

HOT-MIX ASPHALT CALCULATIONS

		STATION		LENGTH	WIDTH	AREA	HMA SC	HMA BC	40603550	40603245	40600100	40600300	X0322729	
		TO	STATION	(FOOT)	(FOOT)	(SQ YD)	THICKNESS	THICKNESS	P HMA SC	P HMA BC	BIT MATLS	AGG PR CT	MATERIAL	
							(INCHES)	(INCHES)	MIX "D"	IL 19.0	PR CT	(TONS)	TRANSFER	
									N105	N105	(GAL)	(TONS)	DEVICE	
									(TONS)	(TONS)			(TON)	
<b>I-74 MAINLINE</b>														
EB	DL	1555+00.00	EB DL 1566+99.27	1199.3	12	1599.0		7.00	0.0	626.8	159.9	3.2	626.8	
EB	PL	1555+00.00	EB PL 1566+99.27	1199.3	12	1599.0	1.5		134.3	0.0	159.9	3.2	134.3	
EB		1566+99.27	EB	200.0	24	533.3	3.5		104.5	0.0	53.3	1.1	104.5	
WB	DL	1555+00.00	WB DL 1566+16.73	1116.7	12	1489.0		7.00	0.0	583.7	148.9	3.0	583.7	
WB	PL	1555+00.00	WB PL 1566+16.73	1116.7	12	1489.0	1.5		125.1	0.0	148.9	3.0	125.1	
WB		1566+16.73	WB	200.0	24	533.3	3.5		104.5	0.0	53.3	1.1	104.5	
EB	DL	1566+99.27	EB DL 1622+91.36	5392.1	12	7189.5		7.00	0.0	2818.3	718.9	14.4	2818.3	
EB	PL	1566+99.27	EB PL 1622+91.36	5392.1	12	7189.5	1.5		603.9	0.0	718.9	14.4	603.9	
EB		1622+91.36	EB	200.0	24	533.3	3		89.6	0.0	53.3	1.1	89.6	
WB	DL	1566+16.73	WB DL 1622+09.32	5392.6	12	7190.1		7.00	0.0	2818.5	719.0	14.4	2818.5	
WB	PL	1566+16.73	WB PL 1622+09.32	5392.6	12	7190.1	1.5		604.0	0.0	719.0	14.4	604.0	
WB		1622+09.32	WB	200.0	24	533.3	3		89.6	0.0	53.3	1.1	89.6	
EB	DL	1624+91.36	EB DL 1736+38.77	11147.4	12	14863.2		7.00	0.0	5826.4	1486.3	29.7	5826.4	
EB	PL	1624+91.36	EB PL 1736+38.77	11147.4	12	14863.2	1.5		1248.5	0.0	1486.3	29.7	1248.5	
EB		1736+38.77	EB	200.0	24	533.3	1.5	3.00	44.8	89.6	53.3	1.1	134.4	
WB	DL	1624+09.32	WB DL 1737+05.54	11296.2	12	15061.6		7.00	0.0	5904.2	1506.2	30.1	5904.2	
WB	PL	1624+09.32	WB PL 1737+05.54	11296.2	12	15061.6	1.5		1265.2	0.0	1506.2	30.1	1265.2	
WB		1737+05.54	WB	200.0	24	533.3	1.5	3.00	44.8	89.6	53.3	1.1	134.4	
EB	DL	1738+38.77	EB DL 1783+19.02	4480.3	12	5973.7		7.00	0.0	2341.7	597.4	11.9	2341.7	
EB	PL	1738+38.77	EB PL 1783+19.02	4480.3	12	5973.7	1.5		501.8	0.0	597.4	11.9	501.8	
WB	DL	1739+05.54	WB DL 1782+31.42	4325.9	12	5767.8		7.00	0.0	2261.0	576.8	11.5	2261.0	
WB	PL	1739+05.54	WB PL 1782+31.42	4325.9	12	5767.8	1.5		484.5	0.0	576.8	11.5	484.5	
EB	DL	1785+81.99	EB DL 1810+00.00	2418.0	12	3224.0		7.00	0.0	1263.8	322.4	6.4	1263.8	
EB	PL	1785+81.99	EB PL 1810+00.00	2418.0	12	3224.0	1.5		270.8	0.0	322.4	6.4	270.8	
WB	DL	1784+94.39	WB DL 1810+00.00	2505.6	12	3340.8		7.00	0.0	1309.6	334.1	6.7	1309.6	
WB	PL	1784+94.39	WB PL 1810+00.00	2505.6	12	3340.8	1.5		280.6	0.0	334.1	6.7	280.6	
EB	DL	188+88.99	EB DL 246+17.47	5728.5	12	7638.0		7.00	0.0	2994.1	763.8	15.3	2994.1	
EB	PL	188+88.99	EB PL 246+17.47	5728.5	12	7638.0	1.5		641.6	0.0	763.8	15.3	641.6	
EB		246+17.47	EB	200.0	24	533.3	1.5	1.00	44.8	29.9	53.3	1.1	74.7	
EB	DL	248+17.47	EB DL 270+35.85	2218.4	12	2957.8		7.00	0.0	1159.5	295.8	5.9	1159.5	
EB	PL	248+17.47	EB PL 270+35.85	2218.4	12	2957.8	1.5		248.5	0.0	295.8	5.9	248.5	
WB	DL	188+88.99	WB DL 262+00.00	7311.0	12	9748.0		7.00	0.0	3821.2	974.8	19.5	3821.2	
WB	PL	188+88.99	WB PL 270+35.85	8146.9	12	10862.5	1.5		912.4	0.0	1086.2	21.7	912.4	
SUB-TOTAL =									7843.9	33937.8	17893.3	353.9	41781.6	
<b>CARLOCK WEIGH STATION RAMPS</b>														
WB		0+00.00	7+01.75	701.75	23	1793.4	1.5		150.6	0.0	179.3	3.59	150.6	
EB		0+00.00	7+04.24	704.24	23	1799.7	1.5		151.2	0.0	180.0	3.60	151.2	
SUB-TOTAL =									301.8	0.0	359.3	7.2	301.8	
<b>I-74 &amp; US 150 (MITSUBISHI MOTORWAY) RAMPS</b>														
RAMP A		0+00.00	12+80.62	1280.62	16	2276.7	1.5		191.2	0.0	227.7	4.55	191.2	
RAMP B		0+00.00	6+61.04	661.04	16	1175.2	1.5		98.7	0.0	117.5	2.35	98.7	
RAMP C		0+00.00	12+02.49	1202.49	16	2137.8	1.5		179.6	0.0	213.8	4.28	179.6	
RAMP D		0+00.00	6+61.04	661.04	16	1175.2	1.5		98.7	0.0	117.5	2.35	98.7	
SUB-TOTAL =									568.2	0.0	676.5	13.5	568.2	
<b>I-74/ US 51/ I-55 RAMPS</b>														
RAMP C		270+35.80	283+76.42	1340.62	14	2085.4	1.5		175.2	0.0	208.5	4.17	175.2	
RAMP E		270+35.80	291+91.19	2155.39	14	3352.8	1.5		281.6	0.0	335.3	6.71	281.6	
RAMP E	RT	264+40.00	RT 275+50.00	1110.00	VAR.	864.0	1.5		72.6	0.0	86.4	1.73	72.6	
RAMP E	RT	275+50.00	RT 285+94.00	1044.00	VAR.	1740.0	1.5		146.2	0.0	174.0	3.48	146.2	
RAMP F		270+35.80	286+26.90	1591.10	14	2475.0	1.5		207.9	0.0	247.5	4.95	207.9	
SUB-TOTAL =									883.5	0.0	1051.7	21.0	883.5	
TOTAL =									9597.4	33937.8	19780.8	395.6	43535.1	
USE =									9598.0	33938.0	19781.0	396.0	43536.0	

THE VARIOUS PAY ITEMS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATIONS AND LENGTHS MAY OCCUR. ALL MEASUREMENTS SHALL BE VARIFIED BY THE ENGINEER IN THE FIELD PRIOR TO CONSTRUCTION.