

Area-Lighting Foundations Facilitate Renovation



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MANY cities and towns have recently undergone downtown face lifts. During 1983, city officials in Centralia, Missouri began plans for a major downtown renovation to improve sidewalks, curbs, and lighting. Project work began in 1988. We have already installed 68 of the 134 lights and foundations we will eventually place. Certain streets of 11 blocks in the downtown area will eventually have new lights, walks, and curbs.

To install the steel foundations, manufactured by Chance of Centralia, we used a three-man crew—an installing-truck operator, a crew member to plumb the galvanized steel foundations, and another crewman to monitor the distance of each foundation from the curb to ensure a straight line in relation to the curbs and other light locations. Actual installation

■ **STEEL foundations for new lighting standards are installed prior to placement of concrete sidewalk. Base of the foundation is flush with the concrete.**

took about ten minutes per foundation. Using this method, we were able to keep each foundation within plus or minus $\frac{1}{8}$ in. of our center line. The foundation base is flush with the concrete walk.

Our work method is to install five or six foundations. We then install the required conduit for these foundations and pour the concrete. We return the following day to mount the area-lighting standards. Typical foundation installing torque is 4,000 ft./lb. The highest installing torque we reached during the installation was 8,000 ft./lb.

The only obstacle we encountered during the installations involved one foundation that we installed through an old underground tank. We overcame the problem by pouring concrete into the tank void and around the foundation.

There is no question that using power-installed foundations is less expensive than concrete. The savings come in the speed of the installation. Once the crew establishes a pace, they can really move. Another aspect of the steel foundations we like is if we ever have a problem with the conduit, it will be easy to remove the light standard from the foundation and gain access to the problem through the hollow foundation.

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