

SECTION 420 -- DELINEATORS

420.01 -- Description

1. The Contractor shall furnish and install roadside delineator units in accordance with the details shown in the plans. A delineator unit shall consist of round, acrylic plastic, prismatic reflector(s) mounted on a post. The delineator unit shall be installed at the locations shown in the plans or designated by the Engineer.

2. The prismatic reflectors to be installed on the delineator shall be as follows:

- a. Delineators, Type I -- One circular prismatic reflector and post.
- b. Delineators, Type II -- Two circular prismatic reflectors mounted vertically on the same side of the post.
- c. Delineators, Type III -- Two circular prismatic reflector units mounted back-to-back on a single post.

3. Flexible post delineators shall be installed with one or two 3-inch wide by 9-inch long micro-prismatic reflecting sheeting plates as shown in the plans.

4. Reflectors on the left side of divided streets and highways and one-way roadways shall be yellow in the direction of travel. All other reflectors shall be white.

5. Chevrons are usually Manual on Uniform Traffic Control Devices, W1-8 (18"x24") (450 mm x 600 mm) or as indicated in the plans.

420.02 -- Material Requirements

1. All reflectors for delineators and all flexible delineator posts shall be on the NDR Approved Products List.

2. Before ordering any materials, the Contractor shall submit, for approval, the manufacturer's name and identifying information on the proposed delineator unit. There shall be no substitution subsequent to approval without the prior written permission of the Engineer.

3. Flexible Delineator Posts

a. The post material shall be rubber, plastic, or any other material which meets physical test requirements and results in little or no damage to impacting vehicles.

b. The post shall be black.

c. The top 11 inches (275 mm) of the post shall be flattened to approximately a 3-inch (75 mm) width to provide surfaces to mount reflectors.

d. A piece of white or yellow (as required by the plans) reflective sheeting, no smaller than 3 inches x 9 inches (75 mm x 225 mm) shall be placed no more than 2 inches (50 mm) from the top of the post.

e. The reflective sheeting shall be ASTM D 4956 Type IV or V reflective sheeting.

4. The materials used shall conform to the requirements of Sections 1070 and 1072.

5. Steel posts shall conform to the requirements of Subsection 1071.02.

6. The highway signs and reflectors shall also conform to the requirements of Sections 1070 and 1072.

7. The Department will provide the chevrons which are to be mounted on delineator posts.

420.03 -- Construction Methods

1. a. The normal mounting height is shown in the Standard Plans or the contract plans. However, the Engineer may require other mounting heights.

b. All posts on which chevrons are mounted shall be metal posts.

c. When required, the chevron will include the delineator reflector.

2. Flexible posts shall be anchored using a galvanized anchor that is recommended by the manufacturer for the soil type at the installation location.

420.04 -- Method of Measurement

1. "Delineator, Type _____" will be measured by the each.
2. Flexible post delineators are measured by the each.
3. Chevrons are measured by the each per post regardless of their size. If a post requires two chevrons, it will be treated as one for payment.

420.05 -- Basis of Payment

- | 1. Pay Item | Pay Unit |
|--------------------------|-----------------|
| Delineator, Type _____ | Each (ea) |
| Flexible Post Delineator | Each (ea) |
| Install Chevron | Each (ea) |
2. Payment is full compensation for all work prescribed in this Section.