

## **20200100 EARTH EXCAVATION (LCDOT)**

Effective: January 1, 2007

Revised: January 28, 2015

**Description:** This work shall consist of the excavation and transportation of suitable excavated material to embankment locations throughout the limits of the project. This work shall also consist of the excavation, transportation and off-site disposal of excess and unsuitable materials.

### **For this Project the Earth Excavation shall consist of:**

1.  *Excavation to the subgrade elevation.*
2.  *Excavation for topsoil placement.*
3.  *The removal of existing hot-mix asphalt pavement and aggregate base course not included in any other pay item.*
4.  *Undercutting, as determined by the Engineer to include:*
  - a.  *Removal of existing topsoil under proposed embankment.*
  - b.  *Removal of unsuitable material in wet areas.*
5.  *Undercutting, based on the recommendations of the soil survey and report.*
  - a. *An estimated quantity of excavation for undercutting has been included in the quantity of Earth Excavation and is shown on the plans.*  
*Undercutting may be employed only at the discretion of the Engineer after it has been determined that the provisions of Section 301 of the "Standard Specifications" will not yield sufficient results to allow the timely progress of the project.*
  - b. *Undercutting may be employed only at the discretion of the Engineer after it has been determined that the provisions of Section 301 of the "Standard Specifications" will not yield sufficient results to allow the timely progress of the project.*

**General:** This work shall conform to the requirements of Section 202 of the "Standard Specifications" and the following:

Removal and disposal of unstable, unsuitable and/or excess material will not be paid for separately, but is included in the contract unit price for Earth Excavation. All unstable, unsuitable and/or excess material shall be disposed of outside the right-of-way according to Article 202.03 of the "Standard Specifications".

All suitable excess material from sewer trenches, side roads, entrances or other necessary excavations may be used in the construction of the roadway. Placement and compaction of this material shall be considered included in the unit price for Earth Excavation.

Excavation required to: clean side road ditches, construct driveways, and/or construct side road approaches, will not be paid for separately, but shall be considered included in the unit cost of Earth Excavation.

Earth moved more than once due to construction staging and/or procedures selected by the Contractor, will not be paid for separately, but shall be considered included in the unit cost of Earth Excavation.

When embankments are to be widened, if directed by the Engineer, steps shall be cut into the existing slopes according to Article 205.03 of the "Standard Specifications" and the IDOT D1 standard BD-51 Benching Detail for Embankment Widening, at no additional cost to the contract.

**Incidental Dewatering:** In the event that excavations require dewatering, the Contractor shall furnish all labor, equipment and material necessary for dewatering. All dewatering operations shall be approved by the Engineer before implementation. For projects covered by an NPDES Permit the Contractor shall develop a dewatering plan in compliance with NPDES regulations. The plan shall be submitted to the Engineer and Lake County Stormwater Management Commission (LCSMC) for approval. The cost of all equipment, materials and labor necessary to comply with the above provisions will not be paid for separately, but shall be considered included in the unit price for Earth Excavation, and no additional compensation will be allowed.

**A Soil Survey and Report:**

- Was performed – A copy is available online with the project plans and contract specifications and it is available for inspection and review at LCDOT.*
- Was not performed.*

**Method of Measurement:** Earth Excavation will be measured in its original position and the volume in cubic yards computed by the method of average end areas.

**Basis of Payment:** This work will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION. *The unit price shall include all equipment and labor required to excavate, transport and distribute earth.*