

- 1 Payment for material that the Engineer directs to be removed beyond the limits of the original
2 slope stakes will be made in accordance with Article 104-3.
- 3 If needed, investigative work within the top 12 inches of the subgrade to determine the
4 necessity for rock undercut will be paid in accordance with Article 104-7.
- 5 Payment includes, but is not limited to, excavation, blasting, hauling anywhere along the
6 project both within and across balance points shown in the plans, removal of undesirable
7 material, removal of sidewalk, driveways, curb and gutter, endwalls, traffic islands and
8 drainage structures, disposal of materials, formation and compaction of embankments,
9 subgrades and shoulders, the cutting off, plugging and removal of private utility lines and
10 underground tanks, any backfilling required, removing any existing shoulder drain or subdrain
11 pipe and maintaining the work.
- 12 Payment for false sumps will be classified as *Unclassified Excavation*, *Borrow Excavation* or
13 included in *Grading-Lump Sum*. Payment as *Unclassified Excavation* or *Borrow Excavation*
14 will be at the contract unit price per cubic yard.
- 15 Excavation done in the shaping of old roadways in accordance with Section 808 is paid as
16 *Unclassified Excavation*.
- 17 Where slides and overbreaks occur due to negligence or carelessness on the part of the
18 Contractor, the removal and disposal of said slides and overbreaks will be incidental to the
19 work of this section.
- 20 Payment will be made under:

Pay Item	Pay Unit
Unclassified Excavation	Cubic Yard
Undercut Excavation	Cubic Yard

21 **SECTION 226**
22 **COMPREHENSIVE GRADING**

23 **226-1 DESCRIPTION**

24 The work covered by this section consists of all elements of work covered by Sections 200,
25 225, 230, 235, 250, 500 and 560, except that the requirements of the above-referenced
26 sections pertaining to measurement and payment will not apply unless specific reference is
27 made to such.

28 **226-2 CONSTRUCTION METHODS**

29 Perform the work in accordance with Sections 200, 225, 230, 235, 250, 500 and 560.

30 **226-3 MEASUREMENT AND PAYMENT**

31 Seeding and mulching of all borrow sources will be measured and paid at the contract unit
32 prices for such items established in the contract.

33 Payment for material that the Engineer directs the Contractor to obtain from borrow sources
34 to backfill box culverts, drainage structures or structure bents will be made in accordance with
35 Article 104-7.

36 Payment for material that the Engineer directs to be removed beyond the limits of the original
37 slope stakes will be made in accordance with Article 104-3.

38 *Grading* will be paid at the contract lump sum price. Partial payments will be equal to the
39 percentage of such item that is complete as estimated by the Engineer. No separate payment
40 will be made for clearing and grubbing, shoulder and fill slope material or draining borrow
41 sources as such work will be incidental to the work covered by this section.

Section 230

1 Clearing and grubbing work that is directed to be performed on areas outside the limits
2 originally staked or beyond the limits of the right of way or easements shown on the original
3 plans will be measured and paid at the contract unit price per acre for *Supplementary Clearing*
4 *and Grubbing*. All measurements will be made horizontally. Where the contract does not
5 include this item, a unit price per acre will be established by supplemental agreement.

6 *Undercut Excavation* will be measured and paid at the contract unit price per cubic yard. No
7 separate payment will be made for materials used in backfilling the undercut areas, shoulders
8 and slope areas as payment at the contract unit price per cubic yard for *Undercut Excavation*
9 will be full compensation for furnishing such material. Where the contract does not include
10 a pay item for *Undercut Excavation*, payment for such excavation will be made in accordance
11 with Article 104-7.

12 Payment will be made under:

Pay Item	Pay Unit
Grading	Lump Sum
Supplementary Clearing and Grubbing	Acre
Undercut Excavation	Cubic Yard

13 **SECTION 230**
14 **BORROW EXCAVATION**

15 **230-1 DESCRIPTION**

16 Excavate approved material from borrow sources. Haul and use such material as required in
17 the plans or as directed. Do not use borrow excavation until all available suitable unclassified
18 excavation has been incorporated into the embankments, subgrades and shoulders except by
19 execution of a supplemental agreement documenting the conditions prescribed below.

20 (A) All suitable unclassified excavation wasted as a result of the early use of borrow material
21 will be deducted from the total volume of borrow excavation paid under the contract.

22 (B) Reimburse the Department for all additional costs, including additional engineering cost,
23 associated with the wasting of suitable unclassified excavation.

24 (C) Any claim for contract time extensions related to the early use of borrow is waived
25 should the Contractor use borrow material before all suitable unclassified excavation
26 being incorporated into the project pursuant to a supplemental agreement.

27 (D) The Contractor specifically waives rights to request additional compensation with regard
28 to the early use of borrow under the compensation requirements of Section 104 except
29 when unclassified excavation is a major contract item and that unclassified excavation
30 overruns by more than 25%.

31 Where the work required to complete the project is so phased by the plans to preclude using
32 suitable unclassified excavation, the Contractor will be permitted to construct the required
33 embankments, subgrades or shoulders so controlled by the phasing from approved borrow
34 materials without having to execute the above required supplemental agreement.

35 **230-2 COORDINATION WITH SEEDING OPERATIONS**

36 Coordinate the work in this section with the construction of embankments in accordance with
37 Article 225-2.

38 **230-3 MATERIALS**

39 Refer to Division 10.

Item	Section
Borrow Material	1018
Shoulder and Slope Material	1019