

B705 – FLEXIBLE DELINEATOR POSTS – OPSS 705705.1 GENERAL

Much like post mounted delineators, flexible delineator posts are installed adjacent to the travelled portion of the roadway in series to guide drivers by describing the horizontal alignment of the roadway and identifying its limits. Flexible delineator posts are supplementary guidance devices that remain visible during periods when roads are wet and / or snow covered. Flexible delineator posts can also be used for channelization purposes. Typically, additional signing is not attached to flexible delineator posts.

Generally, flexible delineator posts are used for temporary delineation and channelization applications and are installed at locations where repeated impacts would be reasonably expected to occur. The use of flexible delineator posts may also be appropriate for use in unique permanent applications.

705.2 REFERENCES

Ontario Traffic Manual Book 6 – Warning Signs  
Ontario Traffic Manual Book 7 – Temporary Conditions  
Ontario Traffic Manual Book 11 – Markings and Delineation

705.3 TENDER ITEMS

Flexible Delineator Post - Permanent (variation)  
Flexible Delineator Post - Temporary (variation)  
Flexible Delineator Post - Relocation (variation)

705.4 SPECIFICATIONS

The requirements for Post Mounted Delineators are contained in OPSS 705.

705.5 SPECIAL PROVISIONS

Refer to Chapter “E” of this manual to review the applicable standard special provisions.

### 705.6 STANDARD DRAWINGS

Applicable standard drawings are contained in the 900 series of the Ministry of Transportation of Ontario Drawings (MTOD).

### 705.7 DESIGN

Design considerations including need, location, and spacing for flexible delineator post installation should be determined through discussion with the Regional Traffic Section in conjunction with the guidance for post mounted delineators found in Books 6, 7, and 11 of the Ontario Traffic Manual.

In general, flexible delineator posts should be used sparingly in order to maximize their visual impact.

The location and proximity of flexible delineator posts to the edge of travelled way or edge of shoulder should be considered with respect to impact on and impact from winter maintenance operations. Flexible delineator posts should not be placed in locations that will hinder snow removal operations nor should they be placed in locations where they will be exposed to a high incidence of impacts from snow removal equipment.

### 705.8 COMPUTATION

These are Plan Quantity Payment items.

The quantity is based on each completed installation.

The unit of measurement for flexible delineator posts is each.

### 705.9 DOCUMENTATION

Show the location and post spacing for each run of flexible delineator posts on the contract drawings with the appropriate MTOD number for permanent, temporary, and relocated flexible delineator posts. Also indicate the type of post required (i.e. Type A or Type B) adjacent to the symbol.

Flexible Delineator Post - Temporary – this item pays for the supply and removal of the units. The total cannot exceed the largest number of units in place at any one time during the contract.

Flexible Delineator Post - Relocation – this item is comprised of all relocations during the contract.

The tender items are variation items. A separate column on the quantity sheets is required for each variation to indicate the type of flexible delineator post: Type A (Fixed Surface Mount Base) or Type B (Driveable Soil Anchor Base). Flexible delineator post quantities and locations are indicated on the “Quantities-Miscellaneous” sheets under the appropriate column heading, showing station to station limits and location, left or right of centerline and offsets where required. Each column is totalled, added together, and transferred to the tender document.

Please refer to the following two examples when calculating the quantities for temporary installations:

**Example 1:**

| Stage | Posts Installed | Flexible Delineator Post - Temporary | Flexible Delineator Post - Relocation |
|-------|-----------------|--------------------------------------|---------------------------------------|
| 1     | 500             | 500                                  | 0                                     |
| 2     | 400             | 0                                    | 400                                   |
| 3     | 600             | 100                                  | 500                                   |
| Total | NA              | 600                                  | 900                                   |

**Example 2:**

| Stage | Posts Installed | Flexible Delineator Post - Temporary | Flexible Delineator Post - Relocation |
|-------|-----------------|--------------------------------------|---------------------------------------|
| 1     | 500             | 500                                  | 0                                     |
| 2     | 400             | 400                                  | 0                                     |
| 3     | 600             | 0                                    | 600                                   |
| Total | NA              | 900                                  | 600                                   |

Example 2 is essentially the same as Example 1; however, for Example 2, the posts from Stage 1 are not available for use in Stage 2. As a result, there are a total of 900 posts installed at one time in Example 2, while in example 1, the total installed at one time is 600.

705.9.1 Documentation Accuracy

Stations are recorded to the nearest whole metre, offsets are recorded to the nearest 0.1 m, and quantity entries to the number of units required.