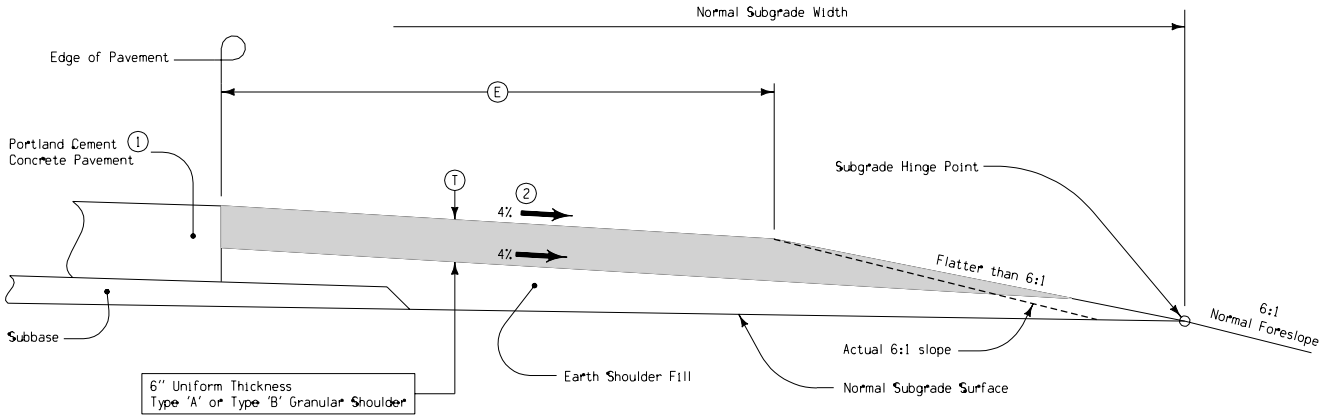


TYPICAL SHOULDER SECTION

GENERAL NOTES:

Construction of the Type 'A' or Type 'B' granular shoulder shall conform to the requirements for "Granular Shoulders" of the current Standard Specifications and as noted and detailed hereon.

Earth shoulder fill shall be placed in accordance with current Standard Specifications for "Granular Shoulders". Refer to detail project plans for estimated quantity of material required. Earth material shall be obtained from adjacent areas at the direction of the Engineer.

Any special shaping of subgrade necessary prior to construction of Type 'A' or Type 'B' granular shoulder shall be accomplished as directed by the Engineer. Any material removed due to this special shaping shall be uniformly spread on the foreslopes or otherwise disposed of as directed by the Engineer.

Natural subgrade prior to placement to Type 'A' or Type 'B' granular shoulder material shall be adequately compacted and smoothed for proper construction of shoulder.

This work will be measured and paid for in accordance with Section 2121 of the Standard Specifications.

(1) Refer to Typical Cross Section and detail project plans for exact shape and dimensions of adjacent pavement.

(2) Refer to Typical Cross Sections and detail project plans for details of slope variation through superelevated curves.

(3) One shoulder per station.

(4) Quantities have been determined on the basis of a design weight of 140 lbs. per cubic foot and have been adjusted for the flatter than 6:1 slope at the outside edge. Quantities indicated are for design purposes and may be adjusted at the time of construction if so directed by the Engineer.

TABLE OF DESIGN QUANTITIES (3) (4)

| TYPE 'A' OR TYPE 'B' GRANULAR SHOULDER | | | | |
|---|---|---|---|---|
| (E) | 4.0' | 6.0' | 8.0' | 10.0' |
| (T) | Tons/Sta. | Tons/Sta. | Tons/Sta. | Tons/Sta. |
| 6" | 24.36 | 31.36 | 38.36 | 45.36 |

Iowa Department of Transportation
*Highway Division*

**STANDARD ROAD PLAN RH-37D**

REVISION: Remove "Normal Design Shoulder Width" from dimension E; Show new quantites based on 140 Lbs / cubic foot..

REVISION NO. 5

Mitchell A Dillavou 12-05-00
APPROVED BY DESIGN METHODS ENGINEER

REVISION DATE 04-03-01

TYPE 'A' OR 'B' GRANULAR SURFACED SHOULDER (ADJACENT TO PCC PAVEMENT)