

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**SUPPLEMENTAL SPECIFICATION**

**Section 610—Removal of Miscellaneous Roadway Items**

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*Delete Section 610 and substitute the following:*

**610.1 General Description**

This work includes removing, salvaging, or disposing of items listed in the Proposal as Pay Items to be removed, and backfilling the excavations made during removal.

Remove structures not separately listed as Pay Items in the Contract as specified in [Sections 201](#), [202](#), or [205](#).

**610.1.01 Definitions**

General Provisions 101 through 150.

**610.1.02 Related References**

**A. Standard Specifications**

[Section 201—Clearing and Grubbing Right-of-Way](#)

[Section 202—Random Clearing and Grubbing](#)

[Section 205—Roadway Excavation](#)

[Section 208—Embankments](#)

[Section 540—Removal of Existing Bridge](#)

[Section 611—Relaying, Reconstructing, or Adjusting to Grade of Miscellaneous Roadway Structures](#)

**B. Referenced Documents**

General Provisions 101 through 150.

**610.1.03 Submittals**

General Provisions 101 through 150.

**610.2 Materials**

**610.2.01 Delivery, Storage, and Handling**

**A. Materials Retained by the Department**

Unless removed under [Sections 201](#), [202](#), or [205](#), or unless otherwise provided for in the Plans or Proposal, carefully remove materials with a salvage value.

1. Neatly stack or stockpile the materials along the right-of-way near the removal point and above high water.
2. Store highway signs standing on edge and protected from the elements.
3. Replace materials damaged, defaced, or destroyed by removing them carelessly at no cost to the Department.
4. Notify the Engineer when the materials have been stockpiled and are ready to be transported.
5. Keep materials secure and replace (at the Contractor's expense) materials lost, stolen, or missing within a maximum of 10 days after the Engineer has been notified that the materials are ready to be transported.

**B. Materials Reused in the Work**

Maintain structures, portions of structures, and other materials to be salvaged and reused in reconstruction work.

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Assume responsibility for the material until Project Final Acceptance.

Repair or replace materials lost or stolen before reuse at the Contractor's expense.

Spread suitable surplus excavation material on the slopes of the roadway embankments. Otherwise, dispose of the waste materials off the right-of-way at the Contractor's expense.

### **C. Bridge Components**

Dispose of bridge components according to [Section 540](#). Replace or repair at the Contractor's expense structures, portions of structures, or materials to be salvaged, retained, or used in the reconstructed work but that were carelessly damaged or destroyed by the Contractor.

## **610.3 Construction Requirements**

### **610.3.01 Personnel**

General Provisions 101 through 150.

### **610.3.02 Equipment**

General Provisions 101 through 150.

### **610.3.03 Preparation**

If removing a structure may endanger a new construction, finish that part of the work before beginning the new construction.

### **610.3.04 Fabrication**

General Provisions 101 through 150.

### **610.3.05 Construction**

#### **A. Protection of Remaining Structures**

Do not use explosives, equipment, or devices that may endanger structures, facilities, or other property to remain in place. If parts of structures are to remain in place, protect them from damage during construction. Protect and preserve the salvage value of materials to be salvaged.

#### **B. Extent of Removal**

Separate and remove existing structures, with their attached parts and connections, as shown on the Plans or designated to be removed.

1. When a part of an existing structure is to remain in place, ensure that the part to be removed extends to a construction joint or is cut off to the lines shown on the Plans, leaving reasonably smooth faces.  
Remove walls and other masonry construction to the bottoms of the foundations unless otherwise specified.
2. Remove walls and their foundations within the roadbed area to an elevation at least 3 ft (900 mm) below the top of the finished subgrade, unless otherwise specified.
3. [See Subsection 201.3.05.C.1.c, "Abandoned Obstructions,"](#) for guidelines for rigid surfaces.

#### **C. Railway Tracks**

Removing railway tracks includes removing rails, ties, switches, towers, concrete structures, sign posts, and other related railway structures. Leave ballast in place, unless otherwise specified.

#### **D. Inlets, Catch Basins, Manholes, and Culverts**

1. Remove gratings, traps, and other metal castings of inlets, catch basins, and manholes without damaging them. Reuse them on new structures or salvage them, whichever the Engineer directs.
2. Remove old culverts down to the ground level or to the adjacent water level, unless otherwise shown on Plans.
3. Remove the bottom slabs of inlets, catch basins, manholes, and culverts. If the Engineer permits them to remain in place, break them up so that water will readily pass through them.

#### **E. Removing Pipe**

Uncover the pipe to remove it without damage. Exercise care in removing the pipe. Replace pipe sections damaged by negligence at the Contractor's expense.

After removing the pipe, clean it and neatly stack it at points directed by the Engineer along the line of the work. Unless otherwise specified, the pipe is the property of the Department.

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### **F. Septic Tanks**

When encountering septic tanks, completely remove the contents of each tank.

1. Remove and dispose of the tank's contents as required by the State Department of Health and local health authorities.
2. Before backfilling the remaining portion of the septic tank, drill holes in the bottom of the tank or break it up as the Engineer directs, to permit drainage.

### **G. Backfilling**

Backfill trenches and other excavations dug for removing miscellaneous structures.

1. Use approved materials in the backfill.
2. Compact the backfill in layers no more than 6 in (150 mm) thick and with the proper moisture content. Use pneumatic tampers or other approved equipment.
3. Under the roadway, ensure that the degree of compaction conforms to [Section 208](#).  
Elsewhere, compact the backfill equal to the soil surrounding it.

### **H. Structures to Remain**

Preserve unharmed the miscellaneous structures, including fences, buildings, pipe lines, pole lines, water and sewer lines, and other improvements that owners or the Department will retain or that others will remove.

### **I. Culverts to be Extended**

Where concrete culverts are to be extended, remove a minimum amount of concrete in parapets, wing walls, and wing wall footings to clear the new construction. Make the joint or connection as shown on the Plans or as directed by the Engineer.

### **J. Fences**

When removing fences, do not allow livestock to escape. If fences are to be reset according to [Section 611](#), protect the spelter coating of fence fabric, steel fence posts, and braces.

The Engineer will require that reusable posts removed be clean and free of concrete. If desired, furnish new posts instead of cleaning the old ones at no additional cost to the Department.

### **K. Raised Edge Curb**

Remove raised edge curb to a reasonably true line at the elevation of normal finished pavement.

If the average of the plus and minus deviations approximate the original normal edge of pavement, a tolerance of approximately 1 in (25 mm) above or below this elevation will be accepted.

Do not shatter pavement that will be retained.

### **L. Highway Signs**

Remove the entire sign from the supports, and remove the supports from the concrete foundation.

### **M. Lighting Standards and Appurtenances**

Disassemble the lighting standard, and separate each component part including the transformer base. Cut the underground duct before removing these items.

### **N. Removal of Existing Building Structures**

Demolish, remove, and dispose of all building structures within the right of way and easement areas including concrete slabs, footings, foundations, etc. as shown on the plans. Grade all disturbed ground to a reasonably smooth and pleasing appearance, free from loose boulders and other debris that would interfere with the use of power mowers. Grass all disturbed areas.

Prior to demolition or removal:

1. Inspect all building structures for the presence of asbestos. The inspection shall be done by an EPA Asbestos Hazard Emergency Response Act (AHERA) accredited inspector whose certification is current.
2. Provide a copy of all inspection reports including the inspector's credentials to the Engineer.

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3. Provide written notice of intent to demolish to the Georgia Environmental Protection Division (EPD) of the Georgia Department of Natural Resources in accordance with EPD regulations with a copy to the engineer. This notice is required even if there is no asbestos present.

If there is asbestos present, its removal shall be done by a contractor licensed with the EPD in accordance with the Rules of Georgia Department of Natural Resource Environmental Protection Division chapter 391-3-14-04. All asbestos removal and disposal shall be done in accordance with EPD regulations. All asbestos removal shall be considered as Extra Work and payment will be made in accordance with [Subsection 109.05](#).

### 610.3.06 Quality Acceptance

General Provisions 101 through 150.

### 610.3.07 Contractor Warranty and Maintenance

General Provisions 101 through 150.

## 610.4 Measurement

Removing miscellaneous roadway items is measured to determine the Unit or Units of each type specified in the Proposal and on the Plans. Only when listed as a Pay Item in the Contract will a removed item be measured for separate payment.

### 610.4.01 Limits

General Provisions 101 through 150.

## 610.5 Payment

Removing miscellaneous roadway items will be paid for at the Contract Unit Price. Payment is full compensation for removing and disposing of the structures according to these Specifications.

Payment will be made under:

Item No. 610	Remove _____	Per unit shown in Proposal
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### 610.5.01 Adjustments

General Provisions 101 through 150.