

CITY OF ODESSA
STANDARD SPECIFICATIONS

ITEM 50
REMOVING OLD STRUCTURES

50.1 DESCRIPTION

These specifications shall provide for the removal and disposal of old structures or portions of old structures, as noted on the plans, and shall include all excavation and backfilling necessary to complete the removal. The work shall be done in accordance with the provisions of these specifications.

50.2 METHOD OF REMOVAL

A. Concrete Structures

Concrete structures or portions of structures shall be removed by blasting and/or a swing-type headache ball and/or sledging the concrete into sizes as can be handled for disposal.

Concrete portions of structures below the permanent ground line, which will not in any manner interfere with proposed or future construction, may be left in place. The removal shall be carried at least 2 feet below the permanent ground line and/or present or proposed roadbed and neatly squared off. Reinforcement shall be cut off close to the concrete.

B. Culverts

Pipe culverts shall be removed by excavating all dirt on top and within 6 inches of the sides in such manner that the pipe will not be damaged.

C. Steel Structures

Steel structures or steel portions of structures shall be dismantled in sections as determined by the Engineer. The sections shall be of such weight and dimensions as will permit convenient handling, hauling, and storing. Rivets and bolts connecting steel railing members, steel beams of beam spans and steel stringers of truss spans shall be removed by cutting the heads with a "cold cut" and punching or drilling from the hole, or by such other methods as will not injure the members for re-use and will meet the approval of the Engineer. The removal of rivets and bolts from connections of truss members, bracing members, and other similar members in the structures will not be required unless specifically called for on the plans or special provisions and the Contractor shall have the option of dismantling these members by flamecutting the members immediately adjacent

to the connections. Flamecutting will not be permitted, however, when plans or other special provisions call the structure unit to be salvaged in such manner as to permit re-erection. In such case, all members shall be carefully match-marked with paint in accordance with diagram furnished by the Engineer prior to dismantling of welded steel plate or fabricated welded steel structures shall be in accordance with the first portion of this paragraph and the plans and special provisions.

D. Timber Structures

Timber structures or timber portions of structures shall be removed in such manner as to damage the timber for further use as little as possible. All bolts and nails shall be removed from such lumber as deemed salvageable by the Engineer.

E. Brick or Stone Structures

Brick or stone structures or stone portions of structures shall be removed by blasting and/or sledging the masonry into such sizes as can be handled for disposal.

Portions of such structures below the permanent ground line, which will not in any manner interfere with the proposed or future construction, may be left in place. The removal shall be carried at least 2 feet below the permanent ground line, unless otherwise specified on the plans, and neatly squared off.

50.3 SALVAGE

All material such as pipe culverts, pipe fittings, valves, structural steel, timber, railings, manhole rings and lids, valve and cleanout boxes, etc., which is deemed salvageable by the Engineer, shall be carefully handled and placed in neat piles or such places designated by the Engineer and/or shown on the plans.

All materials salvaged shall be the property of the City of Odessa unless otherwise stated by the proposal, or shown on the plans. Materials which are not deemed salvageable by the Engineer shall become the property of the Contractor and shall be removed to suitable disposal sites off of the job site and arranged for by the Contractor; or otherwise disposed of in a manner satisfactory to the Engineer. Disposal shall not create an eyesore anywhere within the City limits.

50.4 BACKFILL

All excavation made in connection with the destruction and/or removal of structures or portions thereof shall be backfilled to the level of the original ground line, unless otherwise directed by the Engineer and/or provided on the plans. All backfill operations are to conform to Item 100 "Excavation, Trenching and Backfilling for Utility Systems and Structures", or as shown on the plans and/or directed by the Engineer.

50.5 MEASUREMENT

The work as provided for by this item shall be measured as a unit job or as each individual structure to be moved, removed or demolished or demolished and removed.

50.6 PAYMENT

The work as prescribed for in this item shall be paid for at the unit price bid for "Removing Old Structures", which price shall be full compensation for all work, labor, tools, equipment, excavation, backfilling, materials, and incidentals necessary to complete the work.