



## ATTACHMENT NO. 6

Approved by NCUTCD Council January 20, 2006

### TECHNICAL COMMITTEE RECOMMENDATION

**TECHNICAL COMMITTEE:** Bicycle Technical Committee

**DATE OF ACTION:** June 23rd, 2005 (*modified January 18th, 2006*)

**TOPIC:** Proposed Reference Location Signs  
Part 9 of the MUTCD

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

#### **DISCUSSION:**

Reference Location signs (mileposts) have been defined in Chapter 2D of the MUTCD since 1971, and have proven extraordinarily valuable for traveler information, maintenance and operations, emergency response, and numerous other applications.

The linear nature of many shared-use paths would seem to also naturally lend itself to the application of Reference Location signs. However, the use and design of such signs has not yet been explicitly addressed in Part 9 of the MUTCD. Defining a standard and uniform design could provide more uniform traveler guidance, reduce the proliferation of non-standard reference location signs, and encourage the use of these signs where desirable and appropriate.

The Bicycle Technical Committee proposes to add a section to Chapter 9B of the MUTCD defining the optional use of Reference Location signs for shared-use paths. The proposed signs would be proportionately sized for the lower operating speeds of shared-use paths, using a 6" wide panel with 3" numerals. The proposed text is adapted directly from Section 2D.46 defining the use of these signs for conventional roadways.

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 Committee recommends that the National Committee submit this proposal as developed by the NCUTCD BTC to sponsors for comment and approval.

**Add the following entries to Table 9B-1 of the MUTCD:**

Sign	MUTCD Code	Minimum Sign Size – mm (in)	
		Shared-Use Path	Roadway
Reference Location	D10-1, D10-2, D10-3	150 x 300, 450, 600 (6 x 12, 18, 24)	250 x 600, 900, 1200 (10 x 24, 36, 48)
Intermediate Reference Location	D10-1a, D10-2a, D10-3a	150 x 450, 600, 750 (6 x 18, 24, 30)	250 x 675, 900, 1200 (10 x 27, 36, 48)

**Add the following section to Chapter 9B of the MUTCD:**

**Section 9B.XX Reference Location Signs (D10-1 through D10-3) and Intermediate Reference Location Signs (D10-1a through D10-3a)**

Support:

There are two types of reference location signs:

- A. Reference Location signs (D10-1, 2, and 3) show an integer distance point along a shared-use path; and
- B. Intermediate Reference Location signs (D10-1a, 2a, and 3a) also show a decimal between integer distance points along a shared-use path.

Option:

Reference Location (D10-1 to D10-3) signs (see Figure 9B-X) may be installed along any section of a shared-use path to assist users in estimating their progress, to provide a means for identifying the location of emergency incidents and crashes, and to aid in maintenance and servicing.

To augment the reference location sign system, Intermediate Reference Location (D10-1a to D10-3a) signs (see Figure 9B-X), which show the tenth of a kilometer (mile) with a decimal point, may be installed at one tenth of a kilometer (mile) intervals, or at some other regular spacing.

**Standard:**

**When Intermediate Reference Location (D10-1a to D10-3a) signs are used to augment the reference location sign system, the reference location sign at the integer kilometer (mile) point shall display a decimal point and a zero numeral.**

**Reference location signs shall have a minimum mounting height of 600 mm (2 ft) to the bottom of the sign, and shall not be governed by the mounting height requirements prescribed in Section 9B.01.**

Option:

Reference location signs may be installed on one side of the shared-use path only and may be installed back-to-back.

If a reference location sign cannot be installed in the correct location, it may be moved in either direction as much as 15 m (50 ft).

Guidance:

If a reference location sign cannot be placed within 15 m (50 ft) of the correct location, it should be omitted.

Support:

See Section 2D.46 for additional information on the application of reference location signs.

Add the following signs to Chapter 9B of the MUTCD (either as part of Figure 9B-4 or as a separate figure):



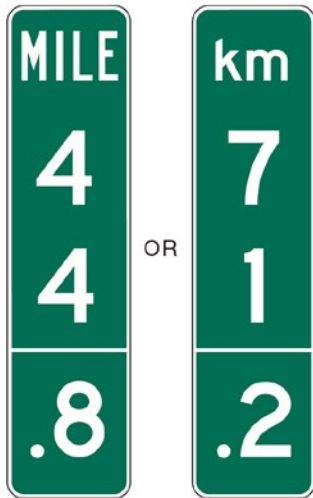
D10-1



D10-1a



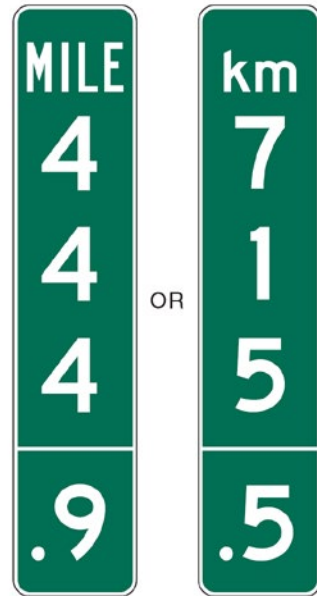
D10-2



D10-2a



D10-3



D10-3a

# SHS Figures

