

Design Standards Letter

Letter Number: G-1969-43

Letter Date: 08/19/1969

Effective Date: 08/19/1969

Section/Plan No.: None

Subject: Instructions for Implementing 45' Mounting Heights for Highway Lighting

Body

ALL DIVISION AND DISTRICT ENGINEERS ~~AND CHIEF COUNSEL:~~

We are furnishing you herewith the following material to be used in implementing the 45' mounting heights for highway lighting:

1. Instructions for designing continuous lighted facilities.
 - a. Iso-footcandle templates for 250', 270' and 300' longitudinal spacings with 700 watt luminaries.
 - b. Photometric data and utilization curve for 700 watt luminaries.

Clear overlays for the iso-footcandle templates are available on request.

2. Instructions for designing basic lighted facilities.
3. Special Provision for 45' mounting heights.
4. Two special sheets for Highway Lighting Details

The new designs will be incorporated on new installations on which the lighting design has not been started. If a District wishes to use the present 30' mounting heights on a project, please give your reasons to this office prior to submitting plans. One reason that will receive special consideration will be that the plans have been completed or substantially completed.

The 45' mounting heights will be applied to existing safety projects when the lighting system must be rebuilt, such as on projects which presently have concrete poles. Existing metal poles will be modified with a transformer base in accordance with General Letter No. 12, 1968, unless the system should be rebuilt for other reasons.

Leland D. Fletcher
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Surveys and Plans