



National Committee on Uniform Traffic Control Devices

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5 **NOTE: This is a recommendation by NCUTCD to FHWA to add or revise the**
6 **content of the MUTCD. This proposal by itself does not constitute official**
7 **standards or guidance. Regardless of NCUTCD approval status, any proposed**
8 **change or revision has no legal or official status until specifically approved by**
9 **FHWA through either the Interim Approval process or adoption into a new edition**
10 **of the MUTCD.**

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12 **TECHNICAL COMMITTEE:** NCUTCD Bicycle Technical Committee (BTC)

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14 **TOPIC:** New M1-x, M1-xa, M1-xb Non-Numbered
15 Bicycle Route Signs

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17 **STATUS/DATE OF ACTION:**

18 **BTC Draft:** 01/07/2014
19 **BTC Approval:** 01/08/2014
20 **GMITC Concurrence:** 01/09/2013
21 **Transmitted to Sponsors:** 03/25/2014
22 **TC Revision:** 06/26/2014
23 **Council Approval:** **06/26/2014 (v.1.2)**

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25 **ORIGIN OF REQUEST:** FHWA

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27 **AFFECTED SECTIONS OF MUTCD:** 9B.21

28
29 **SUMMARY:**

30 The BTC proposes a new M1-x sign for use on designated bicycle routes that use a
31 distinctive name and/or pictograph for designation, but do not use a numbering system.
32 This will establish a uniform design for these signs, while permitting flexibility for local
33 agencies. The proposed design is also consistent with the revised M1-8, M1-8a, and
34 M1-9 bicycle route markers approved by NCUTCD in 2010 and 2011.

35
36 **DISCUSSION**

37 The M1-8 local/regional bicycle route sign was established in the MUTCD in 1978, and
38 has been used by agencies to establish systemic guidance for their numbered routes.
39 However, there exists no counterpart to the M1-8 for route systems that do not utilize a
40 numbering system.

1 This proposal continues the practice of using the simple and clear designs used on the
2 revised M1-8, M1-8a, and M1-9 signs, encouraging uniformity.

3
4 A number of public agencies have shown significant interest in using this type of sign for
5 routes under their jurisdiction, in that they have established distinctive route identities
6 that are useful and valuable for bicyclist guidance but have determined that a
7 numbering system is not appropriate or needed. This new sign will establish a uniform
8 design for traveler guidance but still allows flexibility.

9
10 The NCUTCD Guide and Motorist Information Sign Technical Committee reviewed and
11 concurred with this proposal in January 2014.

12

RECOMMENDED MUTCD PROVISIONS/ REVISIONS:

Note: Deletions from the 2009 MUTCD text are noted in ~~strikethrough—red~~, and insertions in underline blue. **Changes highlighted in yellow** were approved by NCUTCD in 2010 and 2011 in prior proposals on the M1-8, M1-8a, and M1-9, and are not specifically part of this proposal.

Section 9B.21 of the MUTCD is modified as follows:

Section 9B.21 Bicycle Route Signs (M1-8, M1-8a, M1-9, M1-x, M1-xa, M1-xb)

Option:

01 To establish a unique identification (route designation) for a State or local bicycle route, ~~the a~~ Bicycle Route (M1-8, M1-8a, M1-x, M1-xa, M1-xb) sign (see Figure 9B-4) may be used.

~~Standard~~ Guidance:

02 The Numbered Bicycle Route (M1-8) sign ~~shall~~ should contain a route designation and ~~shall~~ should have a green background with a ~~retroreflectorized~~ white legend and border. The Non-numbered Bicycle Route sign should have a green background and a white word legend and border (M1-x), graphic associated with the route (M1-xa), or combination pictograph and word legend message (M1-xb). The Bicycle Route (M1-8a) signs shall contain the same information as the M1-8 sign and in addition shall should include on the upper portion of the sign panel a white area, graphic, or words that are associated with the route or with the agency that has jurisdiction over the route. The white area, graphic, or legend shall should incorporate a bicycle symbol or word message that clearly identifies the route as a bicycle route or pathway.

03 If a graphic is used on the M1-8a sign the maximum dimension (height or width) of the graphic should not exceed two times the height of the route numeral, and should be contained within a green border. The minimum width of the graphic on the M1-xa or M1-xb sign should be 66% of the panel width, and the maximum width should be 90% of the panel width.

04 If a bicycle symbol is used on the M1-8a, M1-xa or M1-xb sign, it should have a minimum height of 20% 25% of the M1-8a sign panel height width.

~~03~~ 05 Bicycle routes, which might be a combination of various types of bikeways, should establish a continuous routing.

04 06 Where a designated bicycle route extends through two or more States, a coordinated submittal by the affected States for an assignment of a U.S. Bicycle Route number designation should be sent to the American Association of State Highway and Transportation Officials (see Page i for the address).

Standard:

1 **05 07** The U.S. Bicycle Route (M1-9) sign (see Figure 9B-4) shall contain the route
2 designation as assigned by AASHTO and shall have a black legend and border with a
3 retroreflectorized white background.

4
5 *Guidance:*

6
7 *06 08 If used, ~~the~~ Bicycle Route ~~or U.S. Bicycle Route~~ signs should be placed at intervals*
8 *frequent enough to keep bicyclists informed of changes in route direction and to remind*
9 *motorists of the presence of bicyclists.*

10
11 *Option:*

12
13 *07 09* Bicycle Route ~~or U.S. Bicycle Route~~ signs may be installed on shared roadways or on
14 shared-use paths to provide guidance for bicyclists.

15
16 *08 10* The Bicycle Route Guide (D11-1) sign (see Figure 9B-4) may be installed where no
17 unique designation of routes is desired.

1 2. Designs for the new M1-x signs are recommended as follows:
2

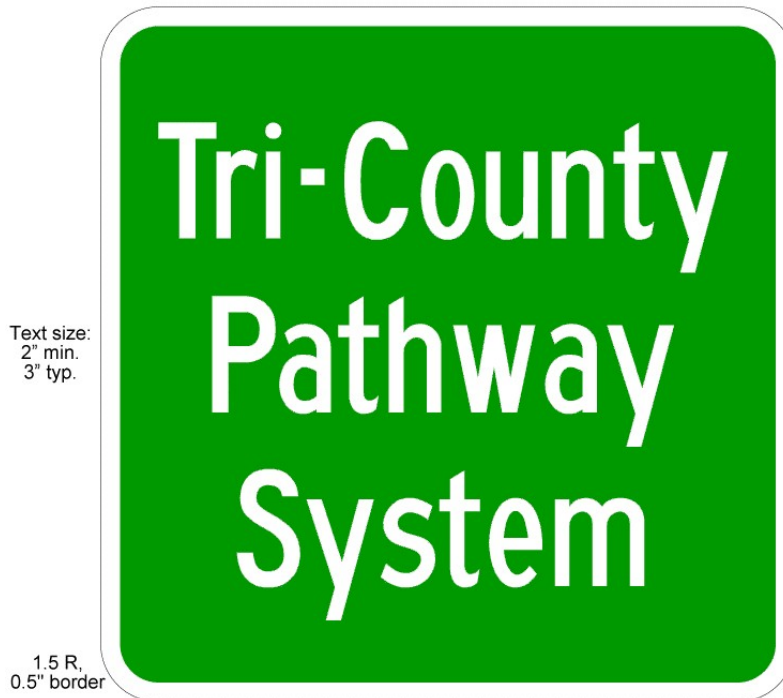
All text centered



M1-x (word legend)
12" x 12" size (Path)

3
4
5

All text centered



M1-x (word legend)
18" x 18" size (Roadway)

6
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10

1

Graphic centered

Pictograph
size:
8" x 8"
min.
10" x 10"
max.



1.5 R

M1-xa (graphic)
12" x 12" size (Path)

2
3

Graphic centered

Pictograph
size:
12" x 12"
min.
16" x 16"
max.



1.5 R

M1-xa (graphic)
18" x 18" size (Roadway)

4
5

Text & graphic centered

Graphic
size:
8" x 6"
min.
10" x 10"
max.



Text:
2" min.

1.5 R

M1-xb (graphic + words)
12" x 18" size (Path)

1
2

Text & graphic centered

Graphic
size:
12" x 8"
min.
16" x 16"
max.



Text:
2.5" pref.
2" min.

1.5 R

M1-xb (graphic + words)
24" x 18" size (Roadway)