

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

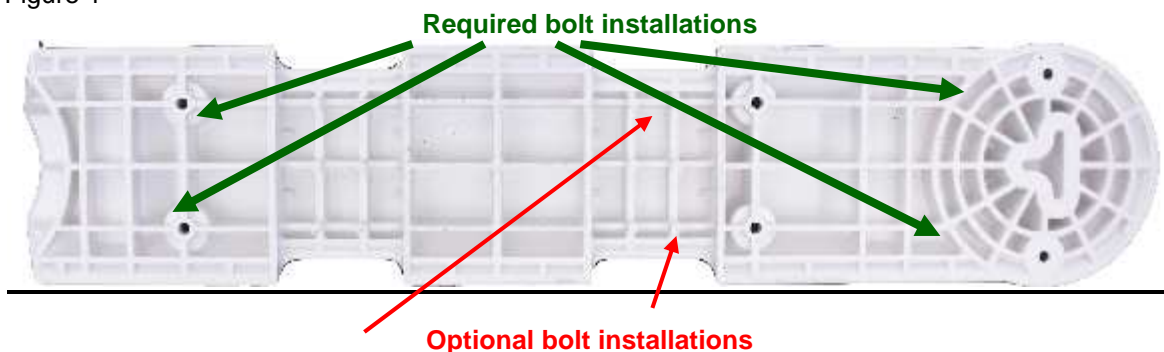
Use a chalk line to layout one edge line in the location where the curb system will be installed; position curb sections along this line. Using a standard hammer drill, drill pilot holes through the holes in each curb end cap base approximately 1/2" into the pavement for the length of the installation. 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 two black nylon Quick Release pins provided.

Insert an approved Pexco 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.