



2009 MUTCD PART 9 – TRAFFIC CONTROL FOR BICYCLE FACILITIES

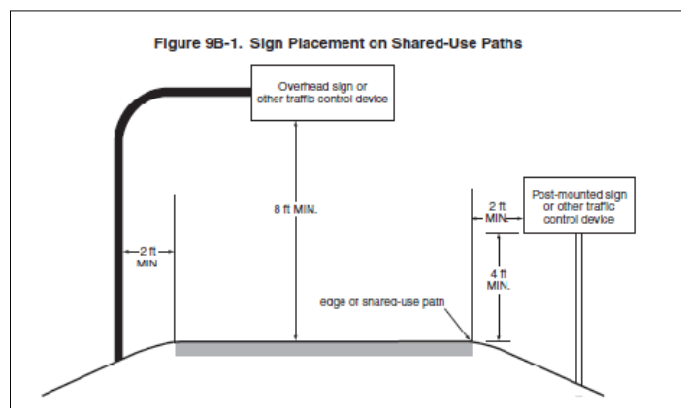


SCOPE

- **Signs, Pavement Markings, and Highway Traffic Signals Specifically Related to Bicycle Operation on Both Roadways and Shared-Use Paths**
- **Absence of a Marked Bicycle Lane or Any of the Other Traffic Control Devices Discussed in this Chapter on a Particular Roadway Shall Not be Construed to Mean that Bicyclists are Not Permitted to Travel on that Roadway**

SIGN PLACEMENT

- If Signs Serve Bicyclists and Other Road Users See Part 2 for Mounting Height and Lateral Placement
- Signs on Shared-Use Paths – No Portion of a Sign or its Support Shall be Placed Less than 2 Feet Laterally from the near Edge of the Path or Less than 8 Feet Vertically over the Entire Width of the Shared-Use Path
- Mounting Height for Post-Mounted Signs on Shared-Use Paths Shall be a Minimum of 4 Feet, Measured Vertically from the Bottom of the Sign to the Elevation of the Near Edge of the Path Surface



SIGN SIZE

- If Signs/Plaques Apply to Motorists and Bicyclists the Conventional Road Sizes in Table 2B-1, 2C-2, and 2D-1 Shall be Used
- Minimum Sizes in Table 9B-1 for Shared-Use Paths Shall be Used Only when Specifically for Bicycle Traffic

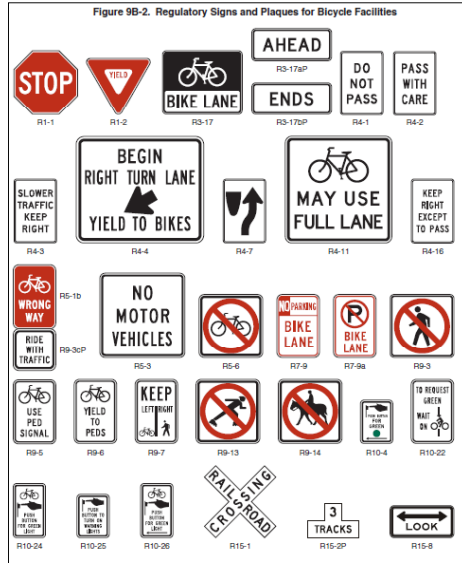
Table 9B-1. Bicycle Facility Sign and Plaque Minimum Sizes (Sheet 1 of 2)

Sign or Plaque	Sign Designation	Section	Shared-Use Path	Roadway
Stop	R1-1	2B.05, 9B.03	18 x 18	30 x 30
Yield	R1-2	2B.06, 9B.03	18 x 18 x 18	30 x 30 x 30
Bike Lane	R3-17	9B.04	---	24 x 18
Bike Lane (plaque)	R3-17aP, R3-17bP	9B.04	---	24 x 8
Movement Restriction	R4-1,2,3,7,16	2B.28,29,30,32, 9B.14	12 x 18	18 x 24
Begin Right Turn Lane Yield to Bikes	R4-4	9B.05	---	36 x 30
Bicycles May Use Full Lane	R4-11	9B.06	---	30 x 30
Bicycle Wrong Way	R5-1b	9B.07	12 x 18	12 x 18
No Motor Vehicles	R5-3	9B.08	24 x 24	24 x 24
No Bicycles	R5-6	9B.09	18 x 18	24 x 24
No Parking Bike Lane	R7-9,9a	9B.10	---	12 x 18
No Pedestrians	R9-3	9B.09	18 x 18	18 x 18
Ride With Traffic (plaque)	R9-3cP	9B.07	12 x 12	12 x 12
Bicycle Regulatory	R9-5,6	9B.11	12 x 18	12 x 18
Shared-Use Path Restriction	R9-7	9B.12	12 x 18	---
No Skaters	R9-13	9B.09	18 x 18	18 x 18
No Equestrians	R9-14	9B.09	18 x 18	18 x 18
Push Button for Green Light	R10-4	9B.11	9 x 12	9 x 12
To Request Green Walk on Symbol	R10-22	9B.13	12 x 18	12 x 18
Bike Push Button for Green Light	R10-24	9B.11	9 x 15	9 x 15
Push Button to Turn On Warning Lights	R10-25	9B.11	9 x 12	9 x 12
Bike Push button for green light (arrow)	R10-26	9B.11	9 x 15	9 x 15
Grade Crossing (Crossbuck)	R15-1	8B.03, 9B.14	24 x 4.5	48 x 9
Number of Tracks (plaque)	R15-2P	8B.03, 9B.14	13.5 x 9	27 x 9
Look	R15-8	8B.17, 9B.14	18 x 9	36 x 18
Turn and Curve Warning	W1-1,2,3,4,5	2C.04, 9B.15	18 x 18	24 x 24
Arrow Warning	W1-6,7	2C.12, 2C.47, 9B.15	24 x 12	36 x 18
Intersection Warning	W2-1,2,3,4,5	2C.46, 9B.16	18 x 18	24 x 24
Stop, Yield, Signal Ahead	W3-1,2,3	2C.36, 9B.19	18 x 18	30 x 30
Narrow Bridge	W5-2	2C.20, 9B.19	18 x 18	30 x 30
Path Narrows	W5-4a	9B.19	18 x 18	---
Hill	W7-5	9B.19	18 x 18	30 x 30
Bump or Dip	W8-1,2	2C.28, 9B.17	18 x 18	24 x 24

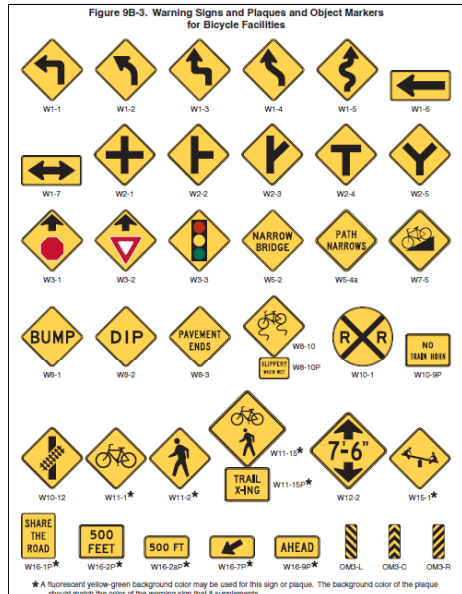
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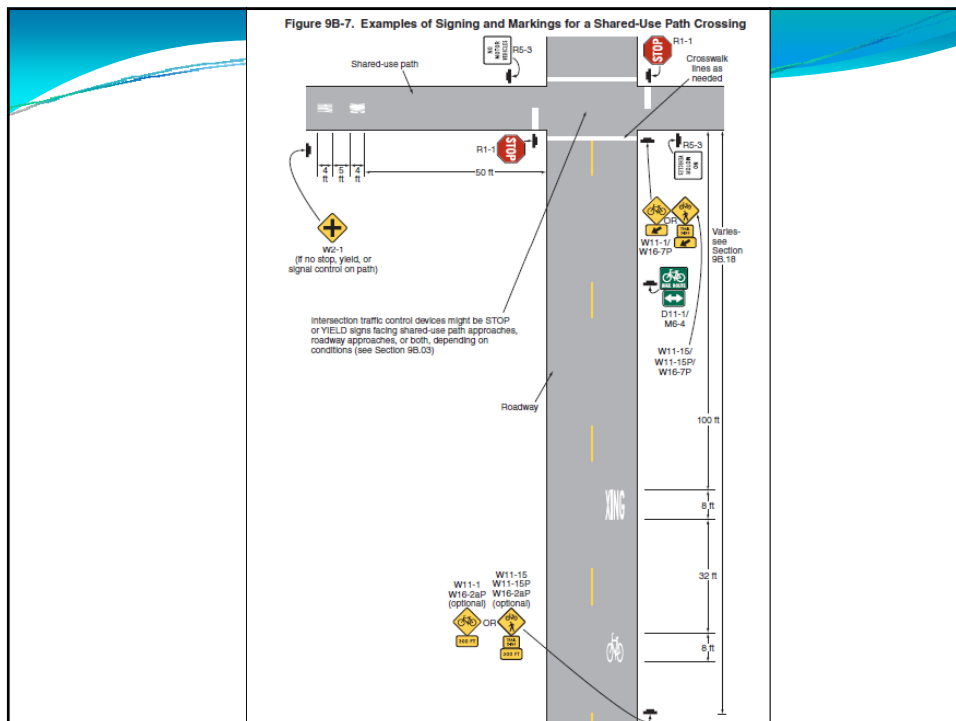
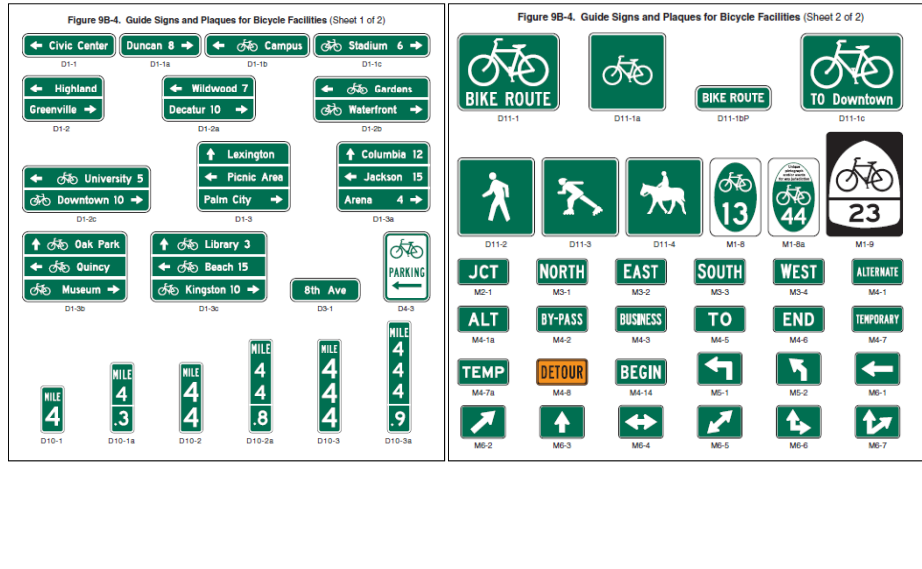
REGULATORY SIGNS



WARNING SIGNS

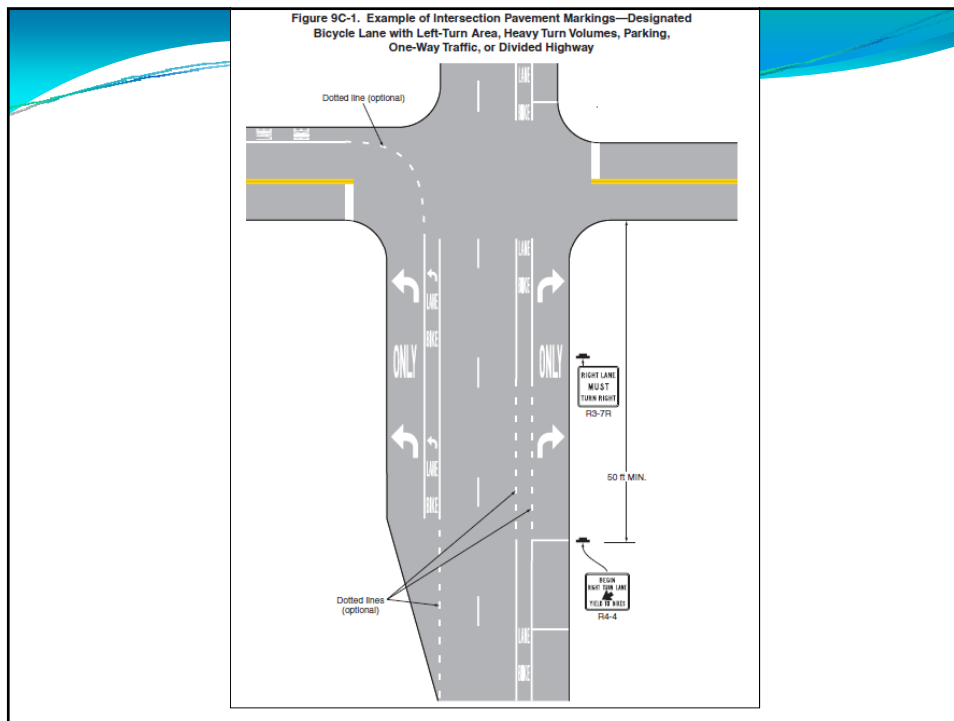


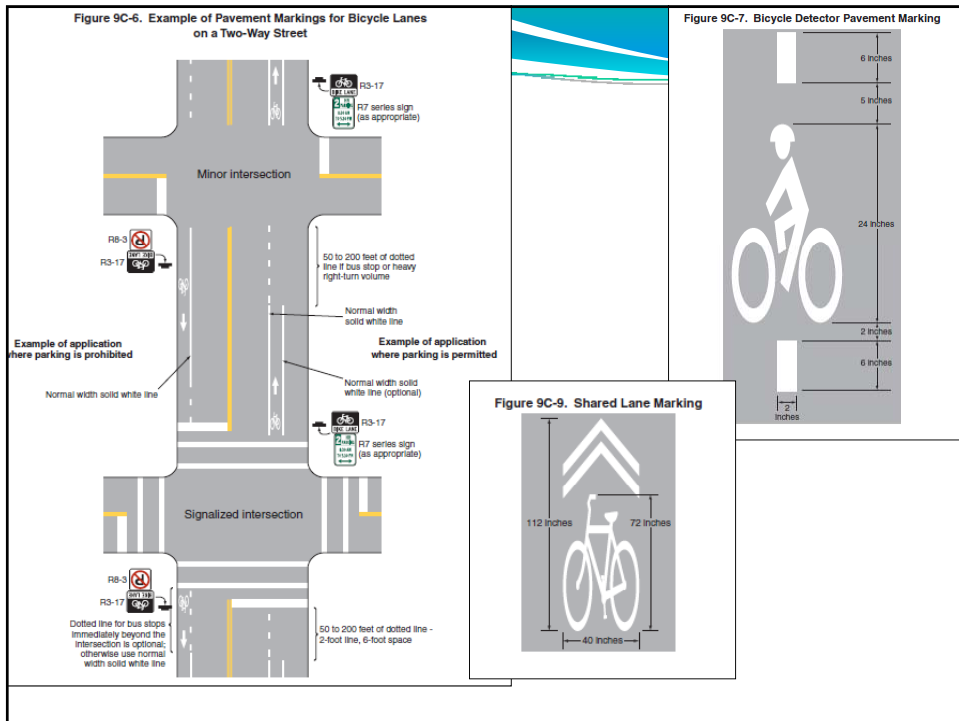
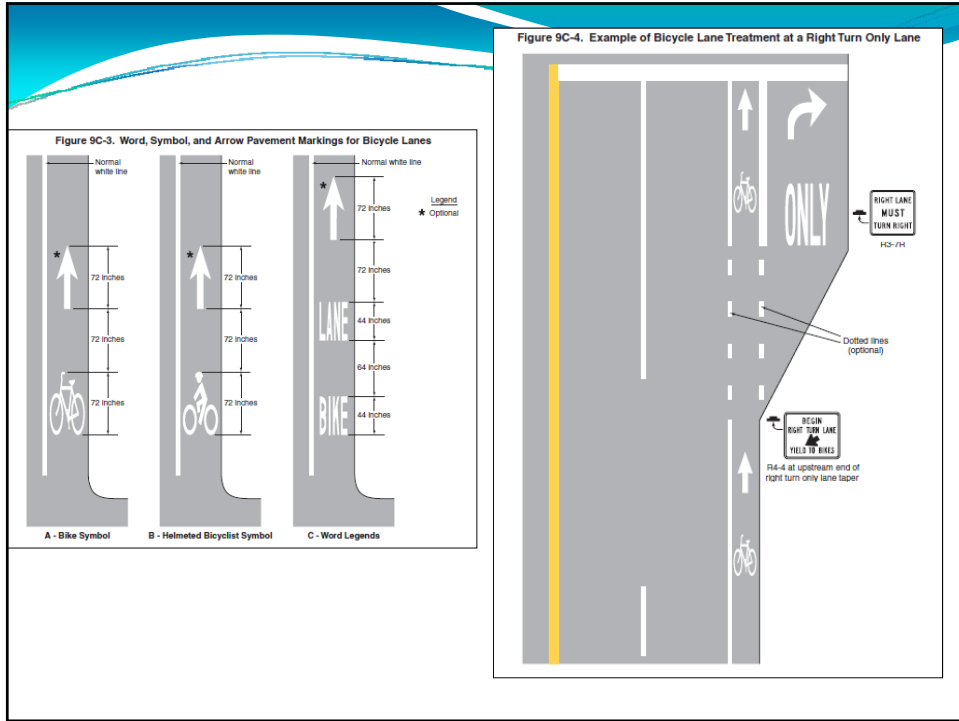
GUIDE SIGNS



PAVEMENT MARKINGS

- See Part 3 for Colors, Widths, Patterns, Symbols, and Arrows
- Additional Information in Part 9 (e.g., Longitudinal Lines Shall be Used to Define Bicycle Lanes)
- Figures 9B-7, and 9C-1 to 9C-9 are Examples of Lines, Word Messages, Symbols, and Arrows on Designated Bikeways (Some of these Follow)





SIGNALS

- **Part 4 has Information about Signal Warrants and Other Requirements for Signal Installations**
- **At Installations where Visibility-Limited Signal Faces are Used, Signal Faces Shall be Adjusted so Bicyclists for whom the Indications are Intended can see the Signal Indications.**
- **If the Visibility-Limited Signal Faces cannot be Aimed to Serve the Bicyclist, then Separate Signal Faces Shall be provided for the Bicyclist**
- **On Bikeways, Signal Timing and Actuation Shall be Reviewed and Adjusted to Consider the Needs of Bicyclists**

PART 9 – TRAFFIC CONTROL FOR BICYCLE FACILITIES REVISIONS (A Sample)

Section 9B.01 - Lateral Offset and Mounting Height Requirements for Traffic Control Devices on Shared-Use Paths*

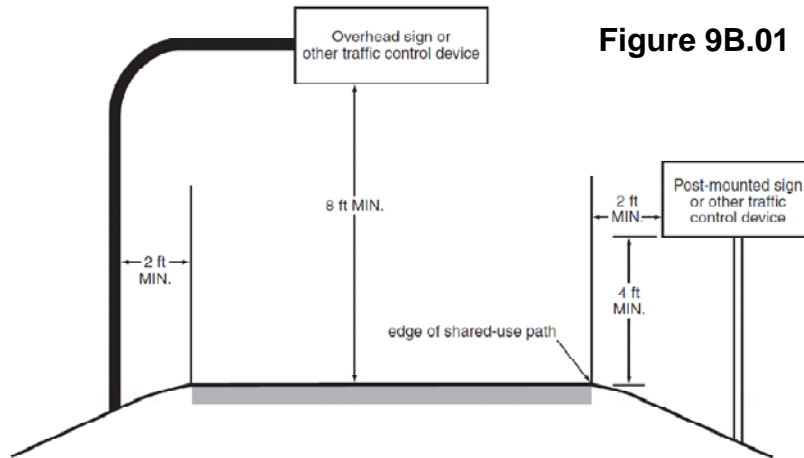


Figure 9B.01

Section 9B.04 – Bicycle Lane Regulatory Signs are No Longer Required



**Section 9B.06 –
New Sign for Lanes
That are too Narrow
for Bicyclists and
Motorists to Operate
Side-by-Side***



R4-11

**Section 9B.18 - New Sign and Plaque for
Combined Pedestrian/Bicycle Crossing***



W11-15



W11-15P



Section 9B.20 - New Bicycle Destination Guide Signs



D1-3c



D11-1c

Section 9B.21 - New Bicycle Route Sign that Provides a Place for a Pictograph

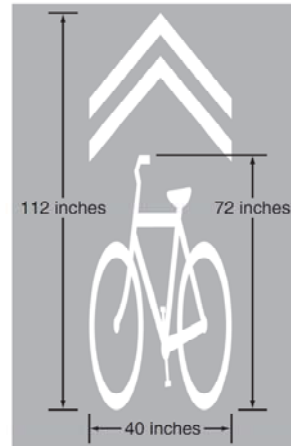


M1-8



M1-8a

Section 9C.07 - New Shared Lane Pavement Marking*



CONCLUSIONS

- **New Bicycle Signs**
- **New Bicycle Pavement Marking**
- **Several Parts of MUTCD Related to Signs and Markings are used with Part 9 for Applications**

COMPLIANCE DATES

9B.18	Bicycle Warning and Combined Bicycle/Pedestrian Signs (W11-1 and W11-15)	Elimination of crosswalk lines from crossing signs and use of diagonal downward pointing arrow (W16-7P) supplemental plaque if at the crossing (2000 MUTCD Section 9B.15)	January 17, 2011 (a)
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QUESTIONS?

(Thanks for Attending)