

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 ² (in ²)	METER ² (m ²)	.0006	<u>OTHER COMMONLY USED UNITS</u>		
FOOT ² (ft ²)	METER ² (m ²)	.0929	MILLIMETER	= 0.001 METER	
YARD ² (yd ²)	METER ² (m ²)	.8361	CENTIMETER	= 0.01 METER	
MILE ² (U.S. STATUTE)	METER ² (m ²)	2589988.0000	KILOMETER	= 1000 METER	
ACRES	METER ² (m ²)	4046.8560	KILOGRAM	= 1000 GRAMS	
<u>MASS</u>			MILLILITER	= 0.001 LITER	
TON (SHORT-2000 lbs)	KILOGRAM (kg)	907.1847			
<u>VOLUME</u>					
FOOT ³ (ft ³)	METER ³ (m ³)	.0283			
YARD ³ (yd ³)	METER ³ (m ³)	.7645			
ACRE-FOOT	METER ³ (m ³)	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