



## BICYCLE No. 4

### TECHNICAL COMMITTEE RECOMMENDATION

**TECHNICAL COMMITTEE:** Bicycle Technical Committee

**DATE OF ACTION:** June 23rd, 2005

**TOPIC:** Proposed Changes to M Series Auxiliary Signs -  
Chapter 9B of the MUTCD

**ORIGIN OF REQUEST:** NCUTCD Bicycle Technical Committee

#### **DISCUSSION:**

Recommended changes:

1. Add 12" x 6" sizes for selected M3 & M4 series auxiliary signs, and add 12" x 9" sizes for all M5 & M6 series auxiliary signs, and refer to these smaller sizes in Section 9B.21, Table 9B-1, and Figure 9B-4. These smaller sizes will be suitable for use with M1-8, M1-8a, and M1-9 signs.
2. Revise the size and design of the M4-11 BEGIN plaque to be consistent with similar M4 series auxiliary signs in Part 9.
3. Delete the M4-12 and M4-13 plaques from Section 9B.21 and Figure 9B-4, since these duplicate the M4-6 and M4-5 auxiliary signs. Delete the M7 series arrow plaques from Section 9B.21 and Figure 9B-4, since these duplicate the newly established 12" x 9" sizes of the M5 & M6 auxiliary signs. This will ensure route auxiliary designations are consistent between Part 2 and Part 9.

These proposed changes were also reviewed and approved by the NCUTCD Guide and Motorist Information (G/MI) Technical Committee at their meeting in June 2005.

#### **COMMITTEE ACTION:**

The Bicycle Technical recommends that the National Committee submit these revised proposed sections to sponsors for comment and approval.

**Approved unanimously by NCUTCD Council January 20th, 2006.**

**Existing entries at bottom of Table 9B-1 in 2003 MUTCD**

Bicycle Route Supplemental Plaques	M4-11,12,13	300 x 100 (12 x 4)	300 x 100 (12 x 4)
Route Sign Supplemental Plaques	M7-1,2,3,4,5,6,7	300 x 225 (12 x 9)	300 x 225 (12 x 9)

**Proposed revised entries at bottom of Table 9B-1:**

Bicycle Route JCT, Cardinal Direction, & Alternative Route Auxiliary Signs	M2-1, M3-1,2,3,4 M4-1,1a,2,3,4,5,6,7,7a,8,11	300 x 150 (12 x 6)	300 x 150 (12 x 6)
Bicycle Route Directional Arrow Auxiliary Signs	M5-1,2 M6-1,2,3,4,5,6,7	300 x 225 (12 x 9)	300 x 225 (12 x 9)

## **Existing Section 9B.21 in 2003 MUTCD**

### **Section 9B.21 Destination Arrow and Supplemental Plaque Signs for Bicycle Route Signs**

#### Option:

Destination (D1-1b and D1-1c) signs (see Figure 9B-4) may be mounted below Bicycle Route Guide signs, Bicycle Route signs, or Interstate Bicycle Route signs to furnish additional information, such as directional changes in the route, or intermittent distance and destination information.

The M4-11 through M4-13 supplemental plaques (see Figure 9B-4) may be mounted above the appropriate Bicycle Route Guide signs, Bicycle Route signs, or Interstate Bicycle Route signs.

#### Guidance:

If used, the appropriate arrow (M7-1 through M7-7) sign (see Figure 9B-4) should be placed below the Bicycle Route Guide sign, Bicycle Route sign, or Interstate Bicycle Route sign.

#### Standard:

**The arrow signs and supplemental plaques used with the D11-1 or M1-8 signs shall have a white legend and border on a green background. The arrow signs and supplemental plaques used with the M1-9 sign shall have a white legend and border on a black background.**

### **Proposed revised Section 9B.21:**

*(Note: All references to "Interstate Bicycle Route signs" below are changed to "US Bicycle Route signs" in accordance with a previously approved NCUTCD action dated January 9, 2004)*

### **Section 9B.21 Bicycle Route Sign Auxiliaries**

#### Option:

Auxiliary signs may be used in conjunction with Bicycle Route signs, US Bicycle Route signs, or Bicycle Route Guide signs as needed.

#### Guidance:

If used, Junction (M2-1), Cardinal Direction (M3 series), and Alternative Route (M4 series) auxiliary signs (see Figure 9B-4) should be mounted above the appropriate Bicycle Route Guide signs, Bicycle Route signs, or US Bicycle Route signs. If used, Advance Turn Arrow (M5 series) and Directional Arrow (M6 series) auxiliary signs (see Figure 9B-4) should be mounted below the appropriate Bicycle Route Guide signs, Bicycle Route signs, or US Bicycle Route signs.

Route sign auxiliaries carrying word legends that are used on bicycle routes should have a minimum size of 300 x 150 mm (12 x 6 in). Route sign auxiliaries carrying arrow symbols that are used on bicycle routes should have a minimum size of 300 x 225 mm (12 x 9 in).

All route sign auxiliaries should match the color combination of the route sign that they supplement.

#### Option:

With route signs of larger sizes, auxiliary signs may be suitably enlarged, but not such that they exceed the width of the route sign.

A route sign and any auxiliary signs used with it may be combined on a single panel.

Destination (D1-1b and D1-1c) signs (see Figure 9B-4) may be mounted below Bicycle Route Guide signs, Bicycle Route signs, or US Bicycle Route signs to furnish additional information, such as directional changes in the route, or intermittent distance and destination information.

**Existing Figure 9B-4 in 2003 MUTCD**

**Figure 9B-4. Guide Signs for Bicycle Facilities**



**Proposed revised Figure 9B-4:**

*(Note: the M1-8a and M1-9 signs shown reflect previously approved NCUTCD actions)*

**Figure 9B-4. Guide Signs for Bicycle Facilities**



D1-1b (R)



D1-1b (L)



D1-1c



D4-3



D11-1



M1-8



M1-8a



M1-9



M2-1



M3-1



M3-2



M3-3



M3-4



M4-1



M4-1a



M4-2



M4-3



M4-5



M4-6



M4-7



M4-7a



M4-8



M4-11



M5-1



M5-2



M6-1



M6-2



M6-3



M6-4



M6-5



M6-6



M6-7