

204 - EXCAVATION AND BACKFILL FOR STRUCTURES

204.1 DESCRIPTION

Work under this item shall consist of all necessary excavation for structures including the removal and disposal of all excess excavated materials, backfill around the completed structural element and related work. All work shall be done in accordance with Section 204 of the Standard Specifications and the following requirements.

204.2 CONSTRUCTION REQUIREMENTS

a. Excavation and Removals

All removal work which might endanger the new structure shall be completed before any work on the new structure is started. Partial removals of any structure or adjustments of any utility shall be made with care to preserve the value of the retained portions. Work around any live utility shall be done in such a manner that uninterrupted service can be maintained, or relocated. Excavated material which is unsuitable for backfill and excess material not required for backfill shall be disposed of off-site at an approved disposal site in compliance with local, federal and state regulations.

b. Backfill

Backfill material shall be free from large or frozen lumps greater than 3 inches, wood, or other extraneous material. All spaces excavated and not occupied by the new structure or by porous backfill shall be refilled with earth to the original ground surface or to the finished ground lines shown on the plans. No measurement will be made of backfill or compaction of backfill around structures except that portion above the original ground line which is situated within an embankment designated to be compacted. All backfill shall be thoroughly compacted and its top surface neatly graded. The backfill at abutments which fall within the limits of the roadbed, shall be placed in successive 6 inch lifts and uniformly compacted to a minimum of Type AA, MR 3-3 in accordance with Section 205 of the Standard Specifications. Backfill placed adjacent to walls shall be compacted with light equipment to prevent over stressing the walls. Backfill placed around piers shall be kept at approximately the same elevation on opposing sides. Areas to receive fill shall be stripped of all vegetation and topsoil prior to placement of fill. Existing slopes greater than 4 horizontal to 1 vertical shall be benched to assure adequate bonding between existing slope and the fill.

204.3 MEASUREMENT AND PAYMENT

Excavation and backfill around any structure will not be paid for directly, but shall be considered subsidiary to other bid items in the contract.