

SECTION S646 - DELINEATOR

S646-1 DESCRIPTION

Work consists of furnishing and installing new delineators, relocating, replacing or removing existing delineators, as required in Contract Documents and as directed by Project Manager.

References to NYSDOT specifications are to be in accordance with latest edition of *NYSDOT Standard Specifications (US Customary Units)*.

S646-2 MATERIALS

S646-2.01 Delineator - General

Delineator is to be two-piece yellow flexible tubular post with self-locking system in accordance with Safe-Hit Type 3 channelizer as manufactured by Safe-Hit, or approved equivalent.

Delineator post is to be manufactured from durable low density non-discoloring polyethylene plastic with ultraviolet inhibitors that is capable of maintaining its structural integrity and being able to rebound back to vertical despite repeated vehicular impacts.

Delineator post is to be round in shape, 2-1/4 inch diameter, and supplied in variable lengths. Delineator post is to be supplied with 1-3/4 inch diameter reinforcement tube installed within lower portion of post.

S646-2.02 Delineator – Pavement Anchor

Delineator post is to be supplied with open-end tubular galvanized metal anchor that features twist-lock system. Anchor system is to be such that existing delineator post can be manually removed from and new delineator post installed directly into existing anchor without any further construction required.

Anchor is to be supplied in variable lengths.

S646-2.03 Delineator – Surface Mount

Delineator post is to be supplied with thermoplastic base that features either twist-lock or pin-lock system.

Base is to be secured to pavement area with conpressive epoxy for permanent installation, butyl pad or mechanical anchors for non-permanent installation.

S646-2.04 Delineator – Soil Anchor

Delineator post is to be supplied with drivable tubular galvanized metal anchor that features twist-lock system. Anchor system is to be such that existing delineator post can be manually removed from and new delineator post installed directly into existing anchor without any further construction required.

Anchor is to be supplied in variable lengths.

S646-2.05 Reflective Sheeting

Reflective sheeting is to be silver high intensity reflective sheeting in accordance with Federal Highway Specification FP-92, Type III, Class 2.

Reflective sheeting is to be 3 inches by 6 inches, and provide 360° visibility by being applied completely around delineator post.

S646-3 CONSTRUCTION DETAILS

S646-3.01 Delineator Installation

Delineator including anchoring/mounting system is to be installed in accordance with manufacturer's instructions. Delineator to be centered 2 feet off face of curb or back edge of concrete gutter.

S646-3.02 Relocate Existing Delineator

Existing delineator including anchoring/mounting system is to be removed and reinstalled in such a manner that existing materials are not damaged. Any existing materials that are damaged are to be replaced in kind. Existing anchoring/mounting system is to be cleaned of all extraneous materials before being reinstalled. Area where existing anchoring/mounting system has been removed is to be restored as required, and any excavation backfilled.

S646-3.03 Replace Existing Delineator

Existing delineator is to be removed and disposed of, and new delineator installed. Existing anchoring/mounting system that is damaged, it is to be replaced in kind.

S646-3.04 Remove and Dispose Existing Delineator

Existing delineator including anchoring/mounting system is to be removed and disposed of. Area where existing anchoring/mounting system has been removed is to be restored as required, and any excavation backfilled.

S646-4 METHOD OF MEASUREMENT

Quantity to be measured for payment will be number of delineators installed, relocated, replaced or removed.

S646-5 BASIS OF PAYMENT

S646-5.01 General

Unit price bid for all items includes cost of: excavation and backfill; and furnishing all labor, material and equipment necessary to complete work.

S646-5.02 Delineator

Unit price bid also includes cost of: furnishing and installing delineator, including anchoring/mounting system.

S646-5.03 Relocate Existing Delineator

Unit price bid also includes cost of: removing and reinstalling existing delineator and anchoring/mounting system; furnishing and installing new anchoring/mounting system if required.

S646-5.04 Replace Existing Delineator

Unit price bid includes cost of: removing and disposing existing delineator; furnishing and installing new delineator; furnishing and installing new anchoring/mounting system if required.

S646-5.05 Remove Existing Delineator

Unit price bid also includes cost of: removing and disposing existing delineator and surface mounting system.

Payment will be made under:

ITEM NO.	ITEM	PAY UNIT
S646.0101	Delineator – Pavement Anchor	Each
S646.0102	Relocate Existing Delineator – Pavement Anchor	Each
S646.0103	Replace Existing Delineator – Pavement Anchor	Each
S646.0201	Delineator – Surface Mount	Each
S646.0202	Relocate Existing Delineator – Surface Mount	Each
S646.0203	Replace Existing Delineator – Surface Mount	Each
S646.0301	Delineator – Soil Anchor	Each
S646.0302	Relocate Existing Delineator – Soil Anchor	Each
S646.0303	Replace Existing Delineator – Soil Anchor	Each
S646.04	Remove and Dispose Existing Delineator	Each

REVISED December 1, 2015