

Design Standards Letter

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Letter Date: 09/09/1965

Effective Date: 09/09/1965

Section/Plan No.: None

**Subject: Revised Special Provisions Revised Standard Drawings and Form SP-2
Special Sheet No. 1 and Form SP-8**

Body

ALL DIVISION, DISTRICT AND URBAN ENGINEERS AND CHIEF COUNSEL: :

We are furnishing you under separate cover several copies of the following revised Special Provisions, Standard Drawings, Special Sheet No. 1 and Forms SP-2 and SP-8.

SPECIAL PROVISIONS

Aggregate - Aggregate Base. Revised Section 31.5.1. to cover measurement of Types 1, 2, and 3 aggregate base material only.

Open Graded Base for Shoulders and Underdrains. Revised method of measurement to measure water and processing in accordance with Sections 31.5.2 and 31.5.3 and Type Four Aggregate Base Material in accordance with Section 35.5.2.

These special provisions will be effective with the November 4, 1965 letting.

STANDARD DRAWINGS

Drawings 70.12, 70.15, and 70.16 have been revised to change the titles from "Substation" to "Control Station" consistent with the current special provision on Highway Lighting.

Form SP-2 List of Standard Drawings

This form has been revised to delete the "New and Old" designations from Drawings 21.00, 21.10, 21.30, 21.31, 21.60, 21.61, and 43.10, to delete Drawings 53.10, 53.13, and 53.31, to revise the titles of Drawings 70.12, 70.15, and 70.16, and to add Drawing 72.70 Weight Station Signing.

Form SP-8 Computation Sheet for Culverts Under Excessive Fills

This form has been revised to provide for the concrete quantity per foot of box for those rigid frame structures with haunches. The method of computing the minimum length of A_3 and A_4 bars has been added. Finally, it should be noted that the number and length of F bars will be furnished by the Division of Bridges. An example of this form will be included in the Design Manual at an early date.

Special Sheet No. 1 Modified Culverts

Small copies of this sheet are not included in this transmittal; however, each District and the Urban office is being furnished with five reproducible prints. An example of this sheet will be included in the Design Manual at an early date.

The major revisions are as follows:

1. Space provided for the length of A1, A2, A3, and A4 bars.
2. Space provided for the size, number, and length of B bars.
3. Column for the dimension "Z" deleted.
4. Added formula for computing length of A3 and A4 bars.
5. Deleted Reinforcing Bar Cover in the Top Slab. This is now 1" clear as shown on the sketches.
6. Indicated the location of F bars on the modified and rigid frame box sections.
7. Revised the location of the permissible construction joint to 3" above the haunch and changed the minimum lap of A3 and A4 bars from 32 diameters to 24 diameters in the rigid frame box section.

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