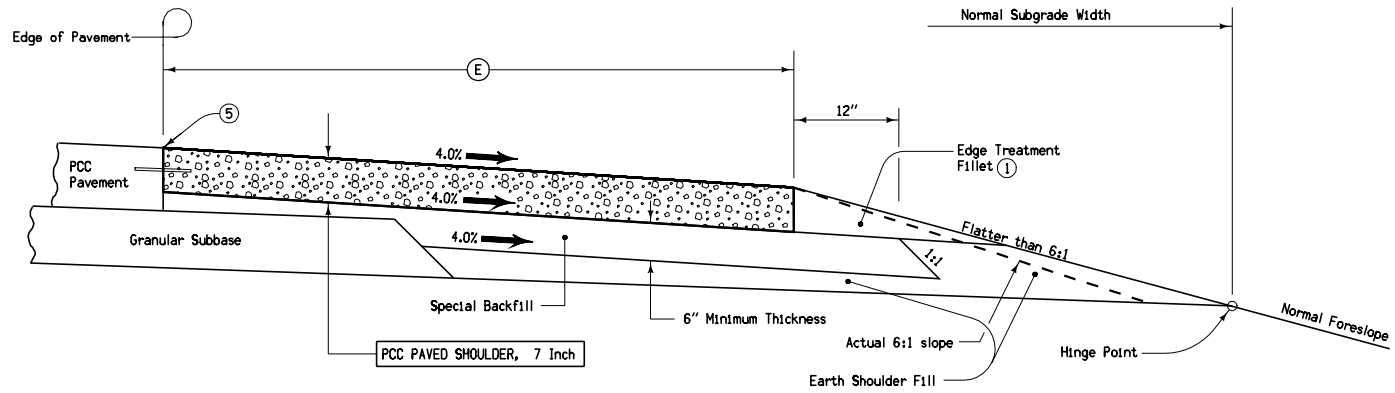


**TYPICAL SECTION
HMA PAVED SHOULDER**



**TYPICAL SECTION
PCC PAVED SHOULDER**

- ① Refer to the appropriate Typical.
- ② Rates indicated are for design purposes. Quantities listed are for one shoulder per station.
- ③ Quantities shown are based on a design weight of 145 lbs/cu. ft. for Hot Mix Asphalt Mixture (1,000,000 ESAL), Base Course, 1/2" or 3/4" 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 0.05 gal./sq. yd.
- ⑤ 'BT-1' or 'BT-3' joint. Refer to Standard Road Plan RH-51.

Design Quantity Table ②

Shoulder Surface Area (HMA and PCC)		HMA Shoulder ③												PCC Shoulder					
		Hot Mix Asphalt				Asphalt Binder				Tack Coat ④				Volume					
Sq. Yds.		Tons				Tons				Gallons				Cu. Yds.					
E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'	E=4'	E=6'	E=8'	E=10'
44.44	66.67	88.89	111.11	20.94	30.61	40.28	49.94	1.26	1.84	2.42	3.00	2.96	4.07	5.19	6.30	8.64	12.96	17.28	21.60

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISIONS: Corrected Design Quantity Table, Removed "Special Backfill" general note.

Deanna Masfeld
APPROVED BY DESIGN METHODS ENGINEER

REVISION	
21	10-21-08

RH-41A

SHEET 1 of 1

PAVED SHOULDER ALTERNATES
(8" HMA AND 7" PCC)