



City of Clyde

"A Slice of the Good Life"

Sidewalk Improvement Information

How To Calculate For Materials

Cubic yards are figured as follows: Total length in feet x width in feet x depth in feet ÷ 27
Rebar is sold in 20' strips

Concrete Worksheet

$$\frac{\text{Length in Feet}}{\text{Length in Feet}} \times \frac{\text{Width in Feet}}{\text{Width in Feet}} = \frac{\text{Length in Feet} \times \text{Width in Feet}}{\text{Width in Feet}} \times .33 \div 27 = \frac{\text{Cubic Yards}}{\text{Cubic Yards}}$$

Example:

Sidewalk 50' long by 4' wide

$$50' \times 4' = 200' \times .33 = 66 \div 27 = 2.44 \text{ cu yards}$$

Sand Worksheet

$$\frac{\text{Length in Feet}}{\text{Length in Feet}} \times \frac{\text{Width in Feet}}{\text{Width in Feet}} = \frac{\text{Length in Feet} \times \text{Width in Feet}}{\text{Width in Feet}} \times .16667 \div 27 = \frac{\text{Cubic Yards}}{\text{Cubic Yards}}$$

Example:

Sidewalk 50' long by 4' wide

$$50' \times 4' = 200' \times .16667 = 33.33 \div 27 = 1.235 \text{ cu yards}$$

Rebar Worksheet

$$\frac{\text{Length in Feet}}{\text{Length in Feet}} \div 20' \text{ Rebar Strip} = \frac{\text{Length in Feet}}{20'} \times 2 = \frac{\text{Total Pieces}}{\text{Total Pieces}}$$

Example:

Sidewalk 50' long

$$50' \div 20' = 2.5 \times 2 = 5 \text{ pieces of rebar}$$