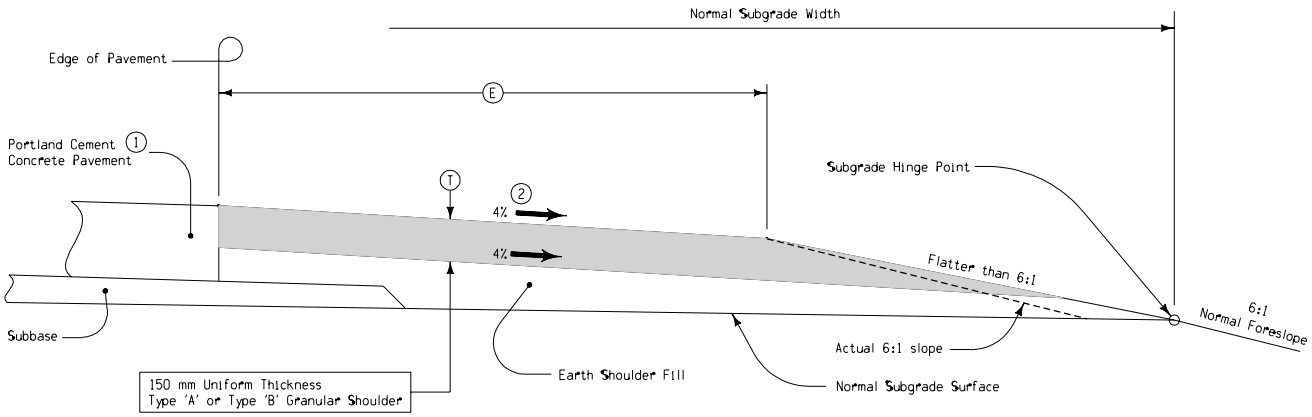

TYPICAL SHOULDER SECTION

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 materical removed due to special shaping may be used as earth fill, Class 10 excavation, Class 13 excavation, or on other suitable areas on the project as approved by the Engineer.

Natural subgrade prior to placement of 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 density of 2250 kilograms per cubic meter 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

T	E = 1.2 m	E = 1.8 m	E = 2.4 m	E = 3.0 m
	Mg/Sta	Mg/Sta	Mg/Sta	Mg/Sta
150	71.14	91.40	111.64	131.90

All dimensions given in millimeters unless noted.

M

Iowa Department of Transportation
Highway Division

METRIC VERSION

STANDARD ROAD PLAN **RH-37D**

REVISION: Remove "Normal Design shoulder Width" from dimension E; Show new quantites based on 2250 kilograms/cubic meters.

REVISION NO. 6

REVISION DATE 04-03-01

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

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