

Design Standards Letter

Letter Number: G-1968-16

Letter Date: 05/24/1968

Effective Date: 07/01/1968

Section/Plan No.: None

Subject: Highway Lighting Revised Special Provision and Standard Drawings

Body

ALL DIVISION AND DISTRICT ENGINEERS AND CHIEF COUNSEL:

We are furnishing you several copies of a revised Special Provision on Highway Lighting and copies of revised Drawings 70.00 and 70.01.

The revisions on the special provision and standard drawings provide for the following:

1. All ground mounted lighting poles which are behind guard rail, which is installed for purposes other than protection of lighting poles, shall be installed with the face of the pole four (4) feet from the edge of the shoulder. These poles shall have a 30-foot shaft length and a 36-inch bracket arm rise. The mounting height of the slip-fitter above the pavement edge is 30 feet and this dimension will be attained by adjusting the bracket arm by means of bracket mounting plates on the shaft to compensate for the variable slopes encountered. Shafts will have handholes.
2. The contractor has an alternate of furnishing Butt Base Poles in lieu of the poles in Item 1, with a 36-foot shaft length, All other requirements of Item 1 being the same.
3. All ground mounted poles at the shoulder line shall have a 28-foot shaft length and an 18-inch bracket arm rise. These poles are to be mounted on a transformer base with the face of the transformer base flush with the shoulder line. The mounting height of the slip-fitter above the pavement edge is 30 feet, attained as in Item 1, to compensate for the variable shoulder slopes encountered. Shafts do not require handholes, as splices are performed in the transformer base.
4. All poles on bridge parapets have a 28-foot shaft length and a 12-inch bracket arm rise. Present bridge parapets of 2-feet 3-inch height will result in a 30-foot mounting height above pavement edge. Shafts will have handholes.

5. Poles mounted on structures other than bridge parapets, such as retaining walls will require special lengths.
6. Concrete foundations are not being used. Steel pile foundations are to be used for ground mounted poles as an alternate to butt base poles.
7. In general, bituminized fiber pull boxes are to be used in lieu of concrete pull boxes.

Implementation

All plans scheduled for the July, 1968 and later lettings and not yet submitted to this office should be revised in accordance with the above.

Plans already submitted will be revised in this office.

Leland D. Fletcher
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Surveys and Plans