

Design Standards Letter

Letter Number: G-1964-56

Letter Date: 11/05/1964

Effective Date: 11/05/1964

Section/Plan No.: None

Subject: Highway Signing Special Provisions and Standard Drawings

Body

ALL DIVISION, DISTRICT AND URBAN ENGINEERS AND CHIEF COUNSEL

Under separate cover, we are forwarding several copies of four sheets of revised special provisions, five revised standard drawings, and one tubular support design data sheet.

Special Provisions

Page 5. Section 72.2.6. Revised to include pressure sensitive as well as tack-free adhesive backing for reflective sheeting in accordance with manufacturers' recommendations.

Page 12. Section 72.2.13.2. Revised to clarify method of fabrication of tubular posts and beams, to coordinate it with Standard Drawings, and to require handholes and wire outlets for overhead sign supports whether or not sign lighting is included in the initial installation. (Designer to designate which post on data sheet).

Page 17. Section 72.4.5.4. The last paragraph, and Section 72.4.5.5 revised to make the application of clear finish or edge sealing of signs with reflective sheeting backgrounds optional with the manufacturers' recommendations.

Page 24. Section 146.2.4 and Section 146.2.5. Revised to be in accordance with revisions on page 17.

Standard Drawings

Standards 72.05, 72.06, 72.07 and 72.08 revised to provide 16' minimum vertical clearance from maximum pavement elevation to bottom of light bracket with maximum height of sign. This made possible the establishment of fixed differences in elevation above maximum pavement elevation to convenient points on beam or truss on Standards 72.05 and 72.06 since the beam or truss is adjustable up on the posts to obtain post length in multiples of 1'. On Standards 72.07 and 72.08 where the arms are in a fixed position below the tops of the posts, minimum differences in elevation have been established. ;Maximum sign heights have

also been fixed for the structures shown on Standards 72.07 and 72.08. It will be noted that the maximum sign areas for given spans and spreads on span types, and for "B" dimensions (centerline of pole to center of pressure of sign areas) on cantilever and butterfly types are not to be exceeded.

Conduit and grounding details for footings on the above Standard Drawings and on Sheet one of Standard 72.09 have also been revised.

Minimum vertical clearance would be increased to 17' if any of the above supports were to be used over an Interstate highway. Such use will be rare.

Tubular Support Design Data Sheet SP-34

This sheet has been revised to require handholes and blind half couplings on one post whether or not lighting fixtures are specified, to indicate that design is for maximum sign area and vertical clearance to lighting support bracket, and that lighting support brackets be furnished for signs initially installed when sign lighting is specified.

Sign lighting is to be specified for these overhead structures whenever a source of power is available.

These revised special provisions and drawings are effective upon receipt.

L. V. McLaughlin
Engineer of Surveys and Plans