NOTES:

1. Each upper stringer shall be a 1½" x 1½" perforated tube.
2. Each lower stringer shall be a 1¼" x 1¼" perforated tube, welded to the stringer and steel clamp and attached to the upper stringer using a ¾" diameter hex bolt with two 1½" diameter x ¾" thick washers and two hex nuts. Bolts shall be located near each end of the lower stringer.
3. Each clamp shall consist of smooth steel ¾" thick x 1½" wide, with a 5" nominal inside diameter. The engineer may require clamps with different diameters if a 5" diameter clamp will not adequately attach to a pole.
4. Each clamp shall be tightened by two ¾" x 3" hex bolts with 1½" threads and a single 1½" hex nut on each side. These bolts shall meet the requirements of ASTM A-325 and shall be galvanized in accordance with Sub-Section 607.2.02 of the Standard Specifications.
5. Each horizontal and vertical bolt through a stringer shall be ¾" dia, with two 1½" dia, x ¾" thick washers.
6. The stringers may be offset relative to the pole to improve the distance from the nearby roadway, as directed by the engineer.
7. All bolts, nuts and washers shall be cadmium plated.