

THE FOLLOWING NOTES ARE APPLICABLE TO ALL TYPICALS

GENERAL NOTES:

1. All channelizing devices shall be in accordance with the current edition of the Manual on Uniform Traffic Control Devices.
2. All Traffic Control Devices shall have working visible warning lights as required in accordance with the current edition of the MUTCD.
3. For **Temporary Situations**, when it is not feasible to remove and restore pavement markings, channelization must be made dominant by using a very close device spacing. This is especially important in locations of conflicting information, such as where traffic is directed over a double yellow centerline. In such locations, channelizing device spacing of **10 feet** is required.
4. For **Long Term Stationary** work, all conflicting pavement markings must be removed and centerline striping provided where two way traffic is in adjacent lanes.
5. Contractor shall provide sidewalk closure, crosswalk closure and/or walkway bypass wherever pedestrian movements are affected by construction activities. All sidewalk and crosswalks shall be accessible when contractor is not working unless otherwise approved by the City Traffic Engineer.
6. The use of trailer mounted ARROW DISPLAYS may be required on all lane closures. The contractor shall provide one (1) stand-by unit in good working condition at the job site, ready for use, if his operation requires 24-hour a day closure set-ups and if required.
7. City Traffic Engineer and/or Inspectors may require additional traffic control devices.

TYPICAL TRANSITION LENGTHS AND SUGGESTED MAXIMUM SPACING OF DEVICES

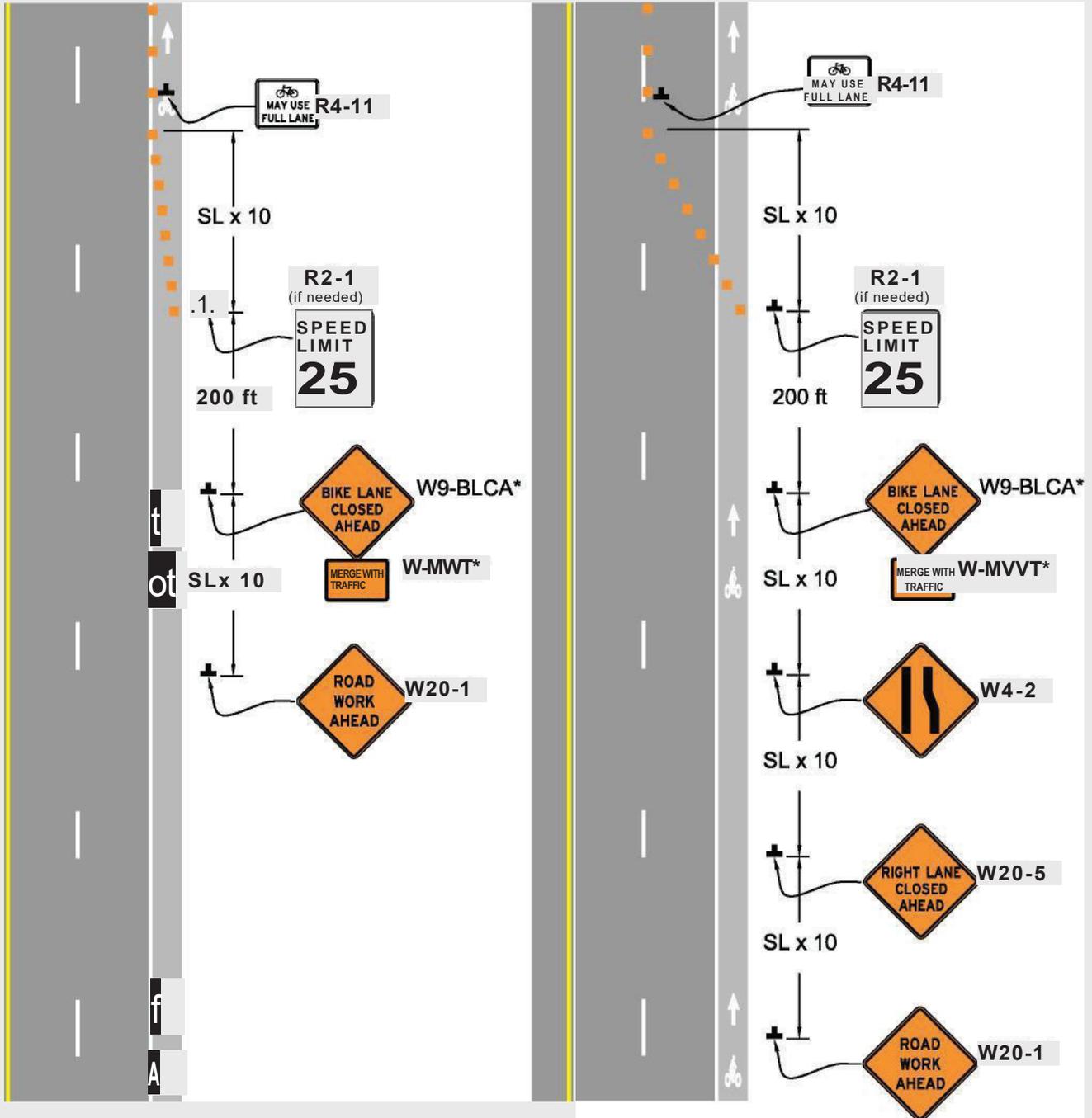
Posted Speed MPH	Formula*	Minimum Desirable Taper Length (Feet) (L)			Suggested Maximum Device Spacing		Suggested Sign Spacing (Feet)
		10' Lane Offset	11' Lane Offset	12' Lane Offset	On a Taper (Feet)	On a Tangent (Feet)	"X" Dimension
30	$L = \frac{WS^2}{60}$	150	165	180	30	60-75	120
35		205	225	245	35	70-90	160
40		265	295	320	40	80-100	240
45	L = WS	450	495	540	45	90-110	320
50		500	550	600	50	100-125	400

*L = Taper length in feet W = Width of offset in feet S = Posted speed

Note: Buffer Zone will be 25 feet (maximum).

<u>LEGEND</u>	
	Channelizing devices
	Arrow display
	Flagger
	Barricade

Bike Lane Closure Traffic Control Plan Typical Application



**BIKE LANE
CLOSURE**

**BIKE LANE + ADJACENT
ROADWAY LANE CLOSURE**

NOT TO SCALE



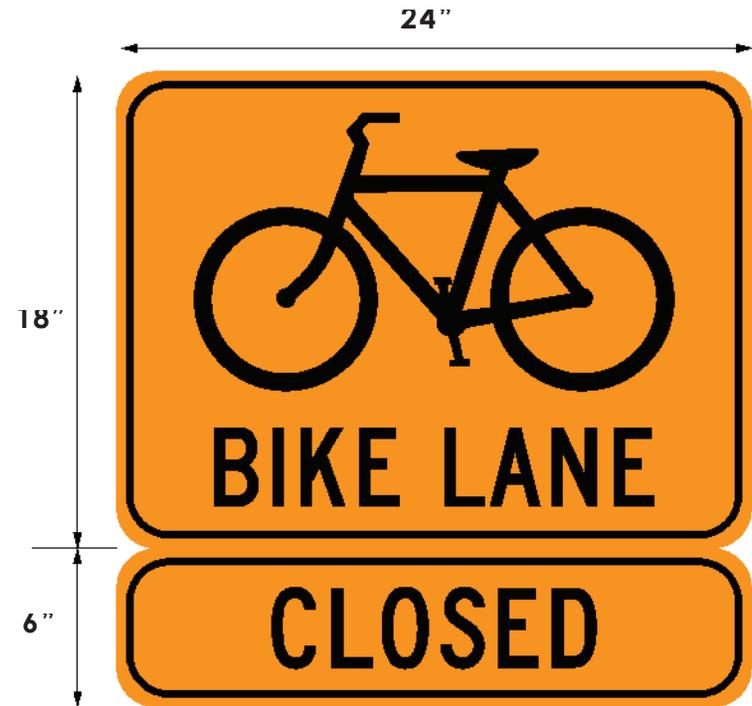
**Assemblies for Long-Term
Bike Lane Closures**

Sign blades/assemblies based on those in the MUTCD (sign numbers indicated, except where noted), modified for traffic control use. All signs shall have a black legend and border on an orange background and use FHWA Series C typeface.

R81/Custom Supplemental "CLOSED AHEAD" Plaque
• 3" letter height, all CAPS



R81/Custom Supplemental "CLOSED" Plaque
• 3" letter height, all CAPS





**Assemblies for Streets
Without Bike Lanes**

Sign blades/assemblies based on those in the MUTCD (sign numbers indicated, except where noted), modified for traffic control use. All signs shall have a black legend and border on an orange background and use FHWA Series C typeface.

R4-11 (BIKES MAY USE FULL LANE)

- Use: roads with two or more lanes per direction
- 4" letter height, all CAPS



W11-1 (bike warning) / W16-1 (SHARE THE ROAD) assembly

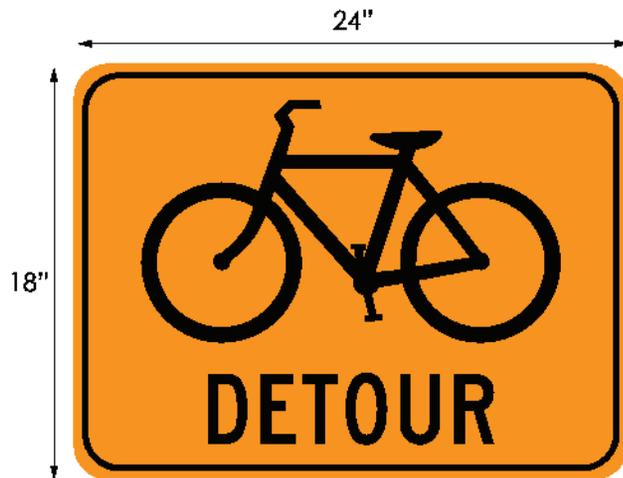
- Use: roads with one lane per direction
- W16-1: 5" letter height, all CAPS



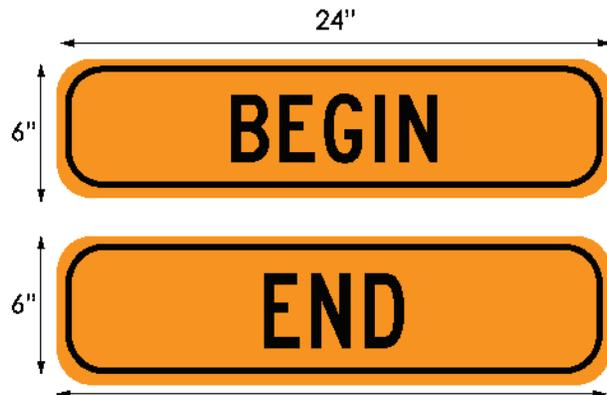


Blade Layout Details

Sign blades/assemblies based on those in the MUTCD (sign numbers indicated, except where noted), modified for traffic control use. All signs shall have a black legend and border on an orange background and use FHWA Series C typeface.



M4 series
• 3" letter height, CAPS



S17 (CA)

- 2.5" letter height, CAPS
(example route name shown)

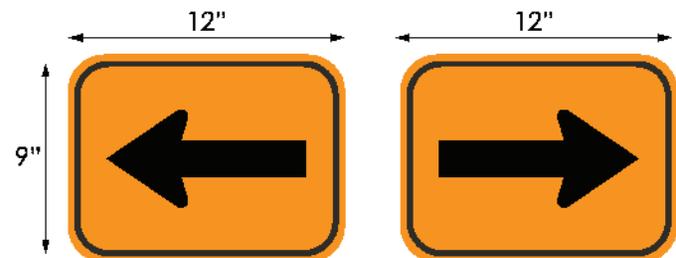


D1-1b

- 24" wide, 6" high (one-line);
10" high (two-line, not shown)
- 2" letter height, Title Case
(example text shown)



M7-1 (L/R)





**Example Assemblies for
Bikeway Detours ***

Sign blades/assemblies based on those in the MUTCD (sign numbers indicated, except where noted), modified for traffic control use. All signs shall have a black legend and border on an orange background and use FHWA Series C typeface.



- 30" wide; height varies based on content
- Min 2.5 letter height, all CAPS



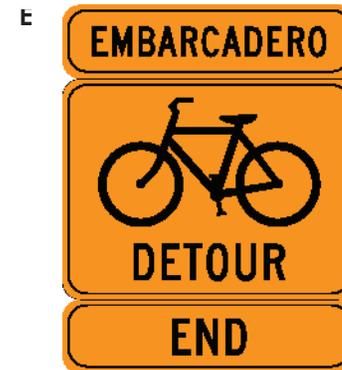
- 24" wide x 36" high



- 24" wide x 33" high



- 24" wide x 30" high



- 24" wide x 30" high

* Example assemblies shown above are from a project-specific detour. Assemblies will vary by project.