MICHIGAN

DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION

FOR

**COLLAPSIBLE BOLLARD**

BAY:DG 1 of 2 APPR:SCK:REL:02-10-25

**a. Description.** This work consists of furnishing and installing a collapsible bollard at the locations specified on the plans.

**b. Materials.** Furnish collapsible bollards of the styles listed below, or an approved equal. Ensure bollard components meet the requirement of *ASTM A500/A500M* or *ASTM A36/A36M* steel and a minimum hot-dip galvanized coating weight of 0.90 ounces per square foot on both the inside and outside surfaces in accordance with *ASTM A123/A123M*.

MaxiForce Collapsible Bollard [MC-SP-SS2-U]

Blue Ember Technologies, LLC

7560 Main Street

Sykesville, MD 21784

1-410-552-9888

http://www.maxiforcebollards.com

TrafficGuard® Single Post [LPHDHB]

TrafficGuard® Direct, Inc.

P.O. Box 201

Geneva, IL 60134-9946

1-877-727-7347

http://www.trafficguard.net

Belson Outdoors model BCB-30

Belson Outdoors, Inc

627 Amersale Drive

Naperville, IL 60563

1-800-323-5664

<www.belson.com>

Ensure the bollard sections are assembled with stainless steel, corrosion resistant pins and anchor bolts.

Existing locks will be reused for new bollards.

**c. Construction.** Assemble and install bollard components per the manufacturer’s recommendations.

Submit bollard specifications and shop drawings to the Engineer for approval a minimum of 14 days prior to ordering any materials. Do not order any materials until approval is received from the Engineer.

Ensure the surface finish is yellow and coated per manufacturer’s recommendations.

Ensure any coated surface that has been damaged during shipping or assembly is repaired per the manufacturer’s recommendations.

**d. Measurement and Payment.** The completed work, as described, will be measured and paid for at the contract unit price using the following pay item:

**Pay Item Pay Unit**

Collapsible Bollard Each

**Collapsible Bollard** includes furnishing and installing the collapsible bollard complete and in place including all work and materials for preparing shop drawings and construction of the base footing per the manufacturer’s specification into the pedestrian path, and other appurtenances required to install the bollard.