

APPENDIX L

MAT REQUIREMENT TABLES FOR AIRFIELDS

Tables L-1 and L-2 show the number of bundles, the weight, and the volumes of

landing mat required to meet the needs of a close battle area or support area airfield.

Table L-1. Mat required for close battle area airfield

Bundle Logistics	Mat Type			
	M8A1	M19	AM2	Truss Web
Number Required For				
Runway	558	281	521	463
Taxiway	328	165	306	272
Apron, warm-up	112	57	105	93
Overrun	134	68	125	112
Shoulder	417	210	389	346
Apron, parking	335	169	313	278
Total	1,884	950	1,759	1,564
Weight (tons)				
Runway	568.0	354.1	515.8	504.7
Taxiway	333.9	207.9	302.9	296.5
Apron, warm-up	114.1	71.8	104.0	101.4
Overrun	136.4	85.7	123.8	122.1
Shoulder	424.5	264.6	385.1	377.1
Apron, parking	341.0	212.9	309.9	303.0
Total	1,917.9	1,197.0	1,741.5	1,704.8
Cargo Space (cu ft)				
Runway	13,783	23,941	32,302	27,641
Taxiway	8,102	14,058	18,972	16,238
Apron, warm-up	2,767	4,856	6,510	5,552
Overrun	3,310	5,794	7,750	6,686
Shoulder	10,300	17,892	24,118	20,656
Apron, parking	8,275	14,399	19,406	16,597
Total	46,537	80,940	109,058	93,370
Measurement Tons (40 cu ft = 1 measurement ton)				
Runway	344.5	589.5	807.5	691.0
Taxiway	204.5	351.5	474.3	406.0
Apron, warm-up	69.1	121.4	162.7	138.8
Overrun	82.7	144.9	193.7	167.2
Shoulder	257.4	447.3	602.9	516.4
Apron, parking	206.9	360.0	485.2	414.9
Total	1,163.1	2,023.6	2,726.3	2,334.3

Table L-2. Mat required for support area airfield

Bundle Logistics	Mat Type			
	M8A1	M19	AM2	Truss Web
Number Required For				
Runway	782	393	730	649
Taxiway	529	266	494	439
Apron, warm-up	103	52	96	85
Overrun	134	68	125	112
Shoulder	566	285	528	470
Apron, parking	1,392	700	1,299	1,155
Total	3,506	1,764	3,272	2,910
Weight (tons)				
Runway	796.1	495.2	722.7	707.4
Taxiway	538.5	335.2	489.1	478.5
Apron, warm-up	104.9	65.5	95.0	92.7
Overrun	136.4	85.7	123.8	122.1
Shoulder	576.2	359.1	522.7	512.3
Apron, parking	1,417.1	882.0	1,286.0	1,259.0
Total	3,569.2	2,222.7	3,239.3	3,172.0
Cargo Space (cu ft)				
Runway	19,316	33,484	45,260	38,745
Taxiway	13,067	22,663	30,628	26,208
Apron, warm-up	2,545	4,430	5,952	5,075
Overrun	3,310	5,794	7,750	6,686
Shoulder	13,981	24,282	32,736	28,059
Apron, parking	34,383	59,640	80,538	68,954
Total	76,602	150,293	202,864	173,727
Measurement Tons (40 cu ft = 1 measurement ton)				
Runway	482.8	837.1	1,131.5	968.6
Taxiway	326.6	566.6	765.7	655.2
Apron, warm-up	63.6	110.8	148.8	126.9
Overrun	82.7	144.9	193.7	167.2
Shoulder	349.5	607.1	818.4	701.5
Apron, parking	859.5	1,491.0	2,013.4	1,723.9
Total	2,164.7	3,757.5	5,071.5	4,343.3