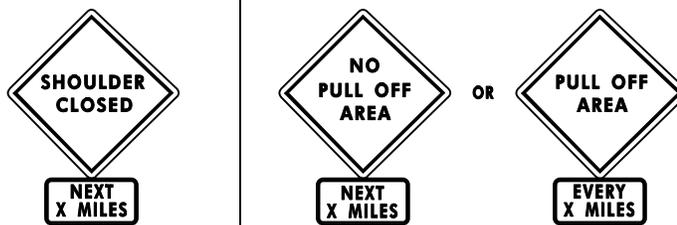


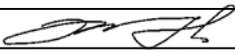
4.12 For utility operations, the word "AHEAD" may be used on warning signs in lieu of distance messages for warning signs placed up to and including 1500 feet in advance of the work area. At greater distances, the correct distance messages shall be used on such warning signs. Also, the message UTILITY WORK may be used in lieu of ROAD WORK or SHOULDER WORK. ROAD WORK AHEAD signs may also be used in lieu of distance messages on side streets and entrance ramps that intersect roads where work is being performed (as shown in the Typical Applications) and on the main road during mobile and mowing operations.

4.13 ROAD WORK AHEAD signs shall be installed on all side streets and entrance ramps that intersect roads within work zones. The signing shall be placed along the intersection approach to the right of the travel lane. Refer to Standard Detail 104.01-02 for guidance on sign placement. For side streets intersecting roads outside of work zone boundaries, no advanced signing should be installed.

4.14 Warning signs mounted on wood posts, and those mounted on approved portable supports, shall be mounted in conformance with Standard No. MD 104.01-17. Signs mounted on concrete barrier shall be installed using clamps that are on the Office of Traffic & Safety's Approved Product List. Supplementary signs may be mounted on portable sign stands using additional brackets obtained from the stand manufacturer. Supplementary signs shall not cover any part of the face of the primary sign.

- 4.15 For shoulder closures greater than a half (1/2) mile in length, advance warning signs should be placed as follows:
- a. A NEXT XX MILES supplemental plate should be provided with the first SHOULDER CLOSED sign in the sequence
  - b. The second SHOULDER CLOSED sign in the sequence should be replaced with either:
    - a NO PULL OFF AREA warning sign with NEXT XX MILES supplemental plate, if there are no pull off areas throughout the work area, or
    - a PULL OFF AREA warning sign with EVERY XX MILES supplemental plate, if pull off areas are provided (see MD 104.06-18).



SPECIFICATION	CATEGORY CODE ITEMS	
APPROVED	 DIRECTOR - OFFICE OF TRAFFIC AND SAFETY	
	APPROVAL • SHA REVISIONS	APPROVAL • FEDERAL HIGHWAY ADMINISTRATION
	APPROVAL 8-20-03	APPROVAL 9-23-03
	REVISED 8-11-10	REVISED 7-29-10
	REVISED	REVISED
	REVISED	REVISED

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
 STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

**GENERAL NOTES**

**STANDARD NO. MD 104.00-07**