicles and Bicycle Traffic Control | Carlson / Dingess / Bagdade | | Research | Fall 2016: NCUTCD Research Committee identified CV/AV as critical issue of TCD / MUTCD impact. Jan 2017: BTC provided list of bicycle-related issues to be considered by task force. Awaiting joint TF action. |
| Revisions to Uniform Vehicle Code Chapter 11 (Rules of the Road) | Allen | | E | ACTIVE. NCUTLO owned and developed UVC, but became inactive in 2002 (after publishing 2000 UVC). UVC "orphaned" after this date. Other transportation, legal, enforcement orgs contacted re maintaining the UVC - no interest. NCUTCD agreed to update Chap 11 (Rules of Road) - other UVC chapters still "orphaned". Revisions to bicycle sections assigned to BTC. Preliminary revisions drafted in 2012 - comments received 2013. Topic was placed on hold 2013-2014 to focus on proposed content for next MUTCD - reactivated fall 2014. Use of e-mail list to develop UVC content not as effective as anticipated. |
| Bicycle Parking Plaque | Petritsch / DeBruyn | | G | ACTIVE. Outgrowth of Park and Ride sign issue. GMITC asked BTC to develop plaque for use under D4-2 signs to make travelers aware of bicycle parking. |
| Technical Guidance on Shared Lane Markings (Phase 2a) | DeSantis/Snyder | Y | M | PENDING Detailed technical guidance in ITE Traffic Control Devices Handbook. Dec 2013: FHWA added material in Part 9 draft. Proposal drafted by BTC in mid-2016 but SLM figures removed due to sponsor feedback and status of pending research. BTC still sees need for added figures - will develop based on research results (such as green bkgd on SLM experiments) and added input. June 2017-Snyder and DeSantis to develop sketches depicting SLM's in RTOL'S |

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| Technical Guidance on Shared Lane Markings (Phase 2b) | Gary/Roberts/Synder | | M | PENDING. June 2017- Roberts to gather research on current other Guidance and actual experience. Check FHWA RTE and interpretations. Report back at Jan 2018 mtg |
| ON ROAD Plaque (Replacing "Share The Road") | Schultheiss | | W | PENDING. Numerous reported concerns and misinterpretations of "Share The Road" plaques. Some jurisdictions (Delaware, others) have discontinued W16-1P use. Intent is to "retire" W16-1P and replace with new "ON ROAD" plaque for same application. Use "ON ROAD" in lieu of "IN LANE" or "ON SHOULDER" for greater scope of application and to not send unintended messages. Draft proposal from Schultheiss April 2016. Rejected by RWSTC June 2016 on basis that proposed legend has not been evaluated. Research problem statement pending. TCD Pooled Fund Study did NOT approve for testing FY 2017. |
| Sidepath Intersection Conflicts | Allen, Van Houten, Fox/Josh | | M, S, W | PENDING. Some research on active devices at path/roadway intersections. June 2015: Identified as research need - Miller drafting RPS for Research Committee. Michigan DOT research on differential criteria (path vs. lane, speed/intersections/etc.) for sidepaths. June 2017 Review Michigan DOT research ETA 9/2017. |
| Markings for Bicycle Guidance | Curtis / Engelhart | Y | M | PENDING. Experimental results from Columbia MO presented at June 2016 meeting. Develop figures & guidelines in future? June 2017 check status with Curtis/Engelhart |
| Bicycle Signal Lane Control Signs | DeSantis | | W, S | PENDING. Originated out of 2015 TCD Pooled Fund Study (initiated by FHWA). PFS report reviewed at June 2016 meeting. Concerns identified by BTC and STC. Draft joint research problem statement from BTC & STC pending. June 2017-Check with monica sueter |

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| Colored Bike Lanes | | Y | M | PENDING. FHWA issued Interim Approval April 2011. Markings TC is taking lead on all pavement colors - BTC will be consulted on green. Draft FHWA content on colored pavement issued Dec 2013 - MTC is reviewing with BTC input. June 2014: no consensus on scope of use of green - will let current FHWA Interim Approval address until rulemaking. Awaiting NPA content. June 2015: ATSSA task force may recommend changes to marking color box. Experimentation underway on color under other markings (shared lane marking, etc.) June 2017 status-IA-18 assumes request for IA-14 has been approved for municipality |
| Bike Lane Marking at Intersection Approaches | Petritsch | | M | ON INDEFINITE HOLD. Important for MUTCD & other references. 3 different treatments (solid, dotted, dropped) - which one is best? Little actual data - just preference / practice. Research proposal included in FY 2013 SCOR ballot, but not funded. Unclear if NCHRP 15-63 will address. |
| Bike Lanes at Back-in Angle Parking | Kingsbury | | M, W | ON INDEFINITE HOLD. Preliminary recommendations in ITE Traffic Control Devices Handbook. Dec 2013: Placeholder in Part 9 draft - FHWA requested content from BTC. Insufficient data to justify or develop MUTCD content. Awaiting NPA content - expect to be addressed in design guides. |
| Bike / Bus / RT lanes | DeRobertis | | M, W | ON INDEFINITE HOLD. Used in several localities. Info available on Allen's site (bikexpert.com). Need to collect current research / data and develop proposal. June 2014: red color pavement bus lane proposal approved by NCUTCD. Awaiting NPA content. |
| Revised Bicycle Symbol | Moeur | | W, M | ON INDEFINITE HOLD. Requested by outside "working group" led by Meeker. Proposal to use just one symbol for all bicycle signs, markings, and other devices. Research results submitted - questions as to whether there is compelling justification for |
| Bicycle Route Marker Redesign | Moeur | | G | COMPLETE. Approved by Council and sent to FHWA spring 2010. |
| Signs for Bicyclists on Freeways | Moeur | | W | COMPLETE. Approved by Council and sent to FHWA spring 2010. |
| "Except Bicycles" Regulatory Plaque | Mackay | Y | W | COMPLETE. Approved by Council and sent to FHWA fall 2010. |

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| Revisit Part 9 Sign Sizes | Moeur | | W | COMPLETE. 2009 MUTCD addressed most concerns. No action needed. |
| Revisit 9C.04 (Bike Lanes) | DeSantis | | M | COMPLETE. Approved by Council and sent to FHWA summer 2011. |
| Selective Exclusion Signs (revise 2B.39) | Petritsch | | W | COMPLETE. Approved by Council and sent to FHWA summer 2011. |
| Revised M1-8 sign (based on M1-9) | Moeur | | G | COMPLETE. Approved by Council and sent to FHWA summer 2011. |
| Bicycle Markings at Interchanges | DeRobertis / Ciccarelli | | | COMPLETE (by others). ITE Informational Report based on ITE Ped/Bike Council workshops to be published soon. |
| Shoulder Markings at Intersections | Ciccarelli | | M | COMPLETE. Technical guidance included in new ITE Traffic Control Devices Handbook. |
| Review of Part 9 text | Moeur (from DeSantis) | | | Approved by Council and sent to FHWA summer 2012. |
| STOP and YIELD Signs in Part 9 | | | W | COMPLETE. BTC OK with current content - no change. |
| Work Zone Figures for Bikes | Fox | | T,W | TTCTC was leader on task with BTC support. Approved by Council and sent to FHWA summer 2013. |
| MUTCD Strategic Plan | Moeur | | All | COMPLETE. Plan posted at http://mutcd.tamu.edu . Final approval by Council Jan 2014. |
| "Bike Boxes" / Advance Stop Lines | Schultheiss, Van Houten | Y | M | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. Identified as potential candidate for Interim Approval by BTC. |
| Bike Lane Buffers | DeSantis | | M | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Bicycle Intersection Lane Control Signs | DeSantis | Y | W | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Contraflow Bicycle Lanes | Miller | | M | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Except Bicycles Warning Plaque | DeSantis | Y | W | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Non-Numbered Bicycle Route Signing | Moeur | | G | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Bicycle Signals | Schultheiss | Y | S | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. IA-16 issued by FHWA. |
| Two-Stage Turn Queue Box | Allen/DeSantis | Y | W, G, M | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. Identified as potential candidate for Interim Approval by BTC. |
| Turning Vehicles Yield To Bicycles Sign | Schultheiss | Y | W | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. Identified as potential candidate for Interim Approval by BTC. |

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| Wayfinding Signs for Shared-Use Paths | DeBruyn, Curtis | Y | G | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Extensions of Bicycle Lanes Through Intersections | Lang | Y | M | COMPLETE. Approved by NCUTCD Council June 2014 - sent to FHWA July 2014. |
| Signing for Bicycle Bypasses and Jughandles | | Y | G | COMPLETE. Dec 2013: Placeholder in Part 9 draft. June 2014: BTC consensus is that there aren't enough of these in US to warrant inclusion in MUTCD - can be handled using existing design guidance. |
| Guide Signs and Auxiliaries for Bicycle Routes | Moeur / Petritsch | | G | COMPLETE. Approved by NCUTCD Council January 2016. |
| Bicycle General Service Signing | Jackson / Moeur | | G | COMPLETE. Approved by NCUTCD Council January 2016. |
| Bike Left Turn Lane at Path / Roadway Intersections | DeRobertis | | M | COMPLETE. Jan 2016: consensus is not to include in MUTCD. |
| Left Side BLs on 1-way Streets | | | | COMPLETE. Jan 2016: consensus is that existing MUTCD content is sufficient. Addressed in other references. |
| Bicycles Use Caution Plaque | | Y | W | COMPLETE. Jan 2016: recommendation to FHWA to not include in MUTCD. |
| Orange Markings for Bicycle Facilities in TTC Zones | | | M,T | COMPLETE. Outgrowth of work zone issue. Orange markings for WZs under experiment in WI per FHWA, but no current experiments involving bikeways. Little interest from other TCs. No current champion. Dropped from action list June 2016. |
| Technical Guidance on Shared Lane Markings (Phase 1) | DeSantis | Y | M | COMPLETE. Approved by Council January 2017. Some items (figures) removed and deferred until additional research completed. |
| Bike Lane Ends and Bicycle Merge Warning Signs | DeSantis | | W, M | COMPLETE. Approved by NCUTCD Council January 2017. |
| Interim Approval IA-18 (Advance Stop Line) and Signal Requirements | Suter, DeSantis | | S | COMPLETE. IA-18 on "bike boxes" issued fall 2016. NCUTCD content silent on signals, but IA requires countdown signals at multi-lane BBs. Signals TC concerned re signal operations impact of IA. Joint BTC/STC task. |
| Raised Devices in Bikeways (includes physical separation by devices) | DeSantis | Y | M | COMPLETE. Approved by Council and sent to FHWA Fall 2017. |
| References to "Speed" in MUTCD | Kingsbury | | E | COMPLETE. Approved by Council and sent to FHWA Fall 2017. |
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| | | | Other technical committees: | E: Edit Committee |
| | | | Other technical committees: | G: Guide & Information Sign Technical Committee |
| | | | | M: Markings Technical Committee |
| | | | | R: Railroad & Light Rail Technical Committee |
| | | | | S: Signals Technical Committee |
| | | | | T: Temporary Traffic Control Technical Committee |
| | | | | W: Regulatory & Warning Sign Technical Committee |