

## **SPECIFICATION 202 – REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

### **202-1 DESCRIPTION**

#### **202-1.01 Scope**

a. This work shall consist of the removal, wholly or in part, and satisfactory disposal of all buildings, building foundations, fences, structures, old pavements, and any other obstructions which are not designated or permitted to remain, except for the obstructions to be removed and disposed of under other items in the contract. It shall also include the salvaging of designated materials and backfilling the resulting trenches, holes, and pits.

b. When the contract does not include pay items for removal of structures and obstructions as described in this specification, such work will not be paid for directly, but shall be performed as a subsidiary obligation of the Contractor under other contract items.

c. Regardless of the pay items included in the proposal schedule and shown on the plans, it is the Contractor's responsibility to determine the quantity and nature of structures and obstructions to be removed from within the project and to bid accordingly.

### **202-2 MATERIALS**

**202-2.01** No materials are specified.

### **202-3 CONSTRUCTION REQUIREMENTS**

#### **202-3.01 General**

a. The Contractor shall raze, remove and dispose of all buildings and foundations, structures, fences and other obstructions, any portions of which are on the right-of-way,

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except those items for which other provisions have been made for their removal. Any salvable material will become the property of the Contractor unless otherwise specified in the contract documents. Any salvable material specifically designated to remain the property of the Authority shall be removed without unnecessary damage and transported to the place or places specified in the contract documents at the Contractor's expense. The repair of any damage to materials designated to be salvaged for the Authority which is due to negligence by the Contractor will be at the Contractor's expense.

b. Unless otherwise specified or authorized, material not salvaged shall be disposed of outside the project right-of-way in areas selected by the Contractor. Copy of the written permissions of the property owners on whose property the material is to be deposited shall be furnished by the Contractor to the Engineer.

c. Basements or cavities left by structure removal shall be filled with suitable material to the level of the surrounding ground and, if within the prism of construction, shall be compacted in accordance with Article 203-3.05 of Specification 203 - Excavation and Embankment.

### **202-3.02 Removal of Bridges, Culverts and Other Drainage Structures**

a. Bridges, culverts and other drainage structures in use by traffic shall not be removed until satisfactory arrangements have been made to accommodate traffic.

b. Unless otherwise directed, the substructures of existing structures shall be removed down to the natural stream bottom and those parts outside of the stream removed down to natural ground surface. Where such portions of

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existing structures lie wholly or in part within the limits for a new structure, they shall be removed as necessary to accommodate the construction of the proposed structure.

c. Steel structures that require special dismantling and salvaging procedures are identified in the contract documents. All other structures will be dismantled and removed by the Contractor and all salvable material will become the property of the Contractor and shall be removed from the right-of-way or disposed of in a manner approved by the Engineer.

d. Blasting or other operations necessary for the removal of an existing structure or obstruction, which may damage new construction or adjacent structures to remain, shall be completed prior to placing the new work.

### **202-3.03 Removal of Pavement, Sidewalks, Curbs, etc.**

All pavement, base course, sidewalks, curbs, gutters, etc., designated for removal, shall be broken up and disposed of in areas approved by the Engineer.

### **202-3.04 Dust Control**

Provision shall be made at every demolition site to control the amount of airborne dust resulting from demolition operations by wetting the debris and other materials and the immediate work area with appropriate spraying agents or other means acceptable to the Engineer.

### **202-3.05 Rodent Control**

a. Prior to the demolition of any buildings in projects in urban areas, the Contractor shall exterminate rodents in each of the buildings to be demolished. The extermination shall be performed by an exterminator duly licensed by the

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Commercial Poisons Division of the P. R. Department of Health and with at least five (5) years of experience in rodent extermination. The exterminator shall, upon request, present to the Engineer, evidence of both the license and required experience.

b. The exterminating work shall be performed in a manner acceptable to the Engineer and in accordance with the requirements of the P. R. Department of Health. Normally, bait shall be placed at least 14 calendar days and not more than 30 calendar days before actual demolition is started.

### **202-4 METHOD OF MEASUREMENT**

#### **202-4.01 Method of Measurement**

a. When the contract stipulates that payment will be made for removal of structures and obstructions on a lump sum basis, the pay item will include all structures and obstructions encountered within the right-of-way in accordance with the provisions of this specification.

b. Where the proposal stipulates that payment will be made for the removal of specific items on a unit basis, measurement will be made by the unit stipulated in the contract. Linear, area and volume measurements will be to the nearest tenth of the pay unit.

### **202-5 BASIS OF PAYMENT**

**202-5.01** The accepted quantities of removal of structures and obstructions, determined as provided above, will be paid at the contract unit price or lump sum price as called for in the Contract, which price shall be full compensation for the removal and disposal of all structures and obstructions, for the excavation and backfill incidental to their removal and for dust and rodent control. The price

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shall also include all costs for the removal and salvage of any materials specified to be retained by the Authority, their custody, preservation, storage and disposal as specified in the contract documents.

**202-5.02** Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Removal of Structures and Obstructions.....	Lump Sum
Removal of.....	Each
Removal of.....	Lineal Meter
Removal of.....	Square Meter
Removal of.....	Cubic Meter