



TYPICAL SECTION
HOT MIX ASPHALT PAVED SHOULDER

GENERAL NOTES:

Payment for "Special Backfill" shall be based on a uniform 6 inch 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

- 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 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.

Design Quantity Table ②

①	③ E = 4'				③ E = 6'				③ E = 8'				③ E = 10'			
	Surface Area Sq. Yds.	HMA ③ Tons	Asphalt Binder ③ Tons	Tack Coat ④ Gallons	Surface Area Sq. Yds.	HMA ③ Tons	Asphalt Binder ③ Tons	Tack Coat ④ Gallons	Surface Area Sq. Yds.	HMA ③ Tons	Asphalt Binder ③ Tons	Tack Coat ④ Gallons	Surface Area Sq. Yds.	HMA ③ Tons	Asphalt Binder ③ Tons	Tack Coat ④ Gallons
8.0"	44.44	20.94	1.26	2.96	66.67	30.61	1.84	4.07	88.89	40.28	2.42	5.19	111.11	49.94	3.00	6.30
8.5"	44.44	22.36	1.34	3.01	66.67	32.63	1.96	4.12	88.89	42.90	2.57	5.23	111.11	53.17	3.19	6.34
9.0"	44.44	23.79	1.42	3.06	66.67	34.67	2.08	4.17	88.89	45.54	2.73	5.28	111.11	56.41	3.38	6.39
9.5"	44.44	25.23	1.51	3.10	66.67	36.71	2.20	4.21	88.89	48.19	2.89	5.32	111.11	59.67	3.58	6.44
10.0"	44.44	26.68	1.60	3.15	66.67	38.77	2.33	4.26	88.89	50.85	3.05	5.37	111.11	62.93	3.78	6.48
10.5"	44.44	28.15	1.69	3.19	66.67	40.84	2.45	4.31	88.89	53.53	3.21	5.42	111.11	66.21	3.97	6.50
11.0"	44.44	29.63	1.78	3.24	66.67	42.92	2.58	4.35	88.89	56.21	3.37	5.46	111.11	69.50	4.17	6.57
11.5"	44.44	31.12	1.87	3.29	66.67	45.02	2.70	4.40	88.89	58.91	3.53	5.51	111.11	72.81	4.37	6.62
12.0"	44.44	32.62	1.96	3.33	66.67	47.13	2.83	4.44	88.89	61.63	3.70	5.56	111.11	76.12	4.57	6.67
12.5"	44.44	34.14	2.05	3.38	66.67	49.25	2.96	4.49	88.89	64.35	3.86	5.60	111.11	79.45	4.77	6.71

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN RH-41C

REVISION: Add asphalt design quantities. REVISION NO. 17
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APPROVED BY DESIGN METHODS ENGINEER

PAVED SHOULDER
FULL DEPTH HOT MIX ASPHALT
(ADJACENT TO PCC PAVEMENT)