

SECTION 510

RELOCATING OR MODIFYING EXISTING MISCELLANEOUS ITEMS

I. GENERAL

1.1 DESCRIPTION OF WORK

This Work shall consist of removing, resetting, relaying, adjusting, installing, modifying, reconstructing, salvaging, or relocating existing items or items furnished by the Owner or others, including, but not limited to, right-of-way monuments, guardrail, riprap, drainage structures, traffic control devices, water or sanitary sewer facilities, and other items designated in the Contract Documents.

1.2 SUBMITTALS

Submittals shall be made by the Contractor in accordance with the procedures set forth in Section 105.

1.3 MATERIALS

- A. The principal materials to be used in this Work shall be those salvaged or used in previous construction.
- B. Items shall be constructed, adjusted, modified, or reconstructed with the same type of material as used in the original construction.
- C. The suitability of existing material for salvage, modification, or reuse will be determined by the Owner or will be designated in the Contract Documents.
- D. New, salvaged, or refurbished materials necessary for resetting, relaying, adjusting, modifying, or relocating the item specified shall conform to the requirements of the applicable specifications or shall conform to the Contract Documents for items of the same character and type. If items are deemed salvageable by the Owner, the Contractor shall maintain the item in good working condition and protect it from further deterioration or damage. The Contractor shall not be responsible for providing a warranty for relocated and salvaged items, but shall warrant his workmanship. Preparation for use shall include cleaning, repainting, and refinishing to the approximate original condition.

II. EXECUTION

2.1 GENERAL

Materials designated for salvage or reuse shall be carefully removed, dismantled, cleaned and stockpiled by the Contractor in a location and in such a manner as to preserve their integrity for reuse or delivery to an Owner identified storage area. Material that is not designated for salvage shall be disposed of in an approved disposal area. Items designated for relocation, relaying, adjustment, modification, or installation shall be installed in accordance with the applicable specifications or as directed by the Owner.

2.2 UNDERGROUND STRUCTURE COVERS

- A. Underground structure covers (manholes, water valves, water meters, etc.) shall be raised to accommodate the overlay thickness utilizing adjustment rings. Rings shall be such that they fit the existing structure securely and not vibrate or cause the casting to "tilt-up" under traffic. Raising of structures shall be complete prior to final paving.
- B. When the structure covers cannot be safely adjusted through the use of adjustment rings, as determined by the Owner, the existing frame shall be removed and the necessary adjustment made to the existing structure with brick and mortar in accordance with the Contract Documents. Each structure shall then be encompassed by Hydraulic Cement concrete or cast iron collar that will extend 12 inches from the outside dimensions of the structure cover, the top elevation of the concrete collar being 1-1/2 or 2 inches below the top of the structure cover to accommodate the new bituminous concrete wearing surface. The concrete collar shall be eight inches thick and constructed of High Early Type A3 Hydraulic Cement Concrete that will attain its maximum strength in seven (7) days.
- C. Structure covers designated to be salvaged shall be removed, brushed or air blast cleaned of mud and dirt, and other loose materials and delivered to the Owner at an Owner-designated location. The Contractor shall exercise all due precautions to protect components designated to be salvaged during their removal, cleaning, and delivery to the Owner.

2.3 SIGNS

The Contractor shall relocate all signs within the construction limits which conflict with the construction Work, as approved by the Owner. Any such signs that are not needed for the safe and orderly control of traffic during construction, as determined by the Owner, shall be removed and stored at a designated location within the project limits. The removed signs shall be stored above ground in such a manner as to preclude damage and shall be reinstalled in their permanent location(s) prior to final acceptance of the project. In the event any of the removed signs are not to be reinstalled, the Contractor shall notify the Owner at the time the signs have been properly removed and stored, and such signs will be removed from the project limits by the Contractor and returned to the Owner. Any sign, which is damaged or lost due to the fault of the Contractor, shall be replaced at the Contractor's expense.

2.4 MAILBOXES AND NEWSPAPER BOXES

When removal of mailboxes and newspaper boxes is made necessary by construction operations, the Contractor shall place them in temporary locations so that access to them will not be impaired. Prior to final acceptance, boxes shall be placed in their permanent locations and left in as good or better condition as when found and set at the required height as established by the United States Postal Service. Boxes or their supports that are damaged through negligence on the part of the Contractor shall be replaced at his expense.

III. MEASUREMENT FOR PAYMENT

- A. Removing, resetting, relaying, adjusting, installing, modifying, reconstructing, or relocating designated items will be measured by the unit specified herein and on the Bid Form in accordance with the Contract Documents and the applicable sections of these specifications and will be paid for at the contract unit price bid for the specified item. This price shall include:

1. Salvaging by dismantling, loading, transporting, and unloading furnished materials;
 2. Cleaning, repainting, refinishing, or refurbishing salvaged items, if directed by the Owner;
 3. Excavating, trenching, backfilling, preparing foundation;
 4. Loading, unloading, and transporting furnished materials;
 5. Reconnecting components for electrical and electronic items;
 6. Removing, resetting, relaying, adjusting, installing, modifying, reconstructing, or relocating designated items;
 7. Restoring disturbed areas;
 8. Revising wiring diagrams or schematics; and,
 9. Salvaging or disposing of surplus and unsuitable material.
- B. The adjustment of structure heights, (manholes, cleanouts, water and force main valves, etc.) will be measured as each of the types included in this contract. The measurement and price will include the cost of the following, unless covered in Roadway Construction (Division 3), Incidental Construction (Division 5), or Traffic Control Devices (Division 7) Sections:
1. All materials necessary for raising/resetting of the covers;
 2. Bedding, backfill, compaction and compaction testing;
 3. Excavation of the existing pavement and base and base material;
 4. Maintenance of traffic;
 5. Paint and coatings;
 6. Pouring of the concrete collars or the installation of cast iron collars; and,
 7. Seals.
- C. The cost for removing, storing, protecting, and reinstalling signs shall be incidental to items included in the Work described in the Contract Documents, unless otherwise specified.
- D. The cost for removing and resetting mailboxes and newspaper boxes shall be incidental to items included in the Work described in the Contract Documents, unless otherwise specified.
- E. If no pay item is indicated on the Bid form, the Work will be considered incidental to other Work items.

End of Section