

767.4 Wood Chip Mulch

Cubic Meter

**SECTION 112**  
**DEMOLITION OF BUILDINGS, STRUCTURES AND BRIDGES**  
**DESCRIPTION**

**112.20 General.**

The work to be done consists of demolishing completely such buildings and structures as are listed in the Proposal.

Said demolishing of the buildings shall be done on the site. Buildings as such shall not be removed intact from the site by the Contractor nor shall they be sold to others for such removal.

“Buildings” or “Structures” shall be considered interchangeable terms within the scope of these Specifications.

The Contractor shall not proceed with the demolition of any building or structure unless and until he/she receives written approval.

Structures which must be removed and which are not listed in the Proposal will be removed by others at the direction of the Department. The Contractor’s attention is directed to the relevant provisions of Subsections 8.04, 8.08 and 9.05 wherein it is stipulated that he shall have no claim for damages for any delay in the prosecution of the work under any of these items, or for the omission of any one or more of the items scheduled in the Proposal.

The Department may withdraw from the Contract any or all of the structures which are scheduled for demolishing and for which items are included in the Proposal, and the Contractor shall, in this case, have no redress against the Department for any loss in anticipated profits. The Contractor’s attention is further directed to the probability that delay may be encountered in the prosecution of demolition or removal work and that as stipulated in said Subsections 8.04 and 8.05 he shall have no claim for damages for any delay in the prosecution of work hereunder, except as provided.

The Contractor shall be solely responsible for making all necessary arrangements and for performing any necessary work to the satisfaction of the Utility Companies and Municipal Departments involved in connection with the discontinuance or interruption of all public utilities or services, such as gas, water, sewer, electricity, and telephone, which will be affected by the work to be done under the Removal items specified in the Proposal.

**CONSTRUCTION METHODS**

**112.60 Demolition of Buildings and Structures.**

Each item for demolition includes the demolition of the building or buildings as identified, and described under the particular item listed in the Proposal, and the satisfactory disposal of the buildings and all contents therein. Basements shall be completely cleaned of all unsuitable materials and debris, all partition walls, and supports for the appurtenances to the buildings.

The foundation walls of the structures shall be broken down to a depth of not less than 300 millimeters below the existing ground level.

Cellar floors shall be broken into pieces having an area not more than 0.25 square meter with well defined cracks through the full depth of the floor.

Holes having an area of not less than 0.1 square meter shall be made through the floor at intervals of not more than 3 meters lengthwise and crosswise, to provide vertical drainage.

Buildings without basements or cellars having concrete or masonry floors or slabs at ground level, when demolished, shall be removed to the ground floor grade. The floor or slab shall be removed and the area graded as directed.

All fences, debris, etc., on the parcel on which the building that is demolished is located shall be removed and the parcel left in a reasonably neat and safe condition.

In case the building to be removed is served by a septic tank or cesspool, or underground fuel tanks, such

structure or structures and appurtenant pipes shall be broken down or removed and all resulting cavities satisfactorily filled with selected excavated material placed in 300 millimeter layers and thoroughly compacted. If directed, the Contractor shall remove the contents of said structures prior to disturbing them, and the disposal thereof shall conform to the requirements of the local Board of Health. Underground fuel tanks and contents shall become the property of the Contractor and shall be carefully handled and removed and immediately disposed of in compliance with applicable safety and pollution control regulations.

The Department assumes no responsibility for any changes in the condition of the buildings, or for loss of fixtures, or equipment at any time.

All materials resulting from the demolition of the buildings shall become the property of the Contractor and he/she shall dispose of the same outside and away from the site, except all acceptable solid fill shall be used in filling cellar holes before borrow is used. Solid fill shall consist of noncombustible material, such as brick, stone and plaster (but not wood lath) and shall contain no piece larger than 0.5 cubic meter in volume, or greater than 1 meter in dimension. All materials which consist of hazardous substances such as lead paint, asbestos, petroleum products, etc., shall be disposed of in accordance with state and federal environmental regulations. Acceptable materials from removal may be placed no higher than 300 millimeters below existing grade. All pipes and other conduits encountered and to be abandoned on account of the demolition shall be plugged with brick and mortar. Drainage structures shall be removed completely and the cavity completely filled with selected excavated material or borrow in 500 millimeter layers and thoroughly compacted.

A minimum depth of at least 300 millimeters of ordinary borrow shall be used as a cover and shall be reasonably leveled. The areas adjacent to the site of the removal shall be left in a neat and safe condition satisfactory to the Engineer. Upon completion of the work, all cellar holes shall be filled to the grade of adjacent ground in the manner specified hereinabove.

The Contractor shall protect all buildings which adjoin a structure to be demolished and shall leave the same in a permanently safe and satisfactory condition.

In accordance with the provisions of Subsection 7.10, the Contractor shall erect suitable fences around unfilled basements and other dangerous locations created by his/her work, during demolition and prior to filling of cellar holes or cavities. All costs in connection with such fences shall be included in the contract price for the appropriate demolition item.

#### **112.61 Demolition of Bridges.**

The Contractor shall not disturb any utility or property carrying water, gas, telephone, electric or similar service across the bridge unless he/she is permitted to do so by the Engineer.

If the Contractor is directed to make any repairs or to do any maintenance work on the present superstructure or bridge supports during the period it is open for public travel, the Contractor shall do the directed work in accordance with the provisions of Subsection 4.03.

The Contractor shall assume responsibility for the maintenance and safety of the present superstructure or bridge immediately on notice to him/her that the Engineer has closed the bridge to the public.

Where the bridge to be removed is over a railroad all work of removing the bridge superstructure and bridge supports shall be done at such times and in such manner as will cause the least possible interference with the operation, management, business or traffic of the railroad.

##### **Demolition of Present Superstructure.**

All materials in or on the superstructure of the present bridge, its supporting beams and braces, shall be satisfactorily removed. Such material as the present owner desires which are specified in the Special Provisions shall be stacked near the site as directed and convenient for removal by owner. The material that the present owner does not specify shall become the property of the Contractor.

##### **Demolition of Present Bridge.**

The work under this item shall include the removal and satisfactory disposal of the entire superstructure, as specified above, and the removal and satisfactory disposal of the substructure to the extent that the slopes in the abutment area will match the slopes of the adjacent embankment. Materials resulting from removal may be used as embankment materials on the project, if approved by the Engineer, without any additional compensation to the Contractor.

Stone, concrete masonry or other support shall be removed so that none of it will come within 600 millimeters of the finished slopes or within 1 meter of the roadway surface, and the remaining space shall then be backfilled.

When the bridge to be removed is over water, all parts of piers or other supports in the water shall be removed to the elevation of the bed of the stream or other body of water or as indicated on the plans or in the Special Provisions.

### COMPENSATION

#### 112.80 Method of Measurement.

Ordinary borrow shall be measured as described under Subsection 150.80.

#### 112.81 Basis of Payment.

The work will be paid for at the contract lump sum price under the respective item for the particular building, structure or bridge designated to be demolished as set forth in the Proposal, which price shall include full compensation for all the work prescribed herein, except furnishing and placing ordinary borrow for cover where required.

#### 112.82 Payment Items.

112.	Demolition of Building No. ____ or Structure No. ____	Lump Sum
114.	Demolition of Superstructure of Bridge No. ____	Lump Sum
115.	Demolition of Bridge No. ____ or Structure No. ____	Lump Sum
150.	Ordinary Borrow	Cubic Meter

## SECTION 119

### CONTROL OF RODENTS

#### DESCRIPTION

#### 119.20 General.

The work to be done consists of the control (extermination) of rodents, prior to the demolition of buildings, in dump areas, landfills or other areas so designated by the Engineer.

#### CONSTRUCTION METHODS

#### 119.60 Control (Extermination).

This work shall consist of two (2) phases as follows:

##### 1. Initial Treatment.

This phase shall start immediately after execution of the Contract and shall be applied in all buildings to be razed and to all other buildings and areas within the limits of construction where, in the Engineer's judgment, rodents have gathered or may gather during the construction period. A toxic material consisting of zinc phosphide pre-packaged acute toxicants or another acute anti-coagulant which has been approved by the Massachusetts Department of Food and Agriculture-Pesticide Board, with a suitable bait shall be used. The treated bait shall be placed in all structures to be demolished so as to attract the greatest possible number of rodents; and in accordance with best practices.

##### 2. Maintenance.

One week (more or less, as directed) after the "Initial Treatment", the Contractor shall start a program of maintenance to rid the structures and adjacent areas within the limits of this Contract of any remaining rodents, their