

SECTION 808

RELOCATION OF STRUCTURES AND OTHER ITEMS (MOVING ITEMS)

808.01 Description. This work shall consist of the removal and relocation of buildings or miscellaneous structures of all types and including all utility connections, septic tanks and other appurtenances; the providing of new wells and the transplanting of trees, shrubbery, bulbs, etc., appertaining to the building or structure or individually in accordance with these specifications and as indicated on the plans.

MATERIALS

808.02 General. The suitability of materials salvaged from the existing structure for use in the removed and relocated structure shall be determined by the Engineer.

Brick or concrete block used in exterior walls, pillars, and chimneys unable to be moved with the structure shall be new material. Mortar used in masonry shall meet the requirements as specified in Subsection **718.06**.

Concrete driveways and walkways constructed to replace existing drives and walks shall be constructed in accordance with the requirements of Section **720**. The thickness shall be 6 inches uniform for driveways and 4 inches uniform for walkways.

All well casings, water pipes, and materials for steps are to be new unless the material salvaged from the old structure is acceptable.

Septic tanks and sewer pipes thereto shall be of new materials.

New materials shall conform to the applicable section of

these specifications.

CONSTRUCTION REQUIREMENTS

808.03 General. Structures shall be prepared for removal, moved, and placed in their new locations as shown on the plans or as designated by the Engineer. They shall be set plumb, level, and each entire structure, including appurtenances, shall be left in as good condition in all respects as it was before moving.

The Contractor shall not make any change or alteration in the work specified to be done unless such change is approved by the Engineer.

The sizes of structures, distances to be moved, and elevations to be placed as shown on the plans and descriptions are approximate only. The Engineer may require the Contractor to move, without additional compensation, any structure an additional distance of 50 feet, raise or lower from the final elevation as shown on the plans a distance of 18 inches, or turn the structure through an angle of 15 degrees more than called for on the plans. In no case shall the bottom of wooden sills of a structure be less than 12 inches above ground. The Contractor shall investigate each item to determine the actual work involved in the moving and relocation of each item.

Steps, outside stairways, porches, sheds, and other appurtenances forming an integral part of the building are to be considered as part of the building and shall be moved and relocated accordingly. Cellars, cellar steps, drains, walls, concrete or masonry porches or floors, concrete brick and masonry foundations and supports, septic tanks, fireplaces, chimneys, and other appurtenances attached or connected to the building, but not movable as an integral part of the building, shall be removed, relocated, and replaced with such appurtenances of the same size, type, and character as existed before the building was moved, unless otherwise specified. All driveways and walkways shall be replaced to conform to

the new location of the building. All shrubbery and miscellaneous items appertaining to the structure shall be relocated to maintain the symmetry existing prior to relocation, unless otherwise specified.

Where work involves new materials or the reuse of salvaged materials in the removal and relocation of structures, in the cutting off of buildings or structures, or in the construction of new buildings or structures, all such work shall be painted in accordance with the requirements of Section **710**.

Whenever sanitary sewers, water, gas, electric, or telephone service lines are connected to the building being removed and relocated, they shall be moved and reconnected without unnecessarily inconveniencing the occupants of the building. Utilities not reconnected shall be plugged or otherwise satisfactorily disconnected in a manner preventing infiltration of foreign matter. The Contractor shall arrange for and be responsible for the removal of all utility connections to mains where such will interfere in any way with the construction of the road. All work and costs incidental to removing and relocating these utilities shall be included in the contract price for moving the building to which they are attached. All connections and installations shall be in accordance with any codes, ordinances, or regulations governing such work. The Contractor will be responsible for all notices to public utility companies and shall pay all fees charged by the utilities concerning the moving operation.

The moving operation shall be so conducted as to allow the operator of any business to render service to his customers without undue interruption and after work is started on any building, a sufficient force shall be maintained to insure satisfactory progress. Work on any building, weather permitting, shall not be discontinued without consent of the Engineer.

Materials in existing foundations, drives, walks, concrete or masonry floors, chimneys, etc., where not used in the reconstruction of appurtenances to structures being moved,

shall be removed and disposed of as directed by the Engineer.

The contract prices for moving items shall include all costs of necessary clearing, grubbing and grading for the new site of structures being relocated, except as otherwise provided for on the plans.

The relocation of a building, any part of which is used as a service station, shall include the removal, relocation, and installation of all pumps, tanks, pipes, signs, grease pits or lifts and other accessories appurtenant to the service station or building.

The content of all structures shall be moved and relocated along with the structure to its new site. In the event that it is not practicable to move the structure with the contents therein, the contents shall be removed and replaced. Necessary precautions shall be taken to prevent damage to or loss of the contents.

All foundations for pillars, underpinning or chimneys shall be carried a minimum of 12 inches below ground and/or to a solid bearing. Footings shall be 6 inches wider than pillars or underpinings and 12 inches wider than chimneys proper.

Septic tanks, tile drainage fields and privy installations shall meet the requirements of the South Carolina Department of Health and Environmental Control.

New wells and pumps shall furnish an adequate supply of potable water and shall in all cases furnish at least the amount of water as the pump or well being replaced. New pumps or wells shall be in service before the old units are made ineffective.

Moving items shown on the plans as parts of power transmission or other public utility lines are approximate as to distance to be moved, materials to be furnished, and appurtenances. This work shall be performed in accordance with

the owner's standard practice and to his satisfaction. The Contractor shall contact the owner of such items to determine and satisfy himself as to the amount of work to be performed.

Whenever the plans specify that buildings, structures, etc. are to be dismantled or salvaged, they shall be dismantled with sufficient care to preserve the salvage value of the materials therein. The Contractor will be required to store all salvage materials at locations shown on the plans or designated by the Engineer. The Contractor shall dispose of all discarded material, rubbish, or debris as directed by the Engineer.

All transplanting work required in the removal and relocation of buildings and structures, and as may be indicated on the plans, shall be performed in accordance with the requirements of Section **811**.

808.04 Method of Measurement. Removal and relocation, when scheduled on the plans or in the proposal, will be measured in structure units and incidental improvements or appurtenances such as shrubbery, walkways, driveways, hog or chicken pens, fences, steps, pipe lines, septic tanks, pumps, grease pits or lifts and signs of service stations, which are not an integral part of the structure to be removed and relocated, and not necessarily shown on the plans, but the moving of which is made necessary because of the removal and relocation of the structure, shall be removed and relocated and such work shall be considered as incidental to the removal and relocation of the structure and included in the work to be performed under the moving item.

Transplanting, when scheduled on the plans and in the proposal, will be measured by actual count of plants transplanted or on a lump sum basis, whichever is stated in the proposal.

Other miscellaneous moving items included on the plans and in the proposal will be measured by each complete unit.

808.05 Basis of Payment. The structures and other items removed, relocated, and accepted by the property owner and the Department, will be paid for at the contract price for the Moving Item of the corresponding schedule number, which price and payment shall constitute full compensation for furnishing all materials, tools, equipment, labor and incidentals necessary to complete the work.

Transplanting of trees, shrubbery, etc., will be paid for at the contract unit price for the Moving Item of the corresponding schedule number, which price and payment shall be full compensation for excavating, moving, preparing planting pits, setting, backfilling and watering the transplanted items, including all material, tools, equipment, labor and incidentals necessary to complete this work.

Payment will not be made on any item until the Contractor secures a statement from the property owner or owners certifying that the work has been performed to the property owner's satisfaction and that the Department and Contractor are released from all responsibility and liability in connection with the work. In extreme cases when, in the opinion of the Engineer, this requirement is being abused by the property owner, the Department, at its option, may waive the procurement of the owner's release.

Payment for this item includes all direct and indirect costs and expenses required to complete the work.

Payment will be made under:

Item No.	Pay Item	Pay Unit
8081000	Moving Item No. <i>(schedule no.)</i>	Lump Sum