

DEPARTMENT OF TRANSPORTATION

STATE OF GEORGIA

SPECIAL PROVISION

ATLANTA BELTLINE

NORTHEAST TRAIL SEGMENT 2, PHASE 2

Section 900—Bollard

Add the following:

900.1 General Description

This Work includes furnishing and installing outdoor furniture as shown on plans, and shall include, but is not limited to, the following components:

A. Bollard

900.1.01 Definitions

A. ADA-ABA Guidelines:

1. U.S. Architectural & Transportation Barriers Compliance Board's "Americans with Disabilities Act (ADA) Accessibility Guidelines for Buildings and Facilities; Architectural Barriers Act (ABA) Accessibility Guidelines."

B. Referenced Documents:

1. ASTM A 240
2. ASTM A 240M
3. ASTM A 276
4. ASTM A 500
5. ASTM A 666
6. ASTM F 593

900.1.02 Related References

A. Standard Specifications

1. Section 441- Miscellaneous concrete
2. Section 500- Concrete structures
3. Section 853- Reinforcement and tensioning steel

900.1.03 Submittals

A. Product Data

For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, finishes, field-assembly requirements, and installation details.

B. Shop Drawings

Show fabrication and installation details for bollards and removable bollards.

Section 754 – Outdoor Furniture

C. Samples

For metal bollard, with indicated finish

900.1.04 Quality Assurance

A. Regulatory Requirements

Comply with applicable provisions in ADA Accessibility Guidelines

Add the following:

900.2 Materials

Furnish only new materials and equipment for this work. Subject to compliance with requirements, provide the following or equal:

A. Bollards:

1. Basis-of-Design product: Beltline Standard Bollard
2. Description: 7"x7"x36" high stainless steel metal bollard
 1. Type: Fixed bollard with 1'-6" bollard sleeve set in a concrete footing.
 2. Hardware: Stainless steel fasteners
 3. Options: Beltline standard engineer grade reflective vinyl decal
 4. Finish: Beltline standard #4 stainless steel matte finish

Add the following:

900.3 Construction Requirements

This Work includes furnishing and installing bollards as shown on plans, and shall include, but is not limited to, the following components:

Add the following:

900.3.03 Preparation

Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

Owner shall approve all locations and layouts of each piece of furniture prior to permanent installation.

Add the following:

900.3.005 Construction

A. Installation

Comply with manufacturer's written installation instructions, unless more stringent requirements are indicated. Complete field assembly of bollards, where required.

Unless otherwise indicated, install bollards after landscaping and paving have been completed.

Install bollards level, plump, true, and securely anchored at locations indicated on Drawings.

B. Cleaning

After completing site furnishing installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

Section 754 – Outdoor Furniture

900.3.06 Quality Acceptance

Obtain each bollard through one source for a single manufacturer.

Add the following:

900.4 Measurement

The accepted furniture quantities are measured per each fixture in place in the completed work.

900.5 Payment

Bollards are paid for at the unit price bid per each unit complete and in place as specified. The payment is full compensation for all excavation, furnishing and installation of each unit, including preparation of concrete footing, disposal of excavated materials, and the cost of furnishing all tools, safety devices, labor, equipment and all other necessary items to complete the work.

Payment will be made under:

Item No. 900	Bollard	Per Each
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End of Section 900