

HOT MIX ASPHALT CALCULATIONS																
							40600982	44000155	44000152			40603310	40603335	40600625	40600100-BIT.	40600300-
				LENGTH	WIDTH	AREA	HMA SURF.	HMA SURF.	HMA SURF.	BCSC	LEV BIND	HMA SC	HMA SC	LEVEL	MATLS. (PRIME	AGG. (PRIME
				(FOOT)	(FOOT)	(SQ YD)	REM. (BUTT	REM., 1 1/2"	REM., 3/4"	THICKNESS	THICKNESS	MIX "C"	MIX "D"	BIND. (MM)	COAT	COAT)
							JOINT)	(SQ YD)	(SQ YD)	(INCHES)	(INCHES)	N50	N50	N50		
				759+39.00		100.0		0.0	0.0	1.5	0.75	8.4	0.0	4.2	10.0	0.2
				759+69.00	BK 615.0	2392.0		0.0	2392.0	1.5	0.75	200.9	0.0	100.5	239.2	4.8
				00+00.00	AH 10+00.00	1000.0		0.0	3888.9	1.5	0.75	326.7	0.0	163.3	388.9	7.8
				10+00.00	BK 18+37.66	2233.8		0.0	2233.8	1.5	0.75	187.6	0.0	93.8	223.4	4.5
				18+78.66	AH 28+82.00	973.3		0.0	2595.6	1.5	0.75	218.0	0.0	109.0	259.6	5.2
				28+52.00		30.0		0.0	0.0	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				OMISSION		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				30+85.00		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				30+95.00		5025.0		0.0	13400.0	1.5	0.75	1125.6	0.0	562.8	1340.0	26.8
				81+20.00		174.0		0.0	599.3	1.5	0.75	50.3	0.0	25.2	59.9	1.2
				82+94.00		7318.5		0.0	19516.0	1.5	0.75	1639.3	0.0	819.7	1951.6	39.0
				156+12.50		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				OMISSION		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				156+42.50		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				157+15.00		30.0		0.0	123.3	1.5	0.75	10.4	0.0	5.2	12.3	0.2
				157+45.00		13866.5		0.0	36444.0	1.5	0.75	3061.3	0.0	1530.6	3644.4	72.9
				294+11.50		29.5		0.0	118.0	1.5	0.75	9.9	0.0	5.0	11.8	0.2
				OMISSION		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				294+41.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				296+75.00		30.0		0.0	116.7	1.5	0.75	9.8	0.0	4.9	11.7	0.2
				297+05.00		35.0		0.0	116.7	1.5	0.75	9.8	0.0	4.9	11.7	0.2
				297+05.00	BK 315+83.74	5010.0		0.0	5009.9	1.5	0.75	420.8	0.0	210.4	501.0	10.0
				316+00.00	AH 375+85.50	5985.5		0.0	15961.3	1.5	0.75	1340.8	0.0	670.4	1596.1	31.9
				376+85.50		8436.5		0.0	22497.3	1.5	0.75	0.0	1889.8	944.9	2249.7	45.0
				461+22.00		30.0		0.0	123.3	1.5	0.75	0.0	10.4	5.2	12.3	0.2
				OMISSION		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				461+52.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				461+71.40		30.0		0.0	123.3	1.5	0.75	0.0	10.4	5.2	12.3	0.2
				462+01.40		933.6		0.0	2489.6	1.5	0.75	0.0	209.1	104.6	249.0	5.0
				471+35.00		241.0		0.0	830.1	1.5	0.75	0.0	69.7	34.9	83.0	1.7
				OMISSION		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				473+76.00		0.0		0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				477+41.00		379.0		0.0	1305.4	1.5	0.75	0.0	109.7	54.8	130.5	2.6
				481+20.00		31.0		0.0	1305.4	1.5	0.75	0.0	109.7	54.8	130.5	2.6
				481+20.00	BK 482+06.78	231.4		0.0	231.5	1.5	0.75	0.0	19.4	9.7	23.1	0.5
				482+17.54	AH 492+13.82	2656.7		0.0	2656.8	1.5	0.75	0.0	223.2	111.6	265.7	5.3
				103+00.00	AH 116+58.50	1358.5		0.0	3622.7	1.5	0.75	0.0	304.3	152.2	362.3	7.2
				116+58.50		30.0		0.0	73.3	1.5	0.75	0.0	6.2	3.1	7.3	0.1
				TURN LANE		116+58.50		0.0	462.0	1.5	0.75	0.0	38.8	19.4	46.2	0.9
				NORTH RAMP		670.5		0.0	1937.0	1.5	0.75	0.0	162.7	81.4	193.7	3.9
				1006+89.50		30.0		0.0	146.7	1.5	0.75	0.0	12.3	6.2	14.7	0.3
				SOUTH RAMP		2524.9		0.0	2524.9	1.5	0.75	0.0	212.1	106.0	252.5	5.0
				2000+00.00		216.7		0.0	0.0	1.5	0.75	0.0	18.2	9.1	21.7	0.4
				2008+74.00		216.7		0.0	0.0	1.5	0.75	0.0	18.2	9.1	21.7	0.4
				SIDEROAD	050 E	442.10		65.96	442.12	1.5	0.75	51.8	0.0	18.6	61.7	1.2
				**36+07 LT				109.13		1.5	0.75		0.0			
				SIDEROAD	610 E	546.92		115.30	546.92	1.5	0.75	64.6	0.0	23.0	76.9	1.5
				**328+36.6 LT				106.90		1.5	0.75		0.0			
				SIDEROAD		3226.49		0.0	0.0	1.5	0.75	0.0	30.1	15.1	35.8	0.7
				***348+38 LT				0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				***349+00 LT				0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				SIDEROAD		7113.75		105.36	790.42	1.5	0.75	0.0	84.6	33.2	100.8	2.0
				**487+05.1 LT				111.80		1.5	0.75	0.0	0.0	0.0	0.0	0.0
				**487+55.4 LT				0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				TURN		218.0		0.0	218.0	1.5	0.75	0.0	18.3	9.2	21.8	0.4
				LANES		439.3		0.0	439.3	1.5	0.75	0.0	36.9	18.5	43.9	0.9
				349+53 - 353+62 LT				0.0	357.9	1.5	0.75	0.0	30.1	15.0	35.8	0.7
				488+31 - 491+73 LT				0.0	0.0	1.5	0.75	0.0	0.0	0.0	0.0	0.0
				TOTAL				2126.4	4514.3			8757.4	3496.2	6101.2	14587.6	291.6
				USE				2127.0	4515.0			8758.0	3497.0	6102.0	14588.0	292.0

** The butt joint is separated out from side road areas due to the median dividing the butt joints. Inlay of 1 1/2" due to curb & gutter and medians.
 *** Entrance and turn lane should be milled 3/4". No butt joint taper back length specified.
 SIDEROADS AND TURN LANES WERE MEASURED ON CADD.
 HMA Surface Removal 3/4" is for 24' wide pavement.

Butt Joint & Surf. Rem.
 Same as area in sq yd.

Level Binder
 (Area * 0.75" * 112) / 2000

Surface Course
 (Area * 1.5" * 112) / 2000

Bit. Prime
 Area * 0.1
 Agg. Prime
 (Area * 4) / 2000

* DOUGLAS & PIATT

FILE NAME =	USER NAME = austin1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDD\AUSTINRL\dms86981\70256\deta1.s.dgn		DRAWN -	REVISED -						323	(143,R,144)RS-4	*	56	12
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70256								
PLOT DATE = 1/23/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		