

MODIFIED BY EI 84-044  
EFFECTIVE 2/21/85, EI 85-004  
EFFECTIVE 6/27/85 & EI 87-017  
EFFECTIVE 10/29/87

# ENGINEERING INSTRUCTION

NEW YORK STATE DEPARTMENT OF TRANSPORTATION

SUBJECT: STANDARD SIGN DRAWINGS FOR OVERHEAD  
SIGN STRUCTURES

**SUPERSEDED BY EI 87-038**  
**EFFECTIVE 1/28/88**

Subject Code: 7.27-0-644

Distribution:



Main Office



Regions

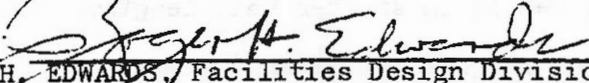


Special

Code: EI 83-4

Date: 1/19/83

APPROVED:

  
R. H. EDWARDS, Facilities Design Division

Supersedes: INSTR. NO.  
71-36 (5/18/71) and  
71-36.1 (7/6/71)

This Engineering Instruction transmits the following standard sign structure drawings:

SD644-1	Single Cantilever Sign Structure
SD644-2	Span Type Structure
SD644-3	Sign Brackets and Sign Structure Dampener
SD644-4	Type A Connection, Post Web Connections, Hand Hole and Wire Inlet
SD644-5	Type B Connection Details
SD644-6	Aluminum Components and Connection Details, Wiring Inlet and Arm Cap
SD644-7	Base Plate, Anchor Bolts and Post Caps

The following overhead sign structure drawings, which were issued by Instruction Number 71-36, are hereby superseded:

DOT S-49-71	Sign Brackets, Sign Structure Dampener
DOT S-60-74	Single Cantilever Sign Structure
DOT S-61-75	Span-Type Structures
DOT S-62-71	Bases, Caps and Connection Details
DOT S-63-71	Aluminum Components and Connection Details

Under separate cover we are transmitting one set of transparencies to be used as masters for local reproduction.

The new drawings are basically the same as the old drawings and are being issued for the following reasons:

1. Improved legibility.
2. Change the drawing numbering to conform to the system used by the Standard Specifications and Standard Sheets.

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3. Incorporate changes issued previously by note in the contract proposals.
  - a. Revised weld details for aluminum truss diagonals.
  - b. Connection details for rectangular posts.
  - c. Revised equivalent sizes.
4. New anchor bolt designs are used that result in shorter bolt lengths.
5. Additional optional connections between trusses and posts are added.
6. Details are added on sealing flange bolts with silicone sealant.

These standard drawings are not standard sheets and are to be inserted in the plans by the region when overhead sign structures are required. They become effective with the letting of May 19, 1983.