



City of Bonita Springs Construction and Demolition Debris Conversion Tables

(239) 444-6150 (239) 444-6140 (fax)

<u>Material Category</u>	<u>Volume</u>	<u>Unit</u>	<u>Tons/unit</u>	<u>Tons</u>
Asphalt/Concrete				
Asphalt (broken)	_____	cy	x 0.7	= _____
Concrete (broken)	_____	cy	x 0.9	= _____
Concrete (solid slab)	_____	cy	x 1.2975	= _____
Brick/Masonry/Tile				
Brick (broken)	_____	cy	x 0.7	= _____
Brick (whole, palletized)	_____	cy	x 1.512	= _____
Masonry block (broken)	_____	cy	x 0.6	= _____
Tile	_____	sq ft	x 0.00175	= _____
Building Materials (doors, windows, cabinets, etc.)				
	_____	cy	x 0.15	= _____
Cardboard (flat)				
	_____	cy	x 0.05	= _____
Carpet				
By square foot	_____	sq ft	x 0.0005	= _____
By cubic yard	_____	cy	x 0.3	= _____
Carpet Padding/Foam				
	_____	sq ft	x 0.000125	= _____
Ceiling Tiles				
Whole (palletized)	_____	sq ft	x 0.0003	= _____
Loose	_____	cy	x 0.0875	= _____
Drywall (new or used)				
1/2" (by square foot)	_____	sq ft	x 0.0008	= _____
5/8" (by square foot)	_____	sq ft	x 0.00105	= _____
Demo/used (by cubic yard)	_____	cy	x 0.25	= _____
Landscape Debris (brush trees, etc.)				
	_____	cy	x 0.15	= _____
Scrap Metal				
	_____	cy	x 0.453	= _____
Unpainted Wood & Pallets				
By board foot	_____	bd ft	x 0.001375	= _____
By cubic yard	_____	cy	x 0.15	= _____
Garbage/Trash				
	_____	cy	x 0.175	= _____
Dirt				
	_____	cy	x 1.03	= _____

cy = cubic yards

Sq ft = square foot

bd ft = board foot

	<u>Conversion Rate</u>				<u>Tons</u>
Demolition					
Complete Demolition	_____	sq ft of structure	x	40/2000	= _____
Complete Demolition with tile roof	_____	sq ft of structure	x	47/2000	= _____
Green Waste (trees, shrubs, turf, etc.)	_____	cy	x	0.25	= _____
Mixed Debris	_____	cy	x	0.2	= _____

Roofing

Asphalt Composite Shingle	_____	roof sq ft	x	3/2000	= _____
Wood Shingle/Shake	_____	roof sq ft	x	2/2000	= _____
Concrete/Clay Tile	_____	roof sq ft	x	10/2000	= _____
Roof Decking	_____	roof sq ft	x	1.5/2000	= _____

Appliance/Equipment

Cook Top		0.015
Dishwasher		0.050
Refrigerator		0.075
Oven (single)		0.038
Trash Compactor		0.020
Water Heater 30 gallons		0.025
Water Heater 40-50 gallons		0.038
Bathtub (Cast Iron)		0.150
Bathtub (steel)		0.038
Sink, Cast Iron		0.025
Sink, Porcelain		0.010
Sink, Steel		0.005
Toilet		0.020

cy = cubic yards

sq ft = square foot

bd ft = board foot

Sample Calculation:

Materials including 100 square feet of roof decking, 50 cubic yards of brick (broken), and a cast iron bathtub would compute as follows:

$$(100 \times 1.5 \text{ lbs.})/2000 + (50 \times 0.7) + .15 = (0.075) + 35 + 0.15 = 35.225 \text{ Tons}$$