

**SECTION 02265****TAMPED FILL****02265.01 GENERAL****A. Description**

Tamped fill shall include, but not necessarily be limited to, compacting embankment and backfill materials by means of mechanical tampers or vibratory compactors as directed by the Engineer and in accordance with the Contract Documents. This method of compaction shall be used wherever embankment and backfill materials cannot be adequately compacted by other approved methods. This item does not include the furnishing of the embankment or backfill material.

**B. Related Work Included Elsewhere**

1. Trench excavation, backfill, and compaction; Section 02250.
2. Embankment construction; Section 02260.

**C. Quality Assurance****1. Materials**

All tamped fill materials will be subject to test by the Engineer to determine the material's compliance with these Specifications. When specific materials tests are called for in the referenced standards and specifications, the Engineer will have the option of requiring that any or all of these tests be performed for materials furnished for a specific project. When testing is required, it will be specified herein or in the "Special Provisions".

**2. Field Test**

- a. The County will arrange for all in-place moisture/density testing on the Project. The Engineer shall determine the number of samples to be taken and the frequency of tests required to confirm compliance with the Specifications. The Contractor shall assist the Engineer in obtaining samples and shall provide a smooth surface for conducting moisture/density tests. The Contractor will not be entitled to any claim for additional compensation due to the testing requirements specified herein.
- b. At the start of tamped fill construction, the Contractor shall demonstrate to the Engineer that the compaction density specified in Section 02260.03 can be attained by the compaction equipment and methods the Contractor intends

to use. Once the method and equipment has been approved, no substitutions will be permitted without the Engineer's approval.

- c. Should testing determine that the required density is not being met, or the material is outside the specified moisture range, the Contractor shall, without additional compensation, re-excavate, rework, and/or re-compact the particular layer or section until the required density and moisture are attained.

**D. Detailed Material Requirements**

Embankment and backfill material used for tamped fill shall meet the requirements of Section 02260.02.

**E. Submittals**

None.

**02265.02 MATERIALS**

**A. Material Furnished by the County**

The County will not furnish any materials for tamped fill.

**B. Contractor's Options**

The Contractor may use suitable materials obtained from general, structure, borrow, trench, and other excavations for the construction of tamped fill.

**02265.03 EXECUTION**

**A. General**

After permission has been given by the Engineer to backfill, the areas to be tamped shall be filled with approved materials furnished from excavation and supplemented by additional approved material, if directed, from borrow excavation. This material shall be placed in horizontal layers not over 6 inches in loose depth over the entire area to be tamped and uniformly compacted by means of mechanical tampers or vibratory compactors so as to meet the requirements of Section 02260.03. If the material is too dry for proper compaction, it shall be moistened as necessary to achieve optimum compaction density.

**B. Backfilling Around Structures**

In backfilling abutments, retaining walls, culverts, foundations, or other structures, special care shall be taken to prevent any wedging action against the structure by the material being compacted; and existing slopes to be filled against shall be benched or stepped. The backfill shall then be built up in horizontal layers as described above and wide enough that there shall

be a horizontal berm of thoroughly compacted material behind the structure at all times for a distance at least equal to the height of the structure remaining to be backfilled, except insofar as undisturbed material cannot be adequately compacted by other methods. In the case of structures installed below subgrade in embankments, the tamped fill shall be placed to a depth of 1 foot over the top of the structure, while in excavation sections the tamped fill shall extend to the surface of the finished earthwork.

**02265.04 METHOD OF MEASUREMENT**

The work involved in compacting embankments and backfills by mechanical tampers or vibratory compactors will not be measured separately for payment but will be considered as incidental to other items except when this work is specifically included in the Proposal as a pay item identified as Tamped Fill.

When the work is included in the Proposal as a pay item, the quantities of tamped fill to be paid for will be the volume satisfactorily compacted and measured by the Method of Average End Area in its final position within the limits described above or shown on the Plans.

**02265.05 BASIS OF PAYMENT**

If the Contract does not contain a separate item for Tamped Fill, the work will not be paid for directly, but will be considered an incidental part of the work to be paid for at the price bid for the type of excavation from which the embankment or backfill material was obtained.

When an item for Tamped Fill is included in the Proposal, this work will be paid at the unit price bid per cubic yard for Tamped Fill, which price will include furnishing labor, equipment, and incidentals necessary to complete the item.