



**INSTALLATION PROCEDURES FOR TD5200 SERIES
BOOMERANG™ SURFACE-MOUNT DELINEATORS USING
FIXED BASE BOLT-DOWN ANCHOR**

To assemble post or sign on base:

1. Mount post over riser on base and insert two (2) hex bolts ($\frac{1}{4}$ "-20 x 2- $\frac{1}{2}$ "") through the post. Attach a washer and Nyloc nut to each bolt and tighten using 7/16" socket to snug bolts.
2. If sign or vertical panel is attached to post, the post must be removed from base prior to the Boomerang reboundable base with fixed base plate being anchored to the surface.

Please note the following prior to installation:

1. Pavement surface should be clean and dry prior to installation. Make sure all dirt, dust (even fine dust), rocks, and/or gravel have been cleared from the surface. For best results after sweeping, use compressed air to blow any fine particles from the surface. The bottom of the base should also be clean of any dust prior to installation.
2. Units are to be spaced evenly according to specifications required by the instructions or manuals for each individual user, contractor, city, state or federal agency. Bases manufactured by Three D Traffic Works, Inc. do not require flame treating.

To install unit (assembled):

1. Our recommended anchor for each unit consists of 4 each of the following:
2- $\frac{1}{2}$ " x $\frac{1}{2}$ " dual-lead thread hex head concrete anchor (4" x $\frac{1}{2}$ " asphalt anchor)
9/10" diameter metal washer
2. Place Boomerang flexible base into bolt-down plate assembly on surface, and align the desired position (direction you want the post/sign to face).
3. Using the base plate as a template, mark the four (4) holes to establish the pattern for drilling.
4. Drill four (4) holes 2- $\frac{1}{2}$ " deep using a standard hammer drill and $\frac{1}{2}$ " SDS bit. (4" deep holes for asphalt installations). Blow holes and clean surrounding area under base.
5. Put washer onto the anchor. Insert anchor through holes in base. Use $\frac{3}{4}$ " impact wrench to tighten anchor into the hole in the pavement. Continue tightening until anchor is firmly seated, careful not to over tighten screws.