

Design Standards Letter

Letter Number: G-1964-07

Letter Date: 02/24/1964

Effective Date: 02/24/1964

Section/Plan No.: None

Subject: Specifications Highway Lighting and Signals

Body

ALL DIVISION, DISTRICT AND URBAN ENGINEERS AND CHIEF COUNSEL

We are furnishing you under separate cover several copies of revised special provisions for Highway Lighting and Traffic Signals.

The Special Provision for Highway Lighting was revised to make the following major changes, and will be inserted in all applicable contracts, beginning with the April, 1964 Letting.

1. Provide for three types of trenching and backfilling.
2. Require certification of materials for conductor cables, wire and cable-conduit.
3. Refer to IPCEA in lieu of ASTM for cable specifications.
4. Revised table for cable insulation and sheath thickness.
5. Provide for use of cable-conduit with necessary cable in lieu of direct burial cable.

A separate letter is being prepared to cover the use of cable conduit.

The Special Provision for traffic signals was revised to make the following major changes and will be inserted in all applicable contracts, beginning with the March Letting.

1. Delete reference to beam spans.
2. Delete requirements for Loop Detectors. Special provisions will be included by Main Office on project-to-project basis.

3. Section 71.10, Multi-Conductor Cable, was revised to permit use of commercially available 20-10 insulation and stranded copper conductors. The maximum outside diameter of signal cable was revised to permit use of different makes of cable meeting our specifications.
4. Section 71.13 was revised to make description for Power Supply Assembly more inclusive where secondary power is furnished for traffic signals and lighting.
5. Section 71.14.7 revised to eliminate fixed number of spare conductors to each signal head.
6. Revise method of measurement for conductor cable and conduit.

We are also furnishing you under separate cover, copies of a revised table for conduit and cable that is consistent with the revised specifications. These tables are to replace those you presently have.

Any plans that have not been submitted to this office should be revised in accordance with the new requirements.

L. V. McLaughlin
Engineer of Surveys and Plans