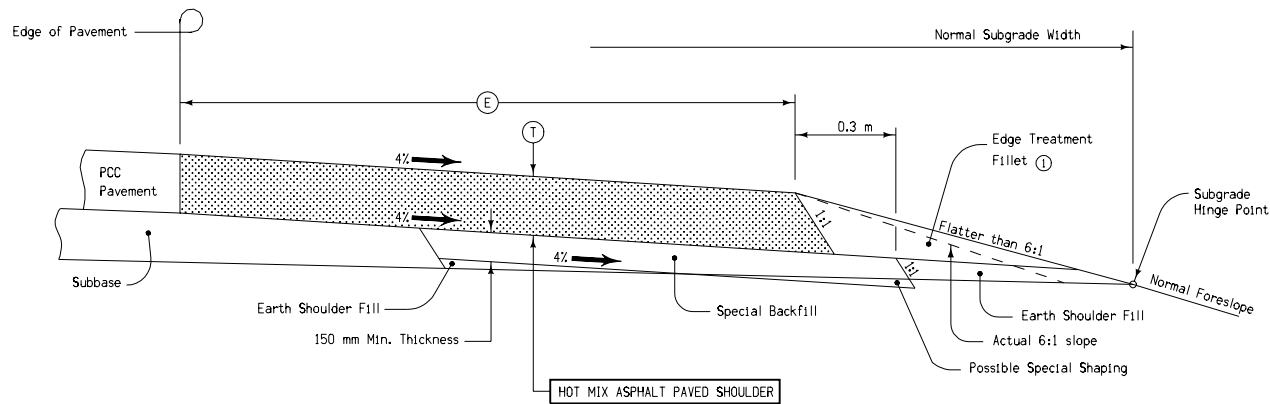


GENERAL NOTES:

Payment for "Special Backfill" shall be based on a uniform 150 millimeters 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
- Special Backfill



**TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER**

- 1 Refer to the appropriate Detail Drawing.
- 2 Quantities 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 of 0.02 L/m².

Design Quantity Table 2

T	E = 1.2 m				E = 1.8 m				E = 2.4 m				E = 3.0 m			
	Area m ²	HMA ³ Mg	Asphalt Binder Mg	Tack Coat Liters	Area m ²	HMA ³ Mg	Asphalt Binder Mg	Tack Coat Liters	Area m ²	HMA ³ Mg	Asphalt Binder Mg	Tack Coat Liters	Area m ²	HMA ³ Mg	Asphalt Binder Mg	Tack Coat Liters
200	120.0	60.5	3.63	32.0	180.0	88.4	5.30	44.0	240.0	116.3	6.98	56.0	300.0	144.2	8.65	68.0
210	120.0	63.7	3.82	32.4	180.0	93.0	5.58	44.4	240.0	122.3	7.34	56.4	300.0	151.6	9.10	68.4
220	120.0	67.0	4.02	32.8	180.0	97.7	5.86	44.8	240.0	128.4	7.70	56.8	300.0	159.1	9.55	68.8
230	120.0	70.3	4.22	33.2	180.0	102.4	6.14	45.2	240.0	134.5	8.07	57.2	300.0	166.6	10.0	69.2
240	120.0	73.7	4.42	33.6	180.0	107.1	6.43	45.6	240.0	140.6	8.44	57.6	300.0	174.1	10.45	69.6
250	120.0	77.0	4.62	34.0	180.0	111.9	6.71	46.0	240.0	146.8	8.81	58.0	300.0	181.6	10.90	70.0
260	120.0	80.4	4.82	34.4	180.0	116.7	7.00	46.4	240.0	152.9	9.17	58.4	300.0	189.2	11.38	70.4
270	120.0	83.8	5.03	34.8	180.0	121.5	7.29	46.8	240.0	159.1	9.55	58.8	300.0	196.8	11.81	70.8
280	120.0	87.2	5.23	35.2	180.0	126.3	7.58	47.2	240.0	165.4	9.92	59.2	300.0	204.4	12.26	71.2
290	120.0	90.7	5.44	35.6	180.0	131.1	7.87	47.6	240.0	171.6	10.30	59.6	300.0	212.1	12.73	71.6
300	120.0	94.2	5.65	36.0	180.0	136.0	8.16	48.0	240.0	177.9	10.66	60.0	300.0	219.7	13.18	72.0

All dimensions given in millimeters unless noted.

M	Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN RH-41C	
	REVISION: Add asphalt design quantities.	REVISION NO. 17
	APPROVED BY: <i>Deanna Mayfield</i> DESIGN METHODS ENGINEER	REVISION DATE 04-19-06
PAVED SHOULDER FULL DEPTH HOT MIX ASPHALT (ADJACENT TO PCC PAVEMENT)		