

Cooperative Agreement Number H3400040003  
Page 20 of 20

**ARTICLE XVI - SIGNATURES**

IN WITNESS THEREOF, the parties hereto have executed this Agreement on the date(s) set forth below:

**FOR THE NATIONAL PARK SERVICE**

\_\_\_\_\_  
Terry Carlstrom, Regional Director  
National Capital Region

\_\_\_\_\_  
Date

\_\_\_\_\_  
Thomas M. McConnell, Contracting Officer  
National Capital Region

\_\_\_\_\_  
Date

**FOR THE DISTRICT OF COLUMBIA DEPARTMENT OF TRANSPORTATION**

\_\_\_\_\_  
Director

\_\_\_\_\_  
Date

**FOR THE UNION STATION REDEVELOPMENT CORPORATION**

\_\_\_\_\_  
President

\_\_\_\_\_  
Date

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\_\_\_\_\_  
Director

9/30/04  
\_\_\_\_\_  
Date

**FOR THE UNION STATION REDEVELOPMENT CORPORATION**

\_\_\_\_\_  
President

Date \_\_\_\_\_

Attachment A

Scope of Work:

Repair and Restoration of Memorial Fountains and Systems for Columbus Plaza

Reservation # 334

Massachusetts Avenue & First Street NE

Washington, DC

National Park Service

National Capital Parks – Central

900 Ohio Drive SW

Washington, DC 20024

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## I. Location and Description of Memorial

National Park Service (NPS) Reservation # 334 is comprised of approximately 62,400 square feet of open brick-paved plaza containing the Christopher Columbus Memorial Fountains (Memorial) and the Freedom Bell. This land reservation, referred to as Columbus Plaza, is bounded by Massachusetts Ave. NE on the south, Union Station to the north and First Street NE approximately on the northwest. Several travel lanes for transit bus, tour service, taxis and Union Station passenger pick-up and drop-off separate Columbus Plaza from Union Station. The Memorial was dedicated on June 8, 1912, and the Freedom Bell, a replica of the historic Liberty Bell in Philadelphia, PA, was a marker of the United States Bicentennial Celebrations and donated and placed in Columbus Plaza in 1981.

The Memorial includes one primary larger fountain and monument and two smaller side fountains. Each is constructed of marble and operates on one electrical and pumping system. The primary fountain consists of a central shaft, two carved lions, three high relief carvings, a portrait of Christopher Columbus and two semicircular water pools. The east and west sides of the shaft have allegorical figures, and the north side of the shaft is adorned with a three (3) foot diameter medallion. See Figure 1-1.

The primary fountain and monument measures 67 feet wide (east to west) and 64 feet 6 inches deep (north to south). The foundation for the primary fountain and monument is constructed of reinforced concrete girders and slabs. This base rests on concrete piles driven between 34 and 45 feet deep. The primary fountain consists of two pools; water is pumped to the upper pool through eight (8) spouts, and cascades to the lower pool. The fountain is designed to re-circulate the water. The water is supplied to the primary fountain by a gallon/minute (gpm) pump, through an eight (8) inch diameter pipe. The water is returned to the pump through an eight (8) inch diameter pipe. Each pool is equipped with a four (4) inch drain to drain the fountain. The bowls are lined with a fiberglass protective liner.

An existing pump and electrical pit houses the two-motor, two-pump system. The pit is in disrepair and has not been upgraded appreciably since its installation 1938, and requires frequent maintenance. The two pumps are inter-connected, with one serving the two side fountains and the second serving the central, primary fountain.

## II. Summary of Work

### A. Retrofit existing pit, electrical and pumping system.

1. Overhaul of existing pit structure to include demolition and re-establishment of the pit. Design compliant to Occupational Safety and Health Administration (OSHA) Confined Space requirements. Non-permit required OSHA confined space compliant, if feasible.
  - a. Replace concrete slab ceiling.
  - b. Waterproof refurbished pit, including repaint floor, walls, and ceiling with waterproofing epoxy.
  - c. Replace access panel.
2. Remove and replace pumping system with modern, more cost-effective and sustainable re-circulating system. Replace galvanized iron pump system piping with poly(vinyl chloride) (PVC) or copper piping.
3. Replace and upgrade electrical system associated with pump system, including wiring, exhaust fan, panel board(s), contactor, time clock and motor controls.



Replace with more water resistant housing and system. Move electric meter to exterior location at perimeter of the NPS property.

4. Power source and controls for park and street lighting on NPS lands should be moved from existing external source and controls and be rerouted to feed from electrical system through NPS mechanical pit.

B. Expand Existing Irrigation System

1. Up-grade existing irrigation system, including installation of additional water lines, water valves and quick-couplers.

C. Refurbish Two Side Fountains

1. Clean and repair existing stone work, including any necessary raking, re-pointing and stone replacement.
2. Install new pool liner, epoxy or other materials to best standard available.

D. NPS Review: NPS shall review design specifications at 30%, 90%, 100% and final design phases.

E. Standards

1. Contractor shall furnish, install, and test all NPS-approved equipment and materials, per Section C of this scope of work, for the electrical, pumping, irrigation and mechanical pit systems.
2. Contractor shall patch, repair, paint, and clean all areas and or surfaces affected by the work conducted under this scope of work.
3. Conduct the acceptance testing to demonstrate that the electrical, pumping, irrigation and mechanical pit systems are capable of powering and operating the equipment without interruption. The test shall be witnessed by the NPS and DDOT.
4. Upon completion of the testing and demonstration, contractor shall submit to NPS as-built drawings and operations/maintenance manuals and contractor shall provide to NPS user training for NPS technical personnel.
5. Contractor shall warrant all work to be free from material and workmanship defects for a period of one (1) year from date of acceptance.

C. Coordination: All plans for construction schedules/phasing, staging areas and work zones associated with this scope of work must include maximum safe and open pedestrian access within the plaza and must be coordinated with the NPS. NPS shall have the opportunity to comment and approve the proposed work plan and materials prior to construction.

D. Construction Facility and Temporary Controls

All work will comply with the following Federal Acquisition Regulations:

1. FAR Clause 52.236-9 - Protection of Existing Vegetation, Structures, Equipment, Utilities, and Improvements
2. FAR Clause 52.236-10 - Operations and Storage Areas
3. FAR Clause 52.236-14 - Availability and Use of Utility Services

E. Materials and Equipment

All work will comply with the following Federal Acquisition Regulations:

1. FAR Clause 52.236-14 – Material; and Workmanship

III. Quality Requirements

A. Testing and inspection services may be required to verify compliance with requirements specified or indicated. These services do not relieve Contractor responsibility for compliance with other requirements.

1. Specific quality control requirements for individual construction activities as specified in the sections of this scope of work may also cover production of standard products.
2. Requirements for Contractor to provide quality control services as directed by Contracting Officer's Representative or authorities having jurisdictions are not limited by provisions of this Section.

B. Contractor Submittals to NPS and DDOT

1. Qualification data: For testing agencies specified in "Quality Assurance" Article to demonstrate their capabilities and expertise. Include proof of qualifications in the form of a recent report on the inspection of the testing agency by a recognized authority.
2. Delegated-Design Submittal: In addition to shop drawings, product data, and other required submittals, submit a statement, signed and sealed by the responsible design professional, for each product and system specifically assigned to Contractor to be designed or certified by a design professional, confirming that the products and systems are in compliance with performance and design criteria indicated. Include list of codes, loads, and other factors used in performing these services.
3. Reports: Prepare and submit certified written reports that include the following:
  - a. Date of Issue.
  - b. Project title and number.
  - c. Name, address, and telephone number of testing agency.

- d. Dates and locations of samples and tests or inspections.
  - e. Names of individuals making tests or inspections.
  - f. Description of the work and test and inspection method.
  - g. Identification of product and design drawing specification section.
  - h. Complete test or inspection data.
  - i. Test and inspection results and an interpretation of test results.
  - j. Ambient conditions at time of sample taking and testing and inspection.
  - k. Comments or professional opinion on whether testing or inspected work complies with the contract document requirements.
  - l. Name and signature of laboratory inspector.
  - m. Recommendations on testing re-inspecting.
4. Permits, Licenses, and Certificates: For Contracting Officer's Representative's records submit copies of permits, licenses, certifications, inspection reports, releases, jurisdictional settlements, notices, receipts for fee payments, judgments, correspondence, records, and similar documents, established for compliance with standards and regulations bearing on performance of this scope of work.
- a. NPS shall issue appropriate permits for all work on NPS property, per standard permit procedure for work on federal parkland prior contract notice to proceed. Permit process time, typically two weeks. (see Attachment B)
5. Installation Details: As-built or shop drawings and product data for all work detailed in Sections II.A-C of this scope of work, including all equipment and products installed on NPS lands.

C. Quality Assurance

- 1. Fabricator Qualification: A firm experienced in producing products similar to those indicated for this scope of work and with a record of successful in-service performance, as well as sufficient production capabilities to produce required units.
- 2. Factory-Authorized Service Representative Qualifications: An authorized representative of manufacturer who is trained and approved manufacturer to inspect installation of manufacturer's products that are similar in material, design, and extent to those indicated for this Project.
- 3. Installer Qualifications: A firm or individual experienced in installing, erecting, or assembling work similar in material, design, and extent to that indicated for



this project, whose work has resulted in construction with a record of successful in-service performance.

4. Manufacturer's Qualifications: A firm experienced in manufacturing products or systems similar to those indicated for this scope of work and with a record of successful in-service performance.
5. Professional Qualifications: A professional engineer who is legally qualified to practice in jurisdiction where Project is located and who is experienced in providing engineering services of the kind indicated. Engineering services are defined as those performed for installations of the system, assembly, or product that are similar to those indicated for this Project in material, design and extent.
6. Specialists: Certain sections of the Specifications require that specific construction activities shall be performed by entities that are recognized experts in those operations. Specialists shall satisfy qualification requirements indicated and shall be engaged for the activities indicated.
  - a. Requirement for specialists shall not supersede building codes and similar regulations governing the Work, nor interfere with local trade-union jurisdictional settlements and similar conventions.
7. Testing Agency Qualifications: An agency with the experience and capability to conduct testing and inspecting indicated, as documented by ASTM E548, and that specializes in types of tests and inspections to be performed.
8. Pre-Construction Testing: Testing agency shall perform pre-construction testing for compliance with specified requirements for performance and test methods.
  - a. Contractor responsibilities include the following:
    1. Provide test specimens and assemblies representative of proposed materials and construction. Provide sizes and configurations of assemblies to adequately demonstrate capability of product to comply with performance requirements.
    2. Submit specimens in a timely manner with sufficient time for testing and analyzing results to prevent delaying work.
  - b. Testing Agency Responsibilities: Submit a certified written report of each test, inspection, and similar quality assurance service to Contracting Officer's Representative, with copy to Contractor. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from the Contract Documents.

#### D. Quality Control

1. Contractor Responsibilities: Unless otherwise indicated, provide quality control services specified and required by these contract documents.

- a. Contractor shall engage a qualified-independent testing agency to perform these quality control, services.
2. Manufacturer's Field Services: Where indicated, engage a factory authorized service representative to inspect field assembled components and equipment installation, including service connections. Report results in writing.
3. Testing Agency Responsibilities: Cooperate with Contracting Officer's Representative and Contractor in performance of duties. Provide qualified personnel to perform required tests and inspections.
  - a. Notify Contracting Officer's Representative and Contractor promptly of irregularities or deficiencies observed in the work during performance of its services.
  - b. Interpret tests and inspections and state in each report whether tested and inspected work complies with or deviates from requirements.
  - c. Submit a certified written report, in duplicate, of each test, inspections, and similar quality control service through Contractor.
  - d. Do not release, revoke, alter, or increase requirements of the Contract Documents or approve or accept any portion of the work.
- E. Coordination: Coordinate sequence of activities to accommodate required quality assurance and quality control services with a minimum of delay and to avoid necessity of removing and replacing construction to accommodate testing and inspecting.

#### IV. Accident Prevention

- A. Reference: FAR Clause: 52.236-13 Alt. I – Accident Prevention (Nov. 1991 – Alternate I)

#### V. Archeological Protection

- A. Reference: DOI Clause: 1489.236-73 – Archeological Findings

Attachment B

**Permit Requirements  
National Capital Parks-Central**

Agencies or contractors performing work in National Capital Parks-Central are required to have a permit prior to starting work. Upon notification by DDOT of the selection of contractors to perform work on National Park Service (NPS) land, NPS shall prepare appropriate permits to allow the timely and expeditious completion of Project work.

DDOT or its contractors shall provide NPS with the following information necessary for the issuance of required permits:

1. A description of work, including location, staging area, and impacts to NPS resources, including but not limited to, streets, sidewalks, turf, trees, structures, and access to facilities.
2. A vehicular traffic control plan if there is to be any work performed in the street and a pedestrian traffic control plan including an accessible route for persons with disabilities, if the existing pedestrian flow will be disrupted.
3. Proposed dates and hours of work. Coordinate in advance with NPS staff regarding special events, rush hours and other considerations.
4. A Certificate of Liability Insurance in the amount of \$1 million per person for one claim, with an aggregate limit of \$3 million. The Certificate of Liability Insurance must show the United States, the District of Columbia, USRC and USV as additionally insured in the Special Provisions block and in the Certificate Holder block. The following addresses must be shown:

National Park Service  
National Capital Parks-Central  
900 Ohio Drive, SW  
Washington, DC 20024

District Dept. of Transportation  
2000 14<sup>th</sup> Street, NW, 6<sup>th</sup> Floor  
Washington, DC 20009

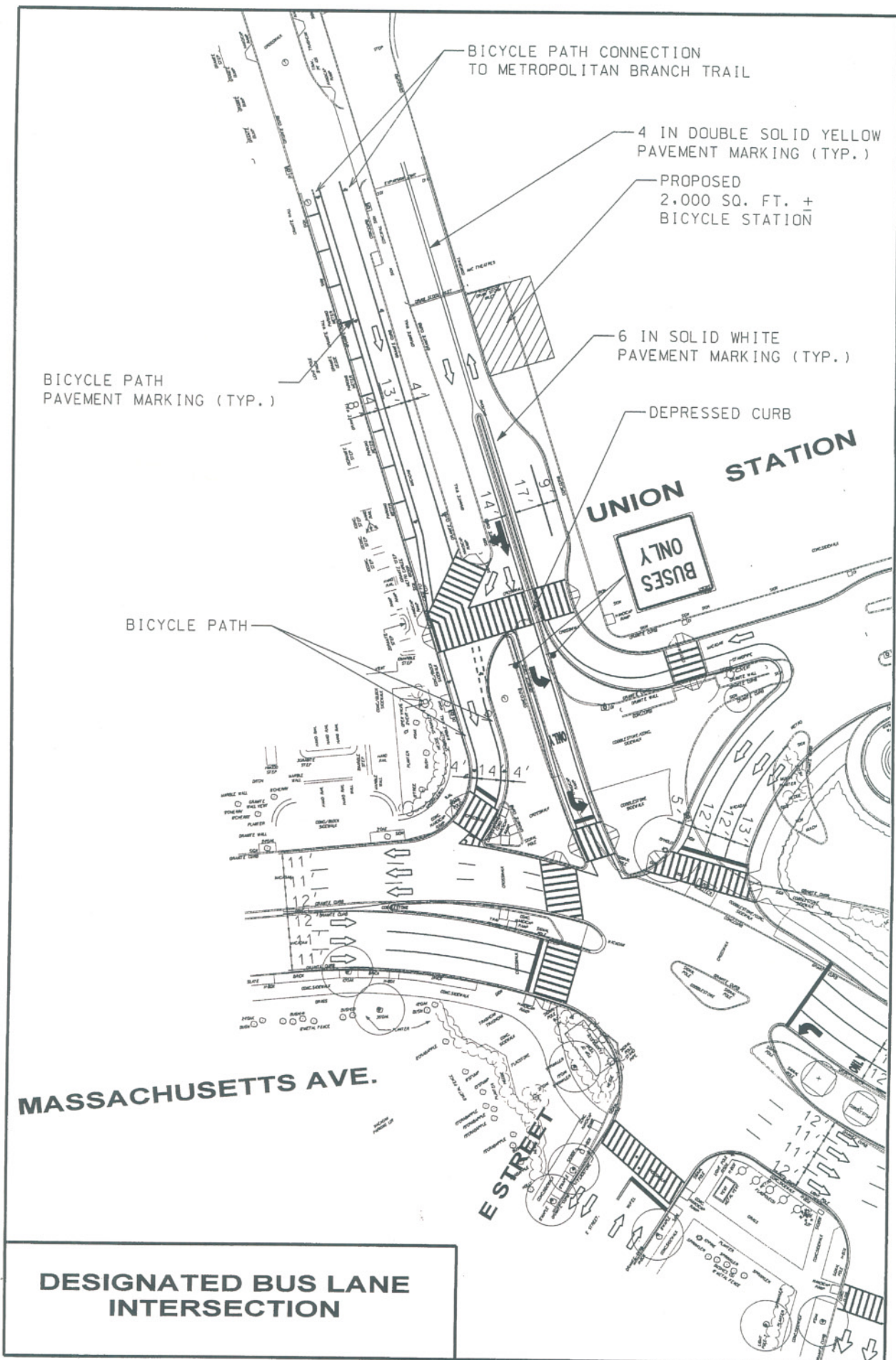
Union Station Redevelopment Corp  
10 G Street, NE, Suite 504  
Washington, DC 20002

Union Station Venture, Ltd.  
40 Massachusetts Avenue, NE  
Washington, DC 20002

5. A provision in the District of Columbia's contract document stating: the Performance Bond provided by the contractor to the District of Columbia will be released when the conditions of the District of Columbia are met and the NPS has accepted the work performed on NPS property, including the restoration of any property damaged in the performance of that work or as a result of being on NPS property.
6. The Performance Bond provided by the contractor to the District of Columbia must include a specified dollar amount specifically for coverage of NPS property. The amount will be commensurate with the potential for damage to government property, as determined by NPS.
7. A copy of the Special Provision from the contract document (see #5 above).
8. A copy of the Performance Bond provided to the District of Columbia.







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