

Part II
Division 12
Furnishings

SECTION 12 93 00

SITE FURNISHINGS

DRAFT

1 PART 1 GENERAL

1.1 DESCRIPTION:

- A. Bidding requirements, conditions of the contract and pertinent portions of sections in Division One of these specifications, apply to the section as fully as though repeated herein.
- B. Work under this section includes furnishing and installing
 - 1. Bicycle racks: Bike Hitch and Rolling Bike Rack (three 3H and one 4H style)
 - 2. Granite benches
 - 3. Metal bollards
- C. Related work:
 - 1. Section 31 05 12, Site Earthwork.

1.2 SUBMITTALS:

- A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification Sections.
 - 1. Bicycle Racks:
 - a. Product Data: Include physical characteristics such as shape, dimensions, bicycle parking capacity and finish for each bicycle rack.
 - b. Shop Drawings: Show installation details for each bicycle rack.
 - c. Samples for Verification: Submit finish samples for review and verification.
 - d. Maintenance Data: For each bicycle rack. Include recommended methods for repairing damage to the finish.
 - 2. Granite Benches:
 - a. Submit shop drawings including installation.
 - 3. Metal-Concrete Filled Bollards:
 - a. Submit shop drawings including installation.

1.3 DELIVERY, STORAGE AND HANDLING:

- A. Package, handle, deliver and store site furnishings at the project site in a manner that will avoid damage.

B. Bicycle racks:

1. Upon delivery, before signing for shipment, inspect for any damages and notate on the B.O.L.
2. Store bicycle racks in original undamaged packages and containers until ready for installation.
3. Handle bicycle racks with sufficient care to prevent any scratches or damage to the finish.
4. Damaged bicycle racks shall not be installed; damage to paint finish shall be inspected by Project Landscape Architect before installation. Project Landscape Architect reserves the right to reject bike racks when damage to paint finish is significant and not suitable for touch up paint.

1.4 QUALITY ASSURANCE:

A. Bicycle racks:

- a. Installer Qualifications: An experienced installer who has completed installation of bicycle racks similar in material, design, and extent to that indicated for this project and whose work has resulted in construction with a record of successful in-service performance.
- b. Manufacturer Qualifications: A firm experienced in manufacturing bicycle racks similar to those required for this project and with a record of successful in-service performance.
- c. Source Limitations: Obtain each color, finish, shape and type of bicycle rack from a single source with resources to provide components of consistent quality in appearance and physical properties.
- d. Product Options: Drawings indicate size, shape and dimensional requirements of bicycle racks and are based on the specific system indicated.

1.5 WARRANTY:

- A. Bicycle racks shall carry a one year manufacturer's limited warranty against defects in materials and workmanship. The one year warranty period begins the date the product is shipped from the manufacturer.

2 PART 2 PRODUCTS

2.1 MANUFACTURER:

- A. Bike rack listed as follows as provided by DERO BIKE RACK CO., 2657 32nd Avenue S, Minneapolis, MN 55406, 1-888-337-6729. Fax: 612-331-2731. Website: www.dero.com. Products of other manufacturers may be considered subject to compliance with requirements as judged solely by Landscape Architect.
- B. Granite benches listed as follows as provided by Fletcher Granite Company, 534 Groton Road, Westford, MA 01886 1-800-253-8168. Fax: 978-251-8773. Website:

www.fletchergranite.com. Products of other manufacturers may be considered subject to compliance with requirements as judged solely by Landscape Architect.

2.2 MATERIALS:

A. Bicycle Racks:

1. Bike Hitch, in City Right-of-Way on Congress Street
 - a. Center beam: 2" schedule 40 pipe.
 - b. Ring: 1.5" OD 11 gauge tube.
 - c. Part is prepared for painting with hard sandblasting. An epoxy primer is electrostatically applied. A final TGIC, UV resistant polyester powder coat is applied. Final coating thickness shall be no less than 6 mils. Color: RAL 6012 Tiger Drylac USA, Inc – Green
2. Rolling Bike Rack, on project site
 - a. 2.375" OD Schedule 40 Pipe per ASTM A53.
 - b. In ground Rolling Racks have a 3/8" x 3" steel rod welded to the bottom to ensure the rack doesn't pull out after the concrete cures.
 - c. Part is prepared for painting with hard sandblasting. An epoxy primer is electrostatically applied. A final TGIC, UV resistant polyester powder coat is applied. Final coating thickness shall be no less than 6 mils. Color: Bronze.

B. Granite benches

1. All granite shall be of standard architectural grade, free of cracks, seams, or starts, which may impair its structural integrity or function, color or other visual characteristics indigenous to the particular material. Texture and finish shall be within the range of samples approved by the project Landscape Architect.
2. Color shall be Jonesboro Red.
3. Fabrication shall consist of the following tolerances:

Dimensional Tolerance

Bench Thickness	± ¼ inch
Location of holes for anchor pins	± ¼ inch
Hole depth for anchor pins	± ¼ inch

Flatness Tolerance

Sawn	± 1/8 inch
Thermal	± 3/16 inch
Split Face	± 1 inch

C. Metal bollards:

- a. The Contractor shall provide 6" diameter concrete filled steel pipe bollards as shown and detailed on plans.

- b. Concrete to be raised for proper run-off.
- c. Bollard to be painted with OSHA Yellow Rust Preventative paint, minimum of two coats.

3 PART 3 EXECUTION

3.1 INSTALLATION

A. Bike Rack

- 1. Contractor shall install bike rack as shown on drawings in accordance with manufacturer's requirements.
- 2. Protect finish surface of bike rack during installation and placement of concrete pad.
- 3. Installation Method: In-ground mount is embedded into concrete base.
- 4. It is the responsibility of the installer to ensure that all base materials into which the rack will be installed can support the rack and will not be damaged by any required installation procedures.

B. Granite bench shall be fabricated and installed in accordance with the plans and specifications in the quantities as shown on the drawings.

C. Metal-Concrete Filled Bollards: Contractor shall construct and install concrete filled steel bollards in location and as detailed on the Drawings.

...END OF SECTION 12 93 00