

# Design Standards Letter

**Letter Number: G-1964-30**

**Letter Date: 06/17/1964**

**Effective Date: 06/17/1964**

**Section/Plan No.: None**

**Subject: Design Manual Highway Lighting**

## Body

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ALL DIVISION, DISTRICT AND URBAN ENGINEERS AND CHIEF COUNSEL

It will be necessary to revise Section 15.1 of the Design Manual to coordinate it with the Special Provisions for Highway Lighting, dated July, 1964, which were furnished you in accordance with General Letter No. 27, 1964.

The revision of Section 15.1.6.6.3 is necessitated by the changes in methods of measurement specified in Section 70.25 of the special provisions, and especially Section 70.25.3 regarding Conductor Cable, Wire and Cable-Conduit. It will be noted that the 5% differential between actual and plan quantities has been eliminated, and that these items will be plan quantities computed to the nearest 10 linear feet. Provisions for the correction of plan quantities, which includes changes authorized by the engineer, are covered in Section 9.1.1 of the Standard Specifications.

Until such time as revision of Section 15.1 can be completed, the following shall govern the computation of quantities:

"15.1.6.6.3 Computation of Quantities. The computation of quantities, and increments for measurement are in accordance with the specifications and the tabulation of bid items in Section XIV. The following rules apply to the items listed:

70041 and 70043 - Rigid Steel and Asbestos-Cement Conduit (In Trench) includes trenching and backfilling.

70070 through 70075 except 70072 - The length of each Conductor Cable and Neutral Wire, or of Cable-Conduit is computed as follows:

On Regulator Pole = 20' per circuit.

Regulator Pole to Lighting Pole, Lighting Pole to Lighting Pole or to Concrete Handhole = Center to center distance plus 5% for snaking.

In Lighting Pole = 5' for each connection.

In Concrete Handhole = 3' per run.

70072 - Single Conductor Pole and Bracket Cable is computed as two (2) (Mounting Height + Length of Bracket Arm)

The total plan quantity only, for each item is shown on the "B" sheets to the nearest ten (10) linear feet."

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