

A GUIDE TO STANDARDIZED HIGHWAY LIGHTING POLE HARDWARE

PREPARED BY TASK FORCE No. 13

APRIL, 1980



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TASK FORCE No. 13
(STANDARDIZATION OF DETAILS FOR BRIDGE AND ROAD HARDWARE)

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ACKNOWLEDGEMENTS

The Task Force desires to express its thanks to the personnel in the State Highway Agencies who have assisted in the preparation of this guide through the submission of plans and their reviews of the guide in draft form.

Cooperation and assistance from the pole manufacturers and related industries and associations of the country has been extremely gratifying and much appreciated.

Finally, a special tribute is due Louis A. Garrido, Bridge Design Engineer; James C. Lorio, Electrical Design Engineer; Charles J. Meyer; Ronald D. Carter; Barry L. Langlois; and Loring Bacot of the Bridge and Structural Design Section of the Louisiana Department of Transportation and Development who carried the burden of coordination, design, and production of six drafts of the guide.

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INTRODUCTION

The Task Force has produced suggested standard details and specifications in this publication for those lighting pole items which are widely used and which have well defined service requirements.

The suggested details shown in Sections (SPS, SSA, APS, ASA, and PA) are intended to eliminate the small variations in pole components which prevent the interchangeability of functionally identical hardware items.

The poles listed in Section NFI are intended to provide flexibility in design and fabrication and are considered acceptable alternates where interchangeable components are of minor importance.

The Task Force believes that the designs suggested in this guide meet the requirements of the 1975 Edition of AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals; however, A DESIGNER WISHING TO USE A SUPPORT DESIGN SUGGESTED IN THIS GUIDE MUST ASSURE HIMSELF OF THE ADEQUACY OF THE DESIGN.

A potential problem of standardization is stagnation. The Task Force is aware of this problem and wishes to avoid this happening as a result of its activities. It therefore, invites comments on the contents of the guide and information on new developments in light pole design that can be used in preparing future editions of this guide.

SUGGESTED SPECIFICATION FORMAT

AASHTO lighting poles may be specified by the use of a standard system specification number and option suffixes.

The use of a standard system specification number will completely specify the following:

1. Wind Loading Design (80 mph or 90 mph)
2. Type of Material (Steel or Aluminum)
3. Mounting Height (30', 35', 40', 45', or 50')
4. Pole Shaft with Handhole, Pole Top, Arm Attachments, Anchor Base, or Breakaway Base
5. Luminaire Support Arm, Attachments, Bolts, and Washers
6. Type Anchors (Anchor Bolts, Nuts, and Washers)

The form of standard system specification numbers are as follows:

