1. These details provide a method of internally restraining precast concrete barrier to limit deflections under normally expected pedestrian loading. These details are intended for use in work zones, primarily on bridge decks, or pavement where temporary barriers must be placed less than 2 ft. from the longitudinal edge of the deck or dropoff and parallel to the direction of travel. Other applications of these details are acceptable as directed by the Engineer.

2. Each precast concrete barrier section shall have a minimum of four reinforcing bars of 1" in diameter placed in the holes or slots formed in the barrier. If rebar is encountered, the entry point may be shifted 2" plus or minus longitudinally along the barrier. The rebar spacing is spaced along the length of the barrier as shown in detail 1.

3. The drilling of the travel surface is accomplished by placing the pre-drilled barrier section on the travel surface in the desired position. The holes are formed with the bit passing through the hole in the barrier. The hole in the barrier is then rounded with a bit of slightly more than the pin length.

4. Note that steel washers have been added to the top of the steel pins to aid in the removal of the pins, when the barrier is removed.

5. See SSCP 81 standard sheet for reinforcement requirements and joint connection types.

6. The forming of holes in the barrier, drilling of holes in bridge decks or pavement, fabrication and installation of all the barrier shall be considered as provided by the Engineer in accordance with item 429, "Concrete Structure Repair."

7. All steel pins shall be galvanized after fabrication in accordance with item 445, "Galvanizing."

8. Weight of barrier is approx. 700 lbs per foot.