PART 2N. EMERGENCY MANAGEMENT SIGNS

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PART 2. SIGNS
Chapter 2N. EMERGENCY MANAGEMENT SIGNING

2N.1 Emergency Management

GUIDANCE
Contingency planning for an emergency evacuation should be considered by all State and local jurisdictions and should consider the use of all applicable roadways.

In the event of a disaster where highways that cannot be used will be closed, a successful contingency plan should account for the following elements: a controlled operation of certain designated highways, the establishment of traffic operations for the expediting of essential traffic, and the provision of emergency centers for civilian aid.

2N.2 Design of Emergency Management Signs

STANDARD
Emergency Management signs shall be used to guide and control highway traffic during an emergency.

Emergency Management signs shall not permanently displace any of the standard signs that are normally applicable.

Advance planning for transportation operations’ emergencies shall be the responsibility of State and local authorities. The Federal Government shall provide guidance to the States as necessitated by changing circumstances.

Except as provided in Section 2A.11, the sizes for Emergency Management signs shall be as shown in Table 2N-1 and Appendix C of this Manual.

<table>
<thead>
<tr>
<th>Sign or Plaque</th>
<th>Sign Designation</th>
<th>Section</th>
<th>Minimum Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evacuation Route</td>
<td>EM-1, EM-1a</td>
<td>2N.3</td>
<td>24 x 24*</td>
</tr>
<tr>
<td>Area Closed</td>
<td>EM-2</td>
<td>2N.4</td>
<td>30 x 24</td>
</tr>
<tr>
<td>Traffic Control Point</td>
<td>EM-3</td>
<td>2N.5</td>
<td>30 x 24</td>
</tr>
<tr>
<td>Maintain Top Safe Speed</td>
<td>EM-4</td>
<td>2N.6</td>
<td>24 x 30</td>
</tr>
<tr>
<td>Permit Required</td>
<td>EM-5</td>
<td>2N.7</td>
<td>24 x 30</td>
</tr>
<tr>
<td>Emergency Aid Center</td>
<td>EM-6a to EM-6d</td>
<td>2N.8</td>
<td>30 x 24</td>
</tr>
<tr>
<td>Shelter Directional</td>
<td>EM-7a to EM-7d</td>
<td>2N.9</td>
<td>30 x 24</td>
</tr>
</tbody>
</table>

* The minimum size of 18 x 18 may be used on low-volume roadways or roadways with speeds of 25 mph or less.

Notes:
1. Larger signs may be used when appropriate.
2. Dimensions in inches are shown as width x height.

Table 2N-1. Emergency Management Sign Sizes
2N.3 Evacuation Route Signs (EM-1 and EM-1a)

**Standard**

The Evacuation Route (EM-1 and EM-1a) signs shall display a blue circular symbol on a white square sign without a border. The EM-1 sign shall include a white directional arrow (except as provided in the following Option) and a white legend EVACUATION ROUTE within the blue circular symbol. The EM-1a sign shall include a white EVACUATION ROUTE legend and the tsunami symbol within the blue circular symbol. The EM-1 and EM-1a signs shall be retroreflective.

An Advance Turn Arrow (M5 series) or Directional Arrow (M6 series) auxiliary sign as shown in Sections 2D.26 thru 2D.28, with a white arrow on a blue background, shall be installed below the EM-1a sign.

**Option**

Instead of including a directional arrow within the blue circular symbol on the EM-1 sign, an Advance Turn Arrow (M5 series) or Directional Arrow (M6 series) auxiliary sign as shown in Sections 2D.26 and 2D.28, but with a white arrow on a blue background instead of a black arrow on a white background, may be installed below the EM-1 sign.

If desired, the word HURRICANE, or a word that describes some other type of evacuation route, may be added as a third line of text above the white EVACUATION ROUTE legend within the blue circular symbol on the EM-1 sign.

An approved Emergency Management symbol with a diameter of 3.5 inches may appear near the bottom of an Evacuation Route sign.

**Standard**

The arrow designs, if used, on the EM-1 sign shall include a straight, vertical arrow pointing upward, a straight horizontal arrow pointing to the left or right, or a bent arrow pointing to the left or right for advance warning of a turn.

If used in urban areas, the Evacuation Route sign shall be mounted at the right-hand side of the roadway, not less than 7 feet above the top of the curb, and at least 1 foot back from the face of the curb. If used in rural areas, the Evacuation Route sign shall be mounted at the right-hand side of the roadway, not less than 7 feet above the pavement and not less than 6 feet or more than 10 feet to the right of the right-hand roadway edge.

Evacuation Route signs shall not be placed where they will conflict with other signs. Where conflict in placement would occur between the Evacuation Route sign and a standard regulatory sign, the regulatory sign shall take precedence.

**Option**

In case of conflict with guide or warning signs, the Evacuation Route sign may take precedence.

**Guidance**

Placement of EVACUATION ROUTE signs should be made under the supervision of the officials having jurisdiction over the placement of other traffic signs. Coordination with Emergency Management authorities and agreement between contiguous political entities should occur to assure continuity of routes.

2N.4 AREA CLOSED Sign (EM-2)

**Standard**

The AREA CLOSED (EM-2) sign shall be used to close a roadway in order to prohibit traffic from entering the area. It shall be installed on the shoulder as near as practical to the right-hand edge of the roadway, or preferably, on a portable mounting or barricade partly or entirely in the roadway.

**Guidance**

For best visibility, particularly at night, the sign height should not exceed 4 feet measured vertically from the pavement to the bottom of the sign. Unless adequate advance warning signs are used, it should not be placed to create a complete and unavoidable blocked route. Where feasible, the sign should be located at an intersection that provides a detour route.
2N.5 TRAFFIC CONTROL POINT Sign
(EM-3)

Support
Since any speed zoning would be impractical under such emergency conditions, no minimum speed limit can be prescribed by the MAINTAIN TOP SAFE SPEED sign in numerical terms. Where traffic is supervised by a traffic control point, official instructions will usually be given verbally, and the sign will serve as an occasional reminder of the urgent need for maintaining the proper speed.

Guidance
The sign should be installed as needed, in the same manner as other standard speed signs.

Standard
If used in rural areas, the MAINTAIN TOP SAFE SPEED sign shall be mounted on the right-hand side of the road at a horizontal distance of not less than 6 feet or more than 10 feet from the roadway edge, and at a minimum height, measured vertically from the bottom of the sign to the elevation of the near edge of the traveled way, of 5 feet. If used in urban areas, the minimum height, measured vertically from the bottom of the sign to the top of the curb, or in the absence of curb, measured vertically from the bottom of the sign to the elevation of the near edge of the traveled way, shall be 7 feet, and the nearest edge of the sign shall be not less than 1 foot back from the face of the curb.

2N.6 MAINTAIN TOP SAFE SPEED Sign
(EM-4)

Option
The MAINTAIN TOP SAFE SPEED (EM-4) sign may be used on highways where conditions are such that it is prudent to evacuate or traverse an area as quickly as possible.

Where an existing Speed Limit (R2-1) sign is in a suitable location, the MAINTAIN TOP SAFE SPEED sign may conveniently be mounted directly over the face of the speed limit sign that it supersedes.

Support
Since any speed zoning would be impractical under such emergency conditions, no minimum speed limit can be prescribed by the MAINTAIN TOP SAFE SPEED sign in numerical terms. Where traffic is supervised by a traffic control point, official instructions will usually be given verbally, and the sign will serve as an occasional reminder of the urgent need for maintaining the proper speed.

Guidance
The sign should be installed as needed, in the same manner as other standard speed signs.

Standard
If used in rural areas, the MAINTAIN TOP SAFE SPEED sign shall be mounted on the right-hand side of the road at a horizontal distance of not less than 6 feet or more than 10 feet from the roadway edge, and at a minimum height, measured vertically from the bottom of the sign to the elevation of the near edge of the traveled way, of 5 feet. If used in urban areas, the minimum height, measured vertically from the bottom of the sign to the top of the curb, or in the absence of curb, measured vertically from the bottom of the sign to the elevation of the near edge of the traveled way, shall be 7 feet, and the nearest edge of the sign shall be not less than 1 foot back from the face of the curb.

2N.7 ROAD (AREA) USE PERMIT REQUIRED FOR THRU TRAFFIC
(EM-5) Sign

Support
The intent of the ROAD (AREA) USE PERMIT REQUIRED FOR THRU TRAFFIC sign is to notify road users of the presence of the traffic control point so that those who do not have priority permits issued by designated
Emergency Aid Center signs shall carry one of the following legends, as appropriate, or others designating similar emergency facilities:

B. MEDICAL CENTER (EM-6a)
C. WELFARE CENTER (EM-6b)
D. REGISTRATION CENTER (EM-6c)
E. DECONTAMINATION CENTER (EM-6d)

The Emergency Aid Center sign shall be a horizontal rectangle. Except as provided in the following Option, the identifying word and the word CENTER, the directional arrow, and the border shall be black on a white background.

**Option**

When Emergency Aid Center signs are used in an incident situation, such as during the aftermath of a nuclear or biological attack, the background color may be fluorescent pink (see Chapter 6I).

**2N.9 Shelter Directional Signs (EM-7 Series)**

Shelter Directional (EM-7 Series) signs shall be used to direct the public to selected shelters that have been licensed and marked for emergency use.

The installation of Shelter Directional signs shall comply with established signing standards. Where used, the signs shall not be installed in competition with other necessary highway guide, warning, and regulatory signs.

The Shelter Directional sign shall be a horizontal rectangle. Except as provided in the following Option, the identifying word and the word SHELTER, the directional arrow, the distance to the shelter, and the border shall be black on a white background.
Option

When Shelter Directional signs are used in an incident situation, such as during the aftermath of a nuclear or biological attack, the background color may be fluorescent pink (see Chapter 6I).

The distance to the shelter may be omitted from the sign when appropriate.

Shelter Directional signs may carry one of the following legends, or others designating similar emergency facilities:

A. EMERGENCY (EM-7a)
B. HURRICANE (EM-7b)
C. FALLOUT (EM-7c)
C. CHEMICAL (EM-7d)

If appropriate, the name of the facility may be used.

The Shelter Directional signs may be installed on the Interstate Highway System or any other major highway system when it has been determined that a need exists for such signs as part of a State or local shelter plan.

The Shelter signs may be used to identify different routes to a shelter to provide for rapid movement of large numbers of persons.

Guidance

The Shelter Directional sign should be used sparingly and only in conjunction with approved plans of State and local authorities. The Shelter Directional sign should not be posted more than 5 miles from a shelter. OPTION: GUIDANCE: 2N