



**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.

**Contract Items:**  
 Paved Shoulder, Hot Mix Asphalt Mixture, 200 mm  
 Special Backfill

- ① Refer to the appropriate Detail Drawing.
- ② Quantities listed are for one shoulder per station. Quantities indicated are for design purposes.
- 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 0.20 liters per square meter.

Design Quantity Table ②				
Hot Mix Asphalt ③				
④	Shoulder Surface Area	Hot Mix Asphalt	Asphalt Binder	Tack Coat ④
m	m <sup>2</sup>	Mg	Mg	L
1.2	120.0	55.80	3.35	29.66
1.8	180.0	83.70	5.02	41.66
2.4	240.0	111.60	6.70	53.66
3.0	300.0	139.50	8.37	65.66

All dimensions given in millimeters unless noted.

<b>M</b>	Iowa Department of Transportation Highway Division	
	<b>STANDARD ROAD PLAN</b>	<b>RJ-33</b>
	REVISION: Modify note 3. 	REVISION NO. 17 REVISION DATE 10-19-04
	APPROVED BY DESIGN METHODS ENGINEER <b>PAVED SHOULDER</b> <b>200 mm HMA</b> <b>(ADJACENT TO HMA PAVEMENT)</b>	