

NCUTCD Bicycle Technical Committee
6/24/99

Gene Putnam Construction TC

M4-11, 11a, 11b signs

approved - unanimous

John Chapter 9 draft 6/24

Our comments go directly to sponsors, get their comments, then take recommendations to sponsors in Jan 2000. Register comments go back to FHWA.

Cherie Kittle Will post public comments on website.

RM Will monitor comments on website.

Comments

9a-1 alright

9A-2 CHANGE last sentence to first sentence standard, first two sentences become support

Change to "both roadways and shared-use paths." (delete highways)

9A.3a Change "open to " becomes "for"

9A.3c change to use AASHTO language and remove second sentence about longitudinal pavement markings. ADD "roadway or shoulder" to AASHTO language

9A3.d Delete definition - is not used elsewhere in chapter

9A3e Change language to be consistent with AASHTO definition

9A3f Change title to "signed bicycle route", then use AASHTO definition "has been designated by appropriate destinational and informational route markers with or without specific bike route markers"

9A4 Maintenance Change first sentence "All signs, signals and markings should be properly maintained....." - justification: signals added for proper signal head placement and detection of bicyclists. Add "signals" to second sentence too.

9A5 all right

9A6

9B.1 Use NPRM language - all right as is for first standard Make third paragraph first paragraph.

In support section, change 'Figure 9-1 to "Figure 9B-1" for consistency

9B.2 Use language of 6/23/99, with maximum height defined (to be consistent with drawing)

Change Guidance sign sizes language "shall be at minimum" those shown in Table 9B-1

Standard becomes for 9b-1 first sentence identical.. Second sentence "the sign sizes for shared use paths shall be at a minimum those shown in Figure 9B-1."

Third These sign sizes shall be used only for signs installed specifically for bicycle traffic and shall not be used in a location that would have any application to other vehicles." justification to preclude the use of any sign smaller than these minimums on any bicycle facilities.

9b-2 remove option language - move to standard Justification : preclude signs other than these two colors.

Tables: use two columns for sizes of signs Table 9B-1 "Minimum Sign Sizes" at the TOP of the table. Sign size columns for "path" and "standard"

9B-8 becomes 9b-3 Guidance language becomes "Where conditions require bicyclists but not motorist to stop or yield the sign should be placed or shielded so it is not readily visible to motorists." Justification: to be consistent with other manual chapters.

9B-6 becomes 9B-4 Bicycle Lane Signs (strike "preferential" for consistency with AASHTO and other definitions)

Revise section completely strike all, replace all to go with new sign - get new wording that will be going out to sponsors.

9B-5 formerly 9B-10 Right Turn Lane Yield to Bikes Sign

R3-7 is not specifically a bicycle sign - is typically for motorists and its use is discussed in part 2-B (part # may change) Delete all but four sentences in 9B-10

R4-4

9B-6 Have version already approved by sponsors and National

9B-7 becomes 9B-4 change number only

9B-8 Bicycling Prohibition Sign Change bicycles to 'cycles' for r5-10a sign.

9B-9 Changed to Guidance (may not be mandatory due to state statutes)

9B-10 Change to "Regulatory", not "restriction" justification is a regulatory sign due to colors.

9B-11 (formerly 9B-7) Want to resubmit with symbols reversed. Justification: overtaking traffic passes on the left. Include language "Symbols may be reversed where appropriate."

9B-12 Bicycle Signal Actuation Sign (remove dimensions)

9B-13 Remove 'Bike'

9B-14 Justification: made simpler by removing conflicting statements

9B-15 (was 9B-12) Bicycle Hazardous Condition - change to "Bicycle Surface Condition Warning Sign" Remove "may" since is now guidance.

9B-16 (formerly 9B-11) Bicycle Crossing Warning Sign W11-1

Delete option language, install our color notation. Change "Bike path" to "Bikeway" Add guidance regarding placement.

Share the Road Sign - move to warning sign section "Other Bicycle Warning Signs " 9B-17 (existing 9B-15) Redefine W16-1 as a plaque

Construction

Bicycle Guide Signs

9B-8 Change facilities to routes, revise figure 9-2, Figure 9-3 is eliminated as it is un-needed. Option language for the D11-1 sign should be removed.

9B-19 (was 9b-17) Bicycle Route Markers

re-arrange support, option, and standard statements. Start with Standard, then

9B-20 (formerly 9B-18) Change 'Destination signs' to supplemental plaques in the Options for use with all of the Bicycle Route Marker signs. Justifications: need destinations as

an option with all route markers.

NPRM 9B-20 Warning signs - Move text to option in the end of 9B-17 with other warning signs.

ADD Theo's stuff about Stop/Yield Justification: make compatible with handbook for traffic control devices (1979),

9C - Renumber sections to:

9c1. functions of markings

9C.2 General Principals

9C.3 Word Messages/ Symbols

9C.4 Marking Bike lanes

9C.5 Marking Support

9C.6 Pavement Markings for Obstructions

9C.7 Bicycle Detector Symbol

9C.2 Guidance Longitudinal pavement markings should be used to define bicycle lanes.

Figure captions are reversed on figure 9-7 and 9-8. Reassign figure numbers.

INSERT language from 9c.3

9C.3 (old 9C.5) refer arrow to figure 9C-3

9C.4 Marking of Bike lanes

DELETE first sentence about markings designating preferential portion for bicyclists.

Justification: redundant and not needed - second sentence is sufficient.

previous language from 9C.2 to be added as guidance here is not needed. Justification: redundant to discussion in 9C.4

9C.4 Guidance If the bicycle lane symbol is used is used in conjunction with other word or

Figure 9c-3 ADD AASHTO Figure 14 notes about bike lane markings.

9c 6a & 6b ADD back in figures 9c6A and 9c6B

9c-4 Support ADD back in "A through bike lane should not be positioned to the right of a right turn only lane." follow with Guidance "A Bicyclist continuing straight through an intersection from the right of a right turn lane would be inconsistent with normal traffic and violate the

expectations of right turning motorists."

9C.6 (formerly 9C.5) Object Markers on Shared Use Paths

White markings applied as shown in Figure 9C-7 should be used at the location of bollards or other obstructions in the center of the path. Bollards, or other obstructions in the traveled way of a shared use path shall be retroreflectorized.

Justification: consolidated all shared use path markings in single location for reference.

9C.6 Pavement markings for Obstructions on Bikeways

Support: There may be roadway situations where a drain grate

White markings applied as shown in Figure 9C-8 should be used where an obstruction to bicycle travel near the edge of the traveled way cannot be eliminated.

9C.7 Bicycle Detector Symbol

A symbol (figure 9c-5) may be replace on the pavement indicating where a bicyclist needs to be positioned to actuate the signal.

An R10-13 sign may be placed.....

Justification: Required to incorporate NCUTCD approved detector marking symbol in Part 9C.

9D Signals

9D.

National meeting 6/25

D4-3 Bike Parking Sign

Unanimous Passed

Pavement Marking Symbol for Signal Detection and R10-13 "To Request Green Wait on (Symbol)"

Unanimous Passed