

TO CONVERT FROM	TO	MULTIPLY BY
<u>LENGTH</u>		
INCH (in)	METER (m)	.0254
FOOT (ft)	METER (m)	.3048
YARD (yd)	METER (m)	.9144
MILE (U.S. STATUTE)	METER (m)	1609.3440
<u>AREA</u>		
INCH <sup>2</sup> (in <sup>2</sup> )	METER <sup>2</sup> (m) <sup>2</sup>	.0006
FOOT <sup>2</sup> (ft <sup>2</sup> )	METER <sup>2</sup> (m) <sup>2</sup>	.0929
YARD <sup>2</sup> (yd <sup>2</sup> )	METER <sup>2</sup> (m) <sup>2</sup>	.8361
MILE <sup>2</sup> (U.S. STATUTE)	METER <sup>2</sup> (m) <sup>2</sup>	2589988.0000
ACRES	METER <sup>2</sup> (m) <sup>2</sup>	4046.8560
<u>MASS</u>		
TON (SHORT-2000 lbs)	KILOGRAM (kg)	907.1847
<u>VOLUME</u>		
FOOT <sup>3</sup> (ft <sup>3</sup> )	METER <sup>3</sup> (m) <sup>3</sup>	.0283
YARD <sup>3</sup> (yd <sup>3</sup> )	METER <sup>3</sup> (m) <sup>3</sup>	.7645
ACRE-FOOT	METER <sup>3</sup> (m) <sup>3</sup>	1233.4820
OUNCE (U.S. LIQUID)	LITER (l)	.0296
PINT (U.S. LIQUID)	LITER (l)	.4732
QUART (U.S. LIQUID)	LITER (l)	.9463
GALLON (U.S. LIQUID)	LITER (l)	3.7853

TO CONVERT FROM	TO	MULTIPLY BY
<u>VELOCITY</u>		
FOOT/SECOND	METER/SECOND (m/s)	.3048
MILE/HOUR (U.S. STATUTE)	METER/SECOND (m/s)	.4470
MILE/HOUR (U.S. STATUTE)	KILOMETER/HOUR	1.6093
<u>TEMPERATURE</u>		
DEGREE FAHRENHEIT	DEGREE CELSIUS	t° c = (t° F - 32)/1.8
<u>OTHER COMMONLY USED UNITS</u>		
MILLIMETER	= 0.001 METER	
CENTIMETER	= 0.01 METER	
KILOMETER	= 1000 METER	
KILOGRAM	= 1000 GRAMS	
MILLILITER	= 0.001 LITER	

## METRIC CONVERSION FACTORS

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION  
REFERENCE