

**Meeting Minutes**  
**Marking Technical Committee**  
**National Committee on Uniform Traffic Control Devices**  
**January 17-19, 2007 – Arlington, VA**

- I. Call to order (Dave Woodin)
  - A. Self introductions
  - B. Distribution of attendance rosters (each day)
  - C. Committee membership information
- II. Committee business
  - A. Approval of June 2007 minutes (see MTC website): Moved by S. Thorson, 2<sup>nd</sup> by J. Bemelen, approved as amended (spelling) unanimously
  - B. Summary of FHWA-Technical Chairs meeting (D. Woodin):
    - 1. 2008 Edition will likely be 2009 release. Will be “abbreviated” edition, meaning that amendments will be prioritized and FHWA will include only those that are adequately addressed.
    - 2. Tom Hicks to draft AASHTO response relative to interim approvals, specifically requesting broader application prior to granting interim approvals (citing RV Friendly and additional (more than six per category) logos as examples)
    - 3. B. Garrett looking for electronic files of language approved by National Committee at end of meeting on flash drives provided for each Technical Committee..
    - 4. Arlington Hilton reserved for January meeting through 2009. Forward any facility comments to B. Garrett.
  - C. Report from the Edit Committee (Tim Taylor)
    - 1. Discussion of the definition of “traffic control device” especially with regard to features such as rumble strips. Technical Committees are charged with reviewing their sections of the Manual with an eye toward identifying inconsistencies.
    - 2. Discussion of final rule relative to application to private roads. Technical Committees are charged with reviewing sections with regard to SHALL/SHOULD language as it applies to non-public roads.
  - D. Roundabout Task Force (Joel Marcuson)
    - 1. Decided that warrants for selecting roundabouts as an intersection treatment should not be in the Manual as they are not a “traffic control device”.
    - 2. Recommend referencing the FHWA Roundabout Guide in Part 1, forwarded to Edit Committee.
  - E. Human Factors Task Force (Phil Garvey)
    - 1. First meeting, determined objectives for subsequent meetings
- III. Act on sponsor ballots (see NCUTCD website for sponsor comments)
  - A. Safe Routes to School markings, enhanced crosswalks (Part 7C.03)(Jim Ellison)
    - 1. Discussion relative to sponsor comment that ballot language seemed to prevent the use of “more visible” markings for school crosswalks at signalized or stop controlled intersections. Ellison proposed language to

use a Support statement to explain where more visible markings might be beneficial.

- a. Motion/second by Ellison/Centa to approve revised language as presented
  - b. Motion/second to amend by Hawkins/Centa to remove Support statement, passed 15 for, 7 opposed, 0 abstentions
  - c. Motion/second by to amend by Ellison/Centa to remove language added to 7C.03 Option for sponsor ballot, passed 21 for, 1 opposed, 0 abstentions
  - d. Amended original motion (essentially deleting “For added visibility”) failed.
  - e. Revised language to be presented to Committee on Friday, January 19.
- B. Bike Markings (Part 3B.07)(Gene Hawkins)
1. Motion/second by Hawkins/Kallenberger to add sentence explaining that outside edgeline may be deleted when there is a marked bike lane. Passed by voice vote.
  2. Additional language accepted by Bicycle Technical Committee with friendly amendment to be included in language presented to Committee on Friday, January 19.
- C. Object markers and barricades moved to Part 2 (Gene Hawkins)
1. Motion/second by Hawkins/Woodin to leave language as sent to sponsors as there were no negative comments of note.
  2. G. Hawkins alerted R/W committee.
- IV. Presentations
1. David Woodin, NY DOT provided a copy of the NY DOT Supplement to the MUTCD relative to Roundabouts.
- V. Reports of MTC task forces
- A. Rumble strips and rumble stripes – Duane Thomas
1. Members: Duane Thomas (chair), J. Kalchbrenner, N. Hodson, D. Jones, S. Zeller, G. Thamer, D. Alsbroom, J. Shamay
  2. Report
    - a. Per FHWA (Wainwright), there would be interest in Part 3 language relative to transverse rumble strips as they are currently in Part 6 and have in place applications as permanent devices.
  3. Action items
    - a. D. Thomas to develop language to add definitions for transverse and longitudinal rumble strips, as well as separate language for each in Part 3.
    - b. Language to be consistent, as appropriate, with Part 6F.84.
    - c. Language to be sent to MTC members through the listserve for an electronic ballot prior to sending to sponsors. FHWA to receive language simultaneously for consideration for forthcoming NPA.
- B. Safe routes to schools – Jim Ellison
1. Members: Jim Ellison (chair), S. Vetter, R. Dyer, J. Tidabek, R. Airomloo, K. Kaufman, Z. Ougdah, G. Rowe, H. Jensen (new member)
  2. Report:

- a. Discussed School Zone Speed Limit markings to define limit of zone. There was no clear consensus.
  - 3. Action items:
    - a. Task force will focus on development of sponsor language, including whether appropriate marking is transverse line or word/symbol.
- C. Markings for electronic toll collection lanes – Scott Thorson
  - 1. Members: Scott Thorson (chair), B. Lambert, M. Bodin, D. Hockstra, S. McDonald, PD Kiser, J. Marcuson (new member)
  - 2. Report:
    - a. Discussion of Maryland experimentation with purple teardrop markings for exclusive electronic toll collection lanes. No identified consistent practice, especially with geometry of toll approaches. It was noted that permanent markings only apply where the electronic toll lanes are consistent and that many toll plazas have lanes that change by time of day, day of week, etc.
  - 3. Action items:
    - a. Task force on hold pending further direction from FHWA.
- D. Yellow green markings - Jim Kalchbrenner
  - 1. Members: Jim Kalchbrenner (chair), M. Suter, N. Hodson, J. Tidabek, H. Jensen, F. Peil
  - 2. Report:
    - a. Noted that FHWA has withdrawn approval for experimentation at school crosswalks as there as been no measurable advantage.
  - 3. Action items:
    - a. Motion/second by Kalchbrenner/Woodin to disband passed unanimously by voice vote.
- E. NCHRP Synthesis recommendations – Dave Woodin
  - 1. Members: Dave Woodin (chair), T. Taylor, S. Zeller, S. McDonald, D. Centa, P. Garvey, J. Kallenberger (new member), H. Jensen (new member)
  - 2. Report:
    - a. Minimal action.
  - 3. Action items:
    - a.
- F. Colored Pavements – R. Airomloo
  - 1. Members: Steve Bolt (chair), R. Airomloo, J. Bemelen, J. Marcuson, J. Sproul, J. Shamay (new member)
  - 2. Report:
    - a. Developed a number of applications for colored pavements, such as roadway in front of emergency vehicle access. Considering language for colored bike lanes (green per FHWA)
  - 3. Action items:
    - a. Develop language for sponsors for colored pavement for bike lanes for review at June 2007 meeting
- G. Older Drivers – Jon Bemelen, Tim Taylor
  - 1. Report:

- a. Dotted lines at entry/exit ramps discussed. Consensus to extend dotted lines between taper and channelizing line.
  - 2. Action items:
    - a. Bemelen to prepare language relative to auxiliary lane, especially with regard to length of lane to be considered “auxiliary” vs. “additional”.
- VI. New task forces
  - A. Should statement for crosswalk markings
    - 1. Members: B. Lambert (chair), J. Tidabek, R. Airomloo, J. Marcusson
    - 2. Charge:
      - a. Address question to listserv from Phoenix on 1/31
  - B. LED Markings
    - 1. Members: P.D. Kiser (chair), R. Airomloo, D. Jones, J. Marcusson, D. Woodin
    - 2. Charge:
      - a. Lead discussion at Jan. 07 meeting
      - b. Review NCHRP Synthesis 3813 report regarding applications of LED markings
    - 3. Consider addressing:
      - a. Current applications
      - b. Current MUTCD provisions?
      - c. Long term MUTCD applications
  - C. Transverse markings for speed reduction (Brian Katz study)
    - 1. Members: J. Kallenberger (chair), M. Manthey, S. Thorson, D. Woodin, D. Hockstra, J. Tidabek, B. Lambert
    - 2. Charge:
      - a. Review Katz study, draft language for sponsors for MTC meeting in June, 2007
  - D. Pavement Marking retroreflectivity
    - 1. Members: T. Taylor (chair), D. Thomas, J. Kallenberger, E. Hedman, P. Garvey, S. Vetter, S. McDonald, D. Centa, S. Zeller, J. Ellison, D. Jones
    - 2. Charge:
      - a. Be prepared to present sponsor language to address pavement marking retroreflectivity, pending sign retroreflectivity final rule.
      - b. Focus on soft issues (not specific retroreflectivity values), such as percent of time values must be met, how actual values are determined, etc.
- VII. Meeting wrap-up
  - A. Review minutes of current meeting
  - B. Prepare agenda for next meeting
  - C. Adjourn