

**Appendix**  
**Conversion Table U.S. Standard Measure to SI Metric**

TO CONVERT	FROM U.S. STANDARD UNIT	TO SI METRIC UNIT	MULTIPLY BY
Length	inch	millimeter	25.4
	linear foot	millimeter	304.8
	linear foot	meter	0.3048
	station	meter	30.48
	station	40 meter unit	0.762
	mile	kilometer	1.609344
Area	square inch	square millimeter	645.16
	square foot	square meter	0.092903
	square yard	square meter	0.836127
	acre	square meter	4046.87
	acre	hectare	0.404687
Volume	fluid ounce	millimeter	29.57353
	gallon	liter	3.785412
	1000 gallons	kiloliter	2.785412
	cubic foot	cubic meter	0.028317
	cubic yard	cubic meter	0.764555
	1000 board feet	cubic meter	2.359737
Weight	ounce	gram	28.350
	pound	kilogram	0.453592
	hundredweight	kilogram	45.359237
	ton	megagram	0.907185
Wt./unit length	pound/linear foot	kilogram/meter	1.48816
Wt./unit area	pound/square foot	kilogram/square meter	4.88243
Density	pound/cubic foot	kilogram/cubic meter	16.0185
Force	pound	newton	4.44822
Force/unit length	pound/linear foot	newton/meter	14, 5939
Work	foot pound force	joule	1.35582
Pressure	pound/square foot	pascal	47.8803
	kip/square foot	kilopascal	47.8803
	pound/square inch	kilopascal	6.89476
	kip/square inch	megapascal	6.89476
Temperature	degree fahrenheit	degree celsius	(F-32)x5/9
Bending moment	foot pound	newton meter	1.35582
Plane angle	degree	degree	1
Electrical	ampere	ampere	1
	volt	volt	1
	watt	watt	1
Illuminance	footcandle	lux	10.7639
Miscellaneous:			
Clear/grub	inch diameter	25 mm diameter unit	1.016
Hauling	cubic yard mile	cubic meter kilometer	1.230432
Overhaul	yard mile	cubic meter kilometer	1.230432
Speed	mile/hour	kilometer/hour	1.609344

## Appendix Standard Sieve Sizes

U.S. STANDARD	SI METRIC
5 inch	125 millimeters
3 inch	75 millimeters
2 inch	50 millimeters
1 1/2 inch	37.5 millimeters
1 inch	25.0 millimeters
3/4 inch	19.0 millimeters
1/2 inch	12.5 millimeters
3/8 inch	9.5 millimeters
No. 4	4.75 millimeters
No. 8	2.36 millimeters
No. 10	2.00 millimeters
No. 16	1.18 millimeters
No. 30	600 microns <sup>[1]</sup>
No. 40	425 microns
No. 50	300 microns
No. 100	150 microns
No. 200	75 microns
No. 325	45 microns

<sup>[1]</sup> 1 micron = 1/1000 millimeter

## Bid Item Unit Abbreviations

ACRE	acre	MGAL	1000 gallon unit
AD	arrow day	MI	mile
BBL	barrel	MKFT	board foot
BD	board day	MON	month
CD	calendar day	NONE	none
CF	cubic foot	OZ	ounce
CWT	hundredweight	PD	person day
CY	cubic yard	PH	person hour
CYMI	cubic yard mile	PR	pair
DAY	day	SACK	sack
DD	drum day	SD	sign day
DOL	dollar	SF	square foot
EACH	each	STA	station
FA	Fuel cost adjustments	STYD	station yard
GAL	gallon	SY	square yard
HRS	hours	TD	ton day
ID	Inch diameter	TM	ton mile
LB	pound	TON	ton
LF	linear foot	TF	track foot
LM	linear mile	VF	vertical feet
LOT	lot	WD	working day
LS	lump sum	WK	week
MBM	1000 foot board measure	YDMI	yard mile