

## SECTION 01 64 13

### DISTRICT- FURNISHED MATERIALS (DFM) AND DISTRICT-FURNISHED EQUIPMENT (DFE)

#### PART 1 – GENERAL

##### 1.01 SECTION INCLUDES

- A. District-furnished materials and District-furnished equipment.
- B. Delivery, storage and handling.
- C. Installation facilities, tools and materials.
- D. Installation instructions and supervision.

##### 1.02 RELATED SECTIONS AND DOCUMENTS

- A. Refer to Section 01 60 00, Product Requirements, for handling, storage, and other pertinent requirements.
- B. General Conditions Article GC6.2 District-Furnished Materials (DFM) and District-Furnished Equipment (DFE).

##### 1.03 MEASUREMENT AND PAYMENT

- A. Measurement: Installation of District-furnished materials and District-furnished equipment will be measured for payment as a lump-sum unit, acceptably stored and installed.
- B. Payment: Installation of District-furnished materials and District-furnished equipment will be paid for at the Contract lump-sum price indicated in the Bid Schedule of the Bid Form.

##### 1.04 ABBREVIATIONS

- A. District-furnished materials may be referred to herein and in other Sections of the Contract Specifications, where applicable, by the abbreviation DFM.
- B. District-furnished equipment may be referred to herein and in other Sections of the Contract Specifications, where applicable, by the abbreviation DFE.

##### 1.05 DISTRICT-FURNISHED MATERIALS AND DISTRICT-FURNISHED EQUIPMENT

- A. The materials and equipment to be furnished by the District for installation by the Contractor are specified in the Contract Specifications, Section 01 64 13, District-Furnished Materials (DFM) and District-Furnished Equipment (DFE).

**1.06 CONTRACTOR'S RESPONSIBILITIES**

- A. Requirements: The Contractor shall assume custody of, and provide protection for, all District-furnished materials and District-furnished equipment from delivery and acceptance by the Contractor until Substantial Completion of the Work and the return of any excess materials and equipment.
- B. Protection: Protect all District-furnished materials and District-furnished equipment while in custody from theft, vandalism, loss, and damage during unloading, storing, handling, distributing, and installing the materials and equipment. Lost or damaged materials and equipment, as documented by the District, shall be replaced by the Contractor at no additional cost to the District.
- C. Delivery Schedule:
1. District-furnished materials and District-furnished equipment will be delivered by the respective suppliers to the delivery sites indicated, within the dates indicated in the listing in the Contract Specifications, Section 01 64 13, District-Furnished Materials (DFM) and District-Furnished Equipment (DFE). District-furnished materials and District-furnished equipment will be delivered to the delivery sites between the hours of 7:00 a.m. and noon, Monday through Friday.
  2. The method and rate of material delivery will be determined by the respective suppliers, and this information will be reported by the District to the Contractor at least two weeks prior to the initial delivery of each type of material.
  3. All Contractor requests for modification to the delivery method, location, rate, or date(s) shall be made through the Engineer. Should an agreement be reached to modify any delivery parameter, all additional costs due to the modification shall be paid by the Contractor.
- D. Unloading: The Contractor shall provide all labor, equipment, and materials necessary to unload, handle, stockpile, and store District-furnished materials and District-furnished equipment. The Contractor shall unload and stockpile or store all District-furnished materials and District-furnished equipment within four hours of their arrival at the delivery site. Unloading and handling shall be in accordance with the respective manufacturer's recommendations as furnished by the Engineer.
- E. Storage Plan: Prepare a storage plan for each storage area where District-furnished materials and District-furnished equipment are proposed to be stored or stockpiled. The plan shall be in sufficient detail to demonstrate that efficient handling and security provisions have been provided, that supporting soils will not be overloaded, and that materials will not be overstressed due to bending or shear. Security provisions shall be in accordance with Contract Specifications, Section 01 35 33, Security Procedures. A running inventory of the materials on hand shall be provided and kept, and the Contractor shall notify the Engineer at least 30 Days in advance of any anticipated shortages.

- F. DFM and DFE Acceptance: Inspect all District-furnished materials and District-furnished equipment at time of delivery by the respective suppliers to the delivery sites, and submit certification to the Engineer showing the quantity of accepted materials and equipment. Set aside all damaged materials and equipment, and immediately notify the Engineer and the delivery carrier in writing of the damage and circumstances of discovery.
- G. Inventory Records: Prepare and maintain perpetual inventory records of District-furnished materials and District-furnished equipment, and assign stock number, date of receipt from the District, and approximate date of construction placement. All checkout and returns of District-furnished materials and District-furnished equipment or other transfer of materials and equipment between the Contractor and the District shall be accompanied by an inventory record form.
- H. Excess Materials: Upon Substantial Completion of the Work, the Contractor shall transport, unload, and stockpile, all excess District-furnished materials and District-furnished equipment to a delivery location within a 50 mile radius of the jobsite, as determined by the Engineer.

#### **1.07 INSTALLATION FACILITIES, TOOLS, AND MATERIALS**

- A. The Contractor shall furnish all facilities, tools, equipment, materials, and services needed to complete the installation of District-furnished materials and District-furnished equipment, and such other tools, equipment, materials, and services as required to complete the Work.
- B. District-furnished materials and District-furnished equipment shall be installed accurately and efficiently to avoid waste, such as that due to incorrect or inaccurate installations. Wasted materials and equipment, as documented by the Engineer, shall be replaced by the Contractor at no additional cost to the District.

#### **1.08 INSTALLATION INSTRUCTIONS AND SUPERVISION**

- A. The Engineer will provide the Contractor with installation instructions and drawings from the manufacturers of District-furnished equipment. In addition, the assembly, installation, and testing of the major and more complex items of mechanical equipment, electrical and electronic equipment, and communications and radio equipment shall be performed under the technical supervision of installation supervisors from the various manufacturers' organizations.
- B. Installation supervisors' services for District-furnished equipment will be obtained by and at the expense of the District, and the installation supervisor will be made available, insofar as possible, when needed by the Contractor.
- C. The Contractor shall be responsible for coordinating the work and cooperating with the Engineer in scheduling the time when each installation supervisor will be needed in order to best conform with the installation and testing schedules and still allow sufficient advance notice to the manufacturer for scheduling the most suitable installation supervisor.

- D. The Contractor shall be responsible for any work performed in the absence of the installation supervisor, or work that does not conform to such supervisor's instructions, and any resulting errors in assembly or installation shall be corrected by the Contractor without additional cost to the District.
- E. The Contractor will not be held responsible for faulty manufacture of the equipment, for any errors in the manufacturers' assembly drawings, or for erroneous instructions issued by the installation supervisor.

**PART 2 – PRODUCTS**

Not Used

**PART 3 – EXECUTION**

Not Used

**END OF SECTION 01 64 13**