

Meeting Notes
Marking Technical Committee
National Committee on Uniform Traffic Control Devices
June 22-23, 2005 – Buffalo, New York

- I. Call to order
 - A. Self introductions
 - B. Distribution of attendance rosters (each day)
 - C. Committee membership information
- II. Committee business
 - A. Approval of January 2005 minutes
 - B. Research committee liaison (Dave Woodin) – No Report
- III. Summary of FHWA-Technical Chairs meeting
- IV. Act on sponsor ballots (see MTC website for sponsor comments)
 - A. Detectable Warnings (i.e. truncated domes) – Duane Thomas
Revised text approved. Motion by D. Thomas, Second by D. Woodin, passed unanimously.
- V. MTC task forces (Note: (xx) reference items presented to MTC by S. Wainwright, FHWA, Jan.'05)
 - A. Roundabouts (28) – Lee Rodegerfts reports that Markings Chapter complete, R/W signs in good shape. G/MI could be drafted for Jan. '06. Markings TC holding for signs.
 - B. Older Driver – John Bemelen report postponed until Jan.'06, pending J. Bemelin review with M. Bodin.
 - C. Rumble Strips – Dave Jones reported on Michigan practice (parallel lines). MTC recommends research prior to taking any action.
 - D. Pvmt. Mkg. Taper – No report
 - E. Ped Acc, Det Wrng (1) – Sponsor comments addressed.
 - F. Urban, Prvt Prop (15) – MTC determined hydrant markers are local fire issue, not relevant to MUTCD.

- G. White Mkg Lane Change – Neil Hodson (chair), Ellison, Marcuson, Wilshire, Woodin
- H. Delineation (35) – Tim Taylor Chapter may need significant rewrite, not likely to be accomplished for Jan. '06. Low hanging fruit includes spacing table, height (est. guardrail) and delineators as identifying markers. Task force to draft memo to SCOTE of issues warranting research.
- I. Min. Reflectivity – No report
- J. Edit Committee – No report
- K. LT Roundabout Mkg – Hans Jensen. Proposed arrow markings discussed. Item tabled until Jan. '06.
- L. Object Markers – No Report
- M. End Roadway Hght – Daniel Centa (chair), Dyar
- N. Yield Line (19, 20,21) – Duane Thomas (chair) - language proposed to respond to FHWA comments. Motion by D. Thomas, Second S. Thorson, approved.
- O. Horizon. Sign (23,25,26) – Scott Thorson (chair), Language for Sect. 3B.19 discussed. Motion by S. Thorson, second by D. Woodin, approved.
- P. Edge Line Groove – James Ellison (chair), Hawkins
- Q. U Turn Arrow – Hans Jenson (chair) proposed arrow review. Recommend not adding to MUTCD, but including in SHS.
- R. Toll Booth Mkgs (5) – Darryl Hockstra (chair), Hodson: language to be developed for discussion Jan. '06.
- S. Xwalk Patterns (22) – William Lambert (chair), Kalchbrenner Tabled pending review of NCHRP Synthesis.
- T. LED String Mkgs – No report
- U. Edge Line RPMs – No report
- V. Solid Yellow Line (Ramp) – M. Bodin presented recommendation to being yellow at gore point. D. Hockstra moved to leave as is, second by S. MacDonald, approved unanimously.
- W. NPZ @ STOP & SG – Scott Thorson (chair), Navone
- X. Red RPMs – No report

- Y. Merge Con Mkg. – Roger Dyar (chair)
 - Z. Joint Pedestrian – No report.
 - AA. Ped Barrier – William Wilshire (chair), Aiomloo, Hockstra, Shama-Petro, Woodin, Windley, Barlow, Bentzen
 - BB. 2 (Not Assigned Yet) – Task force to review draft synthesis for Jan.'06.
 - CC. 3 – Jay Shama-Petro (chair) relative to 3A.03, C. Robison motioned to leave as is, second by J. Kalchbrenner, passed.
 - DD. 4,9,10,11 relative to lane drop markings.
 - EE. David Woodin (chair) 6. Single yellow centerline deferred to Jan. '06. 7. D. Woodin to draft supports statement relative to cross sign change double yellow centerline. 8. D. Woodin to draft language to make turn arrows w/2-way left turn lanes Guidance, rather than option.
 - FF. James Sproul (chair) 12. no change; 13. Add arrow to Fig. 38-12 as option; 14. no change
 - GG. Jeffrey Tidaback (chair) 16. no change; 17. no change; 18. concur with marking rpm color a Standard.
 - HH. 24 – Wilson (chair) no chang, review synthesis
 - II. 27 – Steven Bolt (chair) tabled.
 - JJ. 29, 30, 31 – Jim Kalchbrenner (chair) 29. no change; 30. J. Kalchbrenner to add reference note to figures for edge line warrants; 31. no change
 - KK. 32, 33, 34 – David McKee (chair). 32. D. Woodin to include crosshatching with #1; 33. no change; 34. G. Hawkins to change Fig. 3B-13
 - LL. 36 – Darryl Hockstra (chair) tabled, pending research.
 - MM. 37, 38 – Daniel Centa (chair) 37. D. Centa to draft language for Jan. '06; 38. B. Lambert to determine if necessary.
 - NN. 39 – James Sproul (chiar): J. Sproul and G. Hawkins to address for Jan. '06.
 - OO. Bicycle markings – Bicycles Technical Committee representative
- VI. Old Task Forces
- A. Lane drop markings and extensions – John Bemelen: language to be prepared for Jan. '06.

- B. Pavement Marking Tapers – Steve Bolt
 - C. Private Property Marking Issues – Bill Wilshire: item postponed pending FHWA direction
 - D. Joint Pedestrian task force – Dave Woodin
- VII New Business
- A. Letter form for 2004 standard marking alphabet – Hans Jensen: H. Jensen presented a graphical overlay of the revised alphabet (attached).
 - B. FHWA request for input (see MTC website)
- VIII. Presentations
- A. Wednesday (late afternoon)
 - 1. Borys Schafran, Degussa – “Pathfinder” safety markings developed to improved wet reflectivity, approved in Germany, not currently accepted by FHWA. G. Hawkins and D. Jones to draft language for Jan. '06.
 - 2. Brad MacMaster, HIL-Tech Ltd – Internally illuminated LED marking, already allowed per FHWA. May have application for STOP lines and/or RR crossings.
 - B. Thursday
 - 1. James Jenness, Westat, Inc. – (Presentation attached) relative to FHWA detectable warnings visibility research. Does not warrant change to proposed sponsor language.
 - 2. Bruce Friedman, Kimley-Horn – NCHRP synthesis project NCHRP-20-5, Synthesis Topic 36-06 draft report available. B. Friedman requests comments by 7-15-05. Task Force of Steve MacDonald, Dan Centa, Dave Woodin, Jim Ellison, Carlton Robison, Jim Kalchbrenner to review for Jan. '06.
- IX. FHWA MUTCD marking issues – Scott Wainwright (specifics will be identified at the meeting): see summary above.
- X. Other items: No new items
- A. FHWA letters
 - B. FHWA
 - 1. Operations – Scott Wainwright or Hari Kalla

3. Research – Ken Opiela

C. Related organizations – No reports.

1. ASTM
2. TRB
3. ATSSA
4. NTPEP

XI. Meeting wrap-up

- A. Review minutes of current meeting
- B. Prepare agenda for next meeting
- C. Adjourn