



FG 300 Interstate Grade Curb System Installation Procedure Using Bolts

1. Design

The curb system shall consist of a combination of modular units including lenses, bases, longitudinal curb units, upright reflective posts and optional top and side reflectors. These modular units shall interface with each other to form a longitudinal channelizing mountable curb system when installed on the roadway.

2. Preparation

Establish proper traffic control for a safe work zone. Assemble tools required: 5 hp generator, variable speed rotary hammer, 3/8 SDS drill bits, 9/16" socket electric impact wrench, chalk line, hammer and rubber mallet. Clear the area free of all debris using a broom or air compressor.

3. Layout

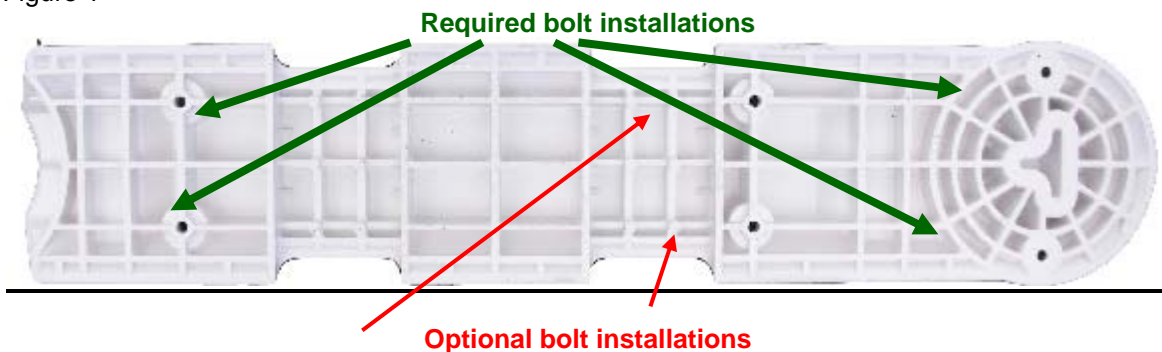
Use a chalk line to layout one edge line in the location where the curb system will be installed; position curb sections along this line. Using a standard hammer drill, drill pilot holes through the holes in each curb end cap base approximately 1/2" into the pavement for the length of the installation. Once complete, move the curb section, laterally to one side.

4. Installation

Using the rotary hammer, carefully drill hole for the anchor bolts in the spot of the pilot holes straight downward to a depth of at least 1/2" deeper than the length of the bolt. Blow each hole clean of dust and debris. Install all posts into curb section using the Quick Release pins provided.

Insert an anchor bolt through the curb section or end cap base unit. Using the impact wrench, drill the bolt into the hole in the pavement. Begin tightening the bolt by applying slight downward pressure when engaging the first few threads. Continue tightening until the head is firmly seated; do not over-tighten the bolt. **Use four (4) bolts per curb section and end cap base. Two (2) additional bolts per curb units may be used where additional anchorage is needed.** (See figure 1)

Figure 1



5. Removal

Posts can be removed with the use of the FG 300 Pin Removal tool without removing the curb or base from the roadway. Curbs and end cap base can be removed simply by backing out the holes in the pavement.

6. Important Notice to Purchaser

The following is made in lieu of all warranties, expressed or implied, including the implied warranties of merchantability and fitness for purpose: Seller's and manufacturers' only obligation shall be to replace such quantity of the product proved to be defective. Before using, user shall determine the suitability of the product for its intended use, and user assumes all risk and liability whatsoever in connection therewith. Neither manufacturer nor seller shall be liable either in tort or in contract for any loss or damage, direct, incidental, or consequential, arising out of the use of the inability to use the product.



FG 300 Interstate Grade Curb System Installation Procedure Using Adhesive

1. **Design**
The curb system shall consist of a combination of modular units including lenses, bases, longitudinal curb units, upright reflective posts and optional top and side reflectors. These modular units shall interface with each other to form a continuous longitudinal channelizing mountable curb system when installed on the roadway. 1-part polyurethane Adhesive 795A is available in either 10-ounce tubes that fit a standard caulking gun or 20 ounce tubes that fit in a "sausage gun". Approximate coverage for adhesion is one curb section per 10 ounce tube.
2. **Preparation**
Establish proper traffic control for a safe work zone. Assemble tools required: Adhesive 795A, 10 oz standard caulking gun or 20 oz "sausage gun", chalk line, hammer and rubber mallet. Using a broom or air compressor, clear the area free of all debris.
3. **Layout**
Use a chalk line to layout one edge line in the location where the curb system will be installed.
4. **Installation**
Install all FG 300 upright posts into curb sections using the Quick Release pins provided.

On the underside of the curb section, apply a small amount of adhesive 795A onto the bottom of each of the bolt holes making sure some adhesive comes through the holes. Then apply a ½ inch bead around the underside outside edge. Immediately place the curb section in position next to the chalk line.

Repeat procedure with additional curb sections and end cap base as needed to complete the installation.
5. **Removal**
Posts can be removed with the use of the FG 300 Pin Removal tool without removing the curb or base from the roadway. Post bases and curbs can be removed pushing a pry bar under the edge and evenly lifting to break the adhesive bond with the road.
6. **Important Notice to Purchaser**
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