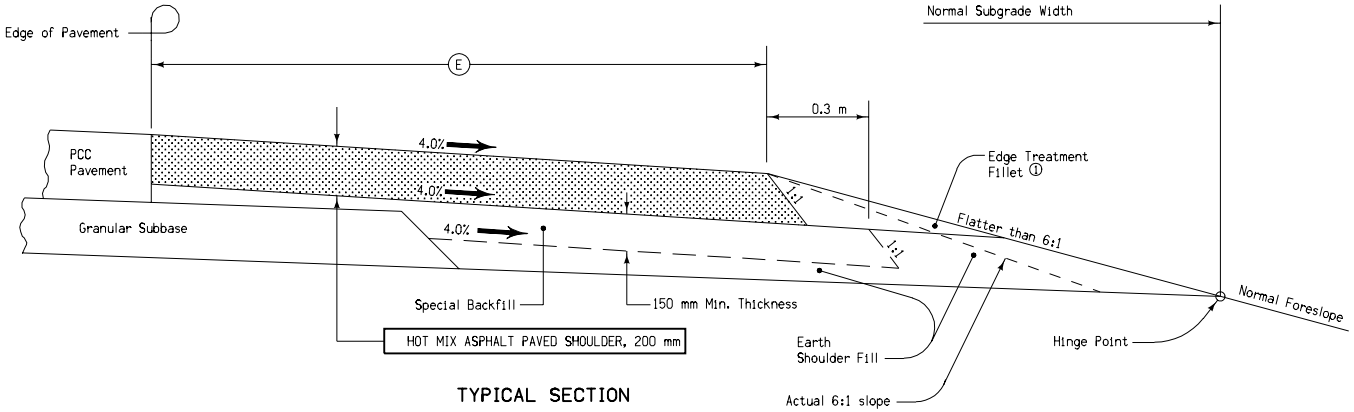
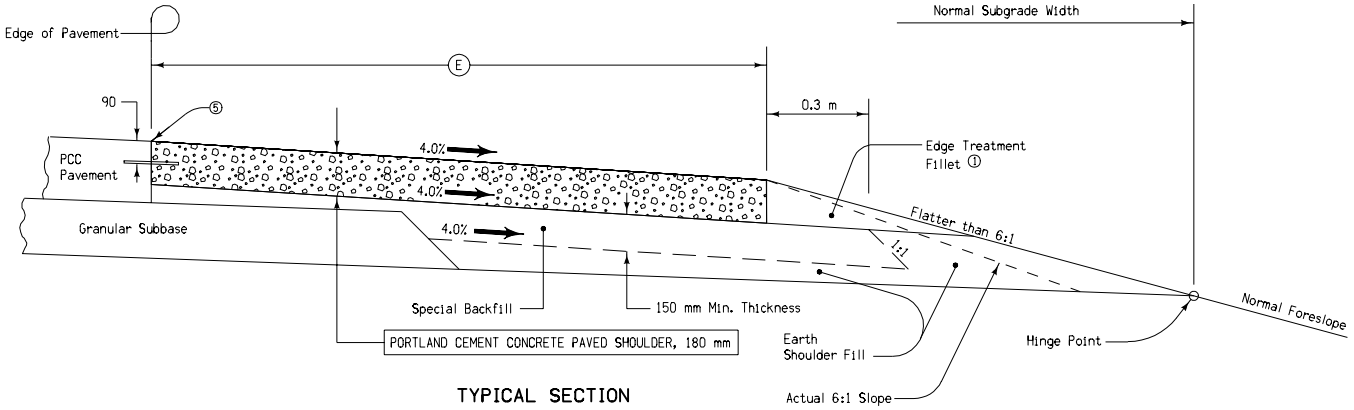


TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER



TYPICAL SECTION
P.C. CONCRETE PAVED SHOULDER

GENERAL NOTES:

Payment for "Special Backfill" shall be based on a uniform 150 millimeter thickness. The thickness may be exceeded at the Contractor's option with no compensation for the additional material.

① Refer to the appropriate Detail Drawing.

② Rates indicated are for design purposes. Quantities listed are for one shoulder per station.

③ Quantities shown are based on a design density of 2325 kilograms per cubic meter for Hot Mix Asphalt Mixture (1,000,000 ESAL), Base Course, 12.5 millimeter or 19 millimeter mix, with an asphalt content of 6%. Asphalt Binder PG58–28 shall be utilized with this mix.

④ Includes quantity for tack coating vertical face of adjacent pavement prior to placement of any base material. Tack Coat estimated at one (1) application at 0.2 liters per square meter.

⑤ 'BT–1' or 'BT–3' joint, refer to RH–51.

Design Quantity Table ②

Ⓔ	Shoulder Surface Area	HMA Shoulder ③			PCC Shoulder Volume
		HMA	Asphalt Binder	Tack Coat ④	
m	m^2	Mg	Mg	L	m^3
1.2	120.0	60.45	3.63	32.0	21.60
1.8	180.0	88.35	5.30	44.0	32.40
2.4	240.0	116.25	6.98	56.0	43.20
3.0	300.0	144.15	8.65	68.0	54.00

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RH-41A**

REVISION: Modify note 3.

REVISION NO. 21

REVISION DATE 10-19-04

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

PAVED SHOULDER ALTERNATES
(200 mm HMA AND 180 mm PCC)