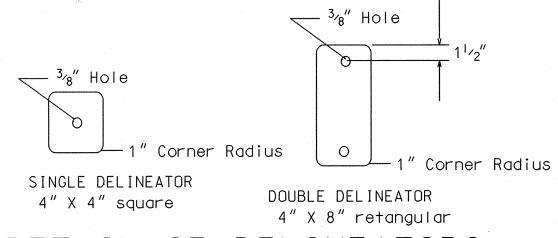
## END-OF-ROADWAY INSTALLATION DEAD END ROAD INSTALLATION

(TYPE A - WITH GUARD RAIL, TYPE D - WITHOUT GUARDRAIL)

For End of Road installation Object Marker stripes shall slope downward toward the center.

Guardrail to be installed in accordance with guardrail Standard Plans. Typical installation requires 25 ft. of rail with flared end sections.



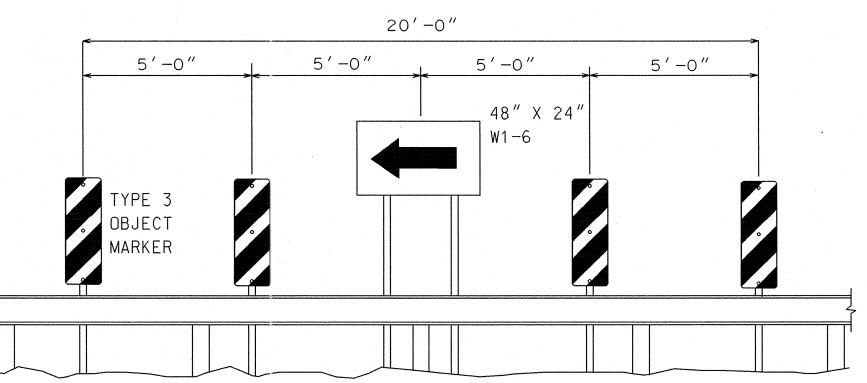
### DELINEATORS

Colors shall be red, white, or yellow. The sheeting shall be in accordance with DOTD Standard Specification

For alternate Delineator/Flexible Post systems see the DOTD Approved Materials List. Alternates shall have an equivalent area of sheeting and shall not be less than 3 in. wide.

The mounting height shall be the same as for Milepost Markers.

Post penetration in ground shall be a minimum of 2 ft.

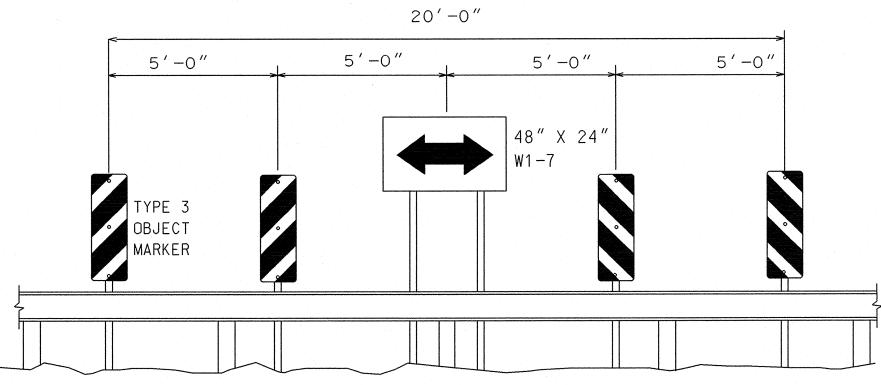


## INSTALLATION

DEAD END ROAD INSTALLATION (TYPE B - WITH GUARD RAIL, TYPE C - WITHOUT GUARDRAIL)

For Turn installations Object Marker stripes shall slope downward toward the direction of travel.

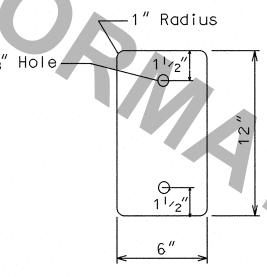
Guard rail to be installed in accordance with guardrail Standard Plans. Typical installation requires 25 ft. of rail with flared end sections.



# T-INTERSECTION INSTALLATION DEAD END ROAD INSTALLATION

(TYPE B - WITH GUARD RAIL, TYPE C - WITHOUT GUARDRAIL)

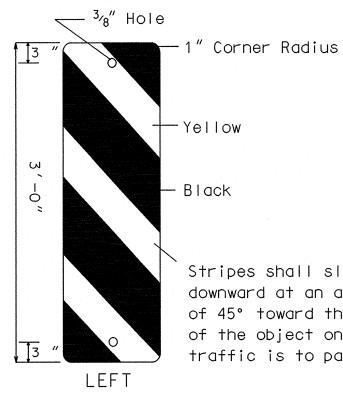
For T-intersection installations Object Marker stripes shall slope away from center. Guardrail to be installed in accordance with guardrail Standard Plans. Typical installation requires 25 ft. of rail with flared end sections.



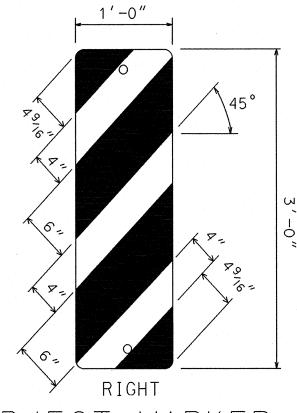
The face shall be yellow. The sheeting shall be in accordance with DOTD Standard Specification. The typical mounting height from the ground line to the bottom of the object marker shall be 36 in.

Post penetration in ground shall be a minimum of 2 ft.

Type 2 Object Markers are typically used in the right-of-way to mark objects for mowing operations.



-Yellow - Black Stripes shall slope downward at an angle of 45° toward the side of the object on which traffic is to pass.



Note: For mile markers on conventional roads. See the details shown on the Special Signing Details sheets-B. This is in accordance with MUTCD signs D10-4 & D10-5 in Figure 2H-4.

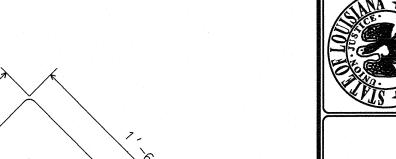
yellow stripes. The sheeting shall be in accordance with DOTD Standard Specifications.

Post penetration in ground shall be a minimum of 3 ft.

Type 3 Object Markers are typically used to mark objects in the roadway (travel lanes and shoulder) and to mark guard rail installation (see guard rail Standard Plans).

When used for marking objects in the roadway or objects that are 8 ft. or less from the shoulder or curb, the mounting height to the bottom of the object marker should be at least 4 ft. above the surface of the nearest traffic lane.

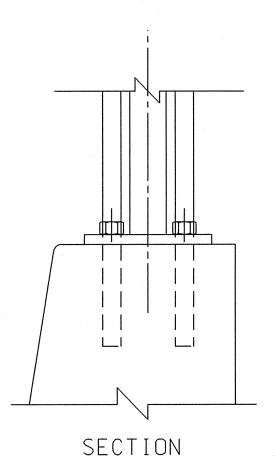
When used to mark objects more than 8 ft. from the shoulder or curb, the mounting height to the bottom of the object marker should be at least 4 ft. above the ground.



 $\sim$  3/8" Hole

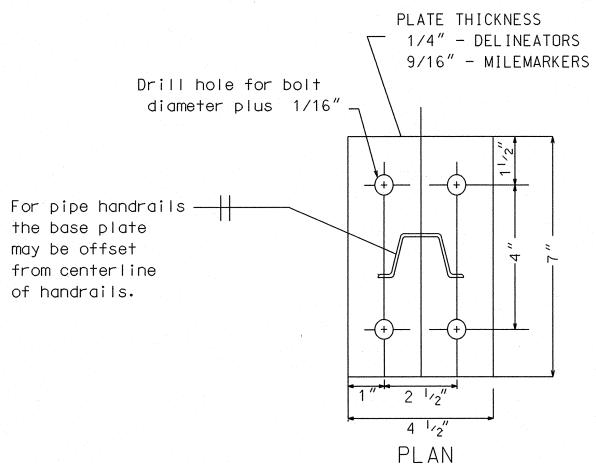
### DETAIL OF END OF ROAD MARKER

Colors shall be red. Standard Specification.



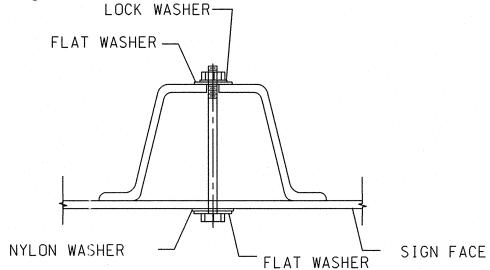
Anchor Bolts  $\frac{1}{4}$  in. plate -  $\frac{5}{16}$  in. x 4 in. bolt  $9_{16}$  in. plate  $-1_{2}$  in. x 5 in. bolt

For bolt anchors see DOTD Approved Materials List.



Steel base plate and channel posts shall be galvanized after fabrication.

DETAIL FOR MOUNTING SIGN POST TO CONCRETE BARRIER RAIL



Steel U-channel sign post shall have 3/8 in. dia. holes drilled in channel on 1 in. centers from top of post. Steel tube post (Min. 2.23 lb/ft) may be used in lieu of U-channel posts, Post Weight: 2.0 lbs/ft - DELINEATORS and TYPE 2 OBJECT MARKERS

2.5 lbs/ft - MILEMARKERS and TYPE 3 OBJECT MARKERS 3.0 lbs/ft - WARNING SIGNS, W1-6, W1-7

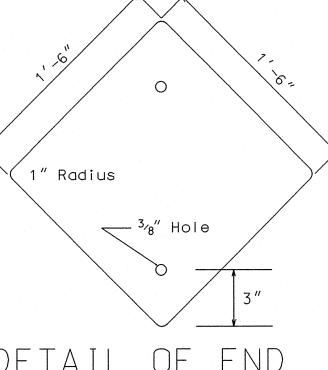
Fasteners shall be either bolts or rivets.

Bolts shall be  $\frac{5}{16}$  in, diameter electroplated steel hex head bolts with one nylon washer, two flat washers, one lock washer, and one vandal resistant hex nut.

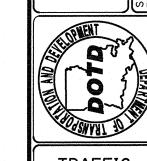
Rivets shall be vandal resistant 1/4 in. diameter aluminum blind rivets with smooth, low profile heads on each end.

> DETAIL FOR MOUNTING SIGN TO U-CHANNEL POST





The sheeting shall be in accordance with DOTD The minimum mounting height from the ground line to the bottom of the marker shall be 5 ft. Post penetration in ground shall be a minimum of 3 ft.



OBJECT MARKERS AND DEAD END ROAD INSTALLATION

NUMBER

TRAFFIC ENGINEERING