

TO CONVERT FROM	TO	MULTIPLY BY	TO CONVERT FROM	TO	MULTIPLY BY
<u>LENGTH</u>			<u>VELOCITY</u>		
INCH (in)	METER (m)	.0254	FOOT/SECOND	METER/SECOND (m/s)	.3048
FOOT (ft)	METER (m)	.3048	MILE/HOUR (U.S. STATUTE)	METER/SECOND (m/s)	.4470
YARD (yd)	METER (m)	.9144	MILE/HOUR (U.S. STATUTE)	KILOMETER/HOUR	1.6093
MILE (U.S. STATUTE)	METER (m)	1609.3440	<u>TEMPERATURE</u>		
<u>AREA</u>			DEGREE FAHRENHEIT	DEGREE CELSIUS	$t^{\circ}c = (t^{\circ}F - 32)/1.8$
INCH <sup>2</sup> (in <sup>2</sup> )	METER <sup>2</sup> (m <sup>2</sup> )	.0006	<u>OTHER COMMONLY USED UNITS</u>		
FOOT <sup>2</sup> (ft <sup>2</sup> )	METER <sup>2</sup> (m <sup>2</sup> )	.0929	MILLIMETER	= 0.001 METER	
YARD <sup>2</sup> (yd <sup>2</sup> )	METER <sup>2</sup> (m <sup>2</sup> )	.8361	CENTIMETER	= 0.01 METER	
MILE <sup>2</sup> (U.S. STATUTE)	METER <sup>2</sup> (m <sup>2</sup> )	2589988.0000	KILOMETER	= 1000 METER	
ACRES	METER <sup>2</sup> (m <sup>2</sup> )	4046.8560	KILOGRAM	= 1000 GRAMS	
<u>MASS</u>			MILLILITER	= 0.001 LITER	
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			



ROAD AND BRIDGE STANDARDS

## METRIC CONVERSION FACTORS

SPECIFICATION  
REFERENCE

SHEET 1 OF 1

REVISION DATE

A-4

VIRGINIA DEPARTMENT OF TRANSPORTATION