

**SUPERSEDED BY
EB 15-031
EFFECTIVE 9/28/15**



*New York State
Department of
Transportation*
**ENGINEERING
INSTRUCTION**

**EI
01-004**

**Title: §644 - OVERHEAD SIGN STRUCTURES PAY ITEMS SERIALIZED; CIRCULAR
FOOTING METHOD A**

Distribution:

- | | |
|---|--|
| ☒ Manufacturers (18) | ☒ Surveyors (33) |
| ☒ Main Office (30) | ☒ Consultants (34) |
| ☒ Local Govt. (31) | ☒ Contractors (39) |
| ☒ Regions/Agencies (32) | ☐ _____ () |

Approved:


P. J. Clark, Deputy Chief Engineer,
Design

02/09/01
Date

ADMINISTRATIVE INFORMATION. This Engineering Instruction (EI) is effective with projects submitted for the letting of July 5, 2001. It does not supersede any previous issuances.

PURPOSES. This EI issues a proposal insert to correct the pay items in §644 of the Standard Specifications of January 2, 1995. It also reminds designers and manufacturers the meaning of "double cantilever," items 644.02nn M, and eliminates a potential problem with the Circular Footings item.

IMPLEMENTATION. The Design Quality Assurance Bureau will insert the attached note into Proposals using items 644.01 M - 644.05nn M starting with the letting of July 5, 2001. Designers should serialize the item numbers for overhead sign structures in accordance with E.B. 99-008. The overhead sign structures's item numbers are like serialized Lump Sum numbers, except that if two structures have the same number, size (diameter), thickness (schedule), and length of arm or span, and the same post sizes, thicknesses and lengths, then there would be two structures with the same serialized item numbers. These serialized item numbers should be entered into the first column on the tables of Standard Drawings 644-1M2 and 644-2M2, as well as into the Engineer's Estimate.

Designers should use item numbers 644.01nn M for cantilever structures with an arm or arms coming out one direction, and item numbers 644.02nn M for cantilever structures with arms coming out two directions.

If Method B is to be used (either in contact documents or as a field change) then use the individual items for excavation, protection, concrete, etc.

TRANSMITTED MATERIALS.

- Proposal insert "Overhead Sign Structures Item Numbers Serialized; Circular Footing Method A"
- Figures depicting Single and Double Cantilever Sign Structures.

BACKGROUND. Serialization. Overhead sign structures standard pay items (numbers 644.01nn - 644.05nn) are serialized two digits. The standard notation for this serialization, "nn," was omitted from the *Standard Specifications Construction and Materials January 2, 1990*. This omission was carried over to the *Standard Specifications Construction and Materials January 2, 1995*.

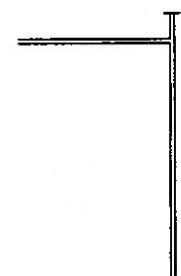
Dual Arms v. Double Cantilever. There has been some confusion between Double Cantilever Sign Structures, items 644.02nn M, and Single Cantilever Sign Structures with dual arms, items 644.01nn M.

Circular Footings. Item 644.10 M Circular Footings is intended for the contractor to bore a hole, position reinforcing and anchor bolts, and pour and cure concrete. No sheeting is required for this excavation. This is described as "Method A" on Standard Sheet M644-1. It was possible for engineers to specify item 644.10 M for circular footings using Method B, which requires forms, sheeting and more excavation.

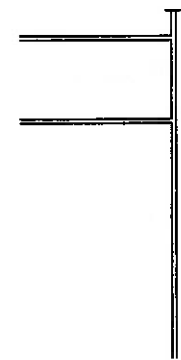
CONTACT. For questions on the proposal insert or overhead sign structure terminology, call Richard Marriott of the Design Quality Assurance Bureau at (518) 457-6393. If you need serialized item numbers higher than those already in the system, call Raymond Hennessy at (518) 457-4092.

Some Examples of -

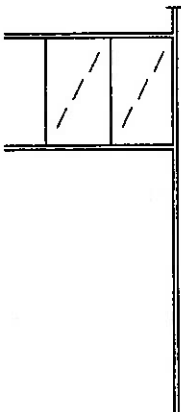
SINGLE CANTILEVER



Single Arm

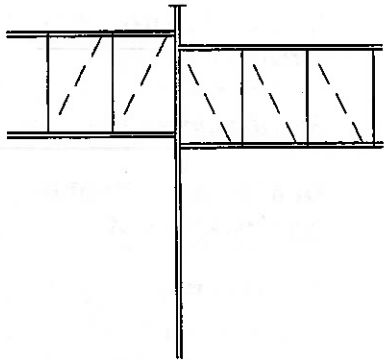
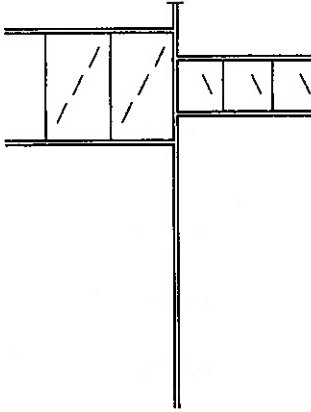
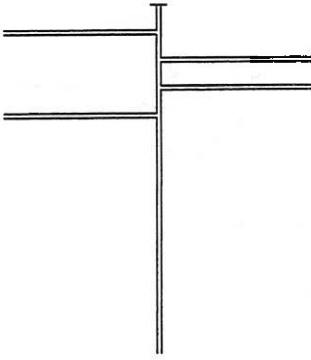
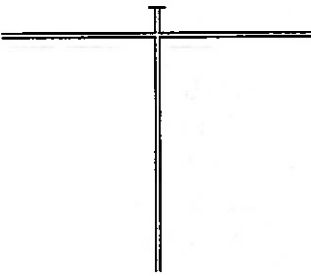


Untrussed
Double-arm
(or Dual-arm)



Trussed
Double-arm
(or Dual-arm)

DOUBLE CANTILEVER



Trussed
Double-arm
(or Dual-arm)

**OVERHEAD SIGN STRUCTURES ITEM NUMBERS SERIALIZED;
CIRCULAR FOOTING METHOD A**

Make the following change to the Standard Specifications of January 2, 1995:

page 6-142

Lines 17 & 30: Insert "**Method A**" between "**Footings**" and ".".

Lines 36 - 40: Insert "nn" in the item numbers immediately before "M".

Replace **line 41** with the following:

"644.10 M Circular Footing Method A Cubic Meter".

Add the following after **line 42:**

"Note: nn denotes serialized pay item. See §101-53 and the Standard Drawings."