

Design Standards Letter

Letter Number: G-1966-17

Letter Date: 05/09/1966

Effective Date: 06/30/1966

Section/Plan No.: None

Subject: Standard Drawings - New and Revised Special Provisions - Revised Form SP-2 - Revised Form SH-18 - Eliminated Form SP-38 - Revised

Body

ALL DIVISION AND DISTRICT ENGINEERS AND CHIEF COUNSEL:

We are furnishing you herewith several copies of the following Standard Drawings, Special Provisions, and Forms, all of which are effective beginning with the June 30, 1966 letting.

Standard Drawings

Drawing 60.00. This drawing has been revised to permit metal end sections of slightly different designs to be furnished. These revisions, because of space requirements, necessitated removing the flood gates and metal inlets which are now shown on Drawing 89.01. Drawing 60.00 now covers metal end sections only.

Drawing 71.03 and Drawing 71.06. The dimensions shown for the sign bracket assembly on these drawings were revised in accordance with the dimension change for the R3-5 series signs. Note nine of Drawing 71.03 and Note eight of Drawing 71.06 were revised to change 48" to read 42".

Drawing 72.03 (5 sheets). This drawing for ground mounting of signs has been reduced from six sheets to five sheets by consolidating Types A, B, and C sign panels on two instead of three sheets.

Sheet No. 1, covering concrete footing and structural steel posts, has been revised to eliminate any adjustment in the elevation of footings, to eliminate the three inch minimum projection above the slope on the high side, and to lower the elevation of the top of the footing so that the slope line intercepts the top center of the footing. This halves the additional height of footings for slopes and the revised additional depths are tabulated. Concrete footing quantities for estimating purposes are reduced by only the three-inch depth eliminated at the top. The preliminary copy of Design Manual Figure 15.39 furnished the District offices under date of April 25, 1966, covers the revised quantities. All footing depths are to be to the nearest three inches.

Sheet No. 2 has been revised to show a vertical sign clearance for design purposes six inches greater than the prescribed minimum to provide for construction adjustments. This is reflected in the table of dimensions based on the height of the upper sign.

Sheets No. 3 and 4 cover sheet increment signs Types A, B, and C. The tabulation of stringer spacing "X" and "Y", to the nearest 1/4 inch, has been added to a consolidation of the number and types of stringers with the design and minimum dimensions "V" from tops of signs down to tops of posts on Sheet No. Three. Sheet No. Four covers assembly details for the three types of signs.

Sheet No. Five has been renumbered only.

Plans already submitted will be revised in this office. All other plans should be revised before submittal.

Drawing 89.01. This is a new drawing covering flood gates and metal inlets which were previously shown on Drawing 60.00. No revisions have been made to the flood gates or metal inlets except to change the title of inlets from "Drop Inlet" to "Metal Inlet."

Special Provisions

Shear Connectors. This special provision has been revised to eliminate references to channels for shear connectors. Only approved stud shear connectors will be used in the future. The appendix to this special provision beginning on Page Six has not been revised except to add the sheet numbers.

Section 142 Highway Sign Materials. Page ten of this special provision has been revised to indicate optional methods of forming overlap splices of reflective sheeting.

Forms

Form SP-2 List of Standard Drawings. This form has been revised consistent with the above revisions. In addition, Drawings 70.17 through 70.23, which were previously furnished you, have been included on this revised form.

Form SH-18. In an attempt to avoid duplication of information transmitted on several forms, Form SH-18 is now void and the necessary data for programming should be submitted on Form SP-23. This consolidation of forms is in agreement with the discussion of the subject at the Highway Engineers' Association Meeting on February 7, 1966. The affected pages of the Design Manual will be revised at a later date.

Form SP-38. The dimensions and the R3-5 Series letter designations have been revised to conform with the revisions on Standard Drawings 71.03 and 71.06.

L.V. McLaughlin
Division Engineer

Surveys and Plans