



READY TO ORDER?

CALCULATE NOW. CALL WHEN READY.

Use the free Materials Calculator to get your exact cubic yards, tons, and truck count — then call ODG dispatch with those numbers. We'll confirm availability, pricing, and delivery date on the same call.

CALCULATOR

Free Online Tool

Plan before you call

CALL DISPATCH

(210) 983-8005

Mon-Sat · 7am-6pm

GET A QUOTE

Request Online

Fill out a quick form



MATERIALS CALCULATOR

GET EXACT.

RESOURCE GUIDE

MATERIALS CALCULATOR

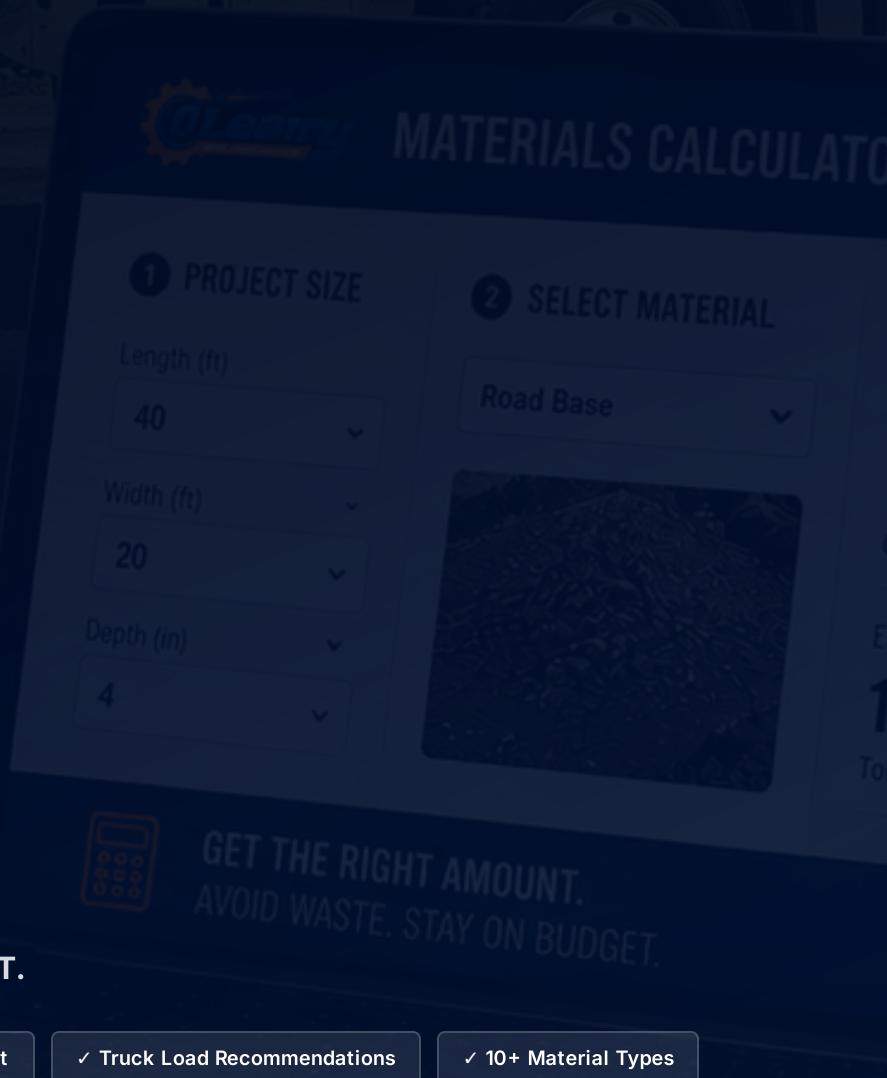
PLAN SMART. ORDER RIGHT. GET EXACT.

✓ Calculate Volume & Coverage

✓ Estimate Tons & Weight

✓ Truck Load Recommendations

✓ 10+ Material Types



I ABOUT THIS TOOL

Stop Guessing How Much Material You Need

The ODG Materials Calculator is a free, browser-based tool that takes your project dimensions — length, width, and depth — and instantly tells you exactly how many cubic yards and tons of material you need, along with the number of truck loads required. No spreadsheets, no guesswork.



Access it free — no login required

Visit olearydevelopmentgroup.com/material-calculator from any device. Enter your dimensions, select your material, and get instant results. Works on phone, tablet, and desktop.

WHY ACCURATE CALCULATIONS MATTER



Avoid Over-Ordering

Material is priced by the ton. Every extra ton you order unnecessarily is money you don't get back.



Right-Size Your Delivery

Knowing your exact tonnage lets you schedule the right number of trucks — no idle waiting, no second trip.



Get Accurate Quotes

When you call ODG with specific quantities, you get a real price immediately — not an estimate range.



Save Project Time

Running short mid-project delays the whole crew. Accurate ordering keeps your schedule on track.

I STEP-BY-STEP GUIDE

Three Steps to Your Order

- 01

Choose Your Material

Select the material type from the dropdown — Road Base, Limestone, Sand, Fill Dirt, Topsoil, Asphalt Millings, and more. The calculator automatically loads the correct density for that material.
- 02

Enter Project Dimensions

Input the length and width of your project area in feet, then choose the required depth in inches. The calculator converts everything to cubic yards and tons automatically.
- 03

Read Your Results

Instantly see the volume in cubic yards, estimated weight in tons, and the number of truck loads required. Use these numbers directly when calling ODG to order.

THE FORMULA BEHIND THE CALCULATOR

Length (ft) × Width (ft) × Depth (in)

÷ 324
= Cubic Yards

× Material Weight (tons/yd³)
= Tons

Pro Tip: Always add 10–15%

Material compresses, spills, and fills voids you didn't account for. The calculator button "Add Waste Allowance" handles this automatically — we recommend using it for every order.

I WEIGHT REFERENCE CHART

Tons Per Cubic Yard — All Materials

These densities are used by the calculator to convert cubic yards to tons. Actual weight varies slightly by moisture content and source quarry.

MATERIAL	TONS / YD ³	DENSITY	TYPICAL USE
Flex Base / Spec Base	1.35	Heavy	4-6" driveways, roads
Decomposed Granite	1.35	Heavy	2-4" paths & xeriscape
Screened Gravel / Rock	1.40	Heavy	2-4" drainage & decorative
River Rock (Pea)	1.35	Heavy	2-3" beds & dog runs
Select Fill	1.20	Medium	6-12" backfill & grading
Common Fill	1.15	Medium	6-12" bulk earthwork
Screened Topsoil	1.10	Medium	2-4" lawn prep & garden beds
Asphalt Millings	1.40	Heavy	4-6" driveways & parking
Crushed Concrete	1.35	Heavy	4-6" driveway base
Bark Mulch	0.50	Light	2-3" planting beds

△ These figures are averages. For projects requiring engineering precision, confirm weight with ODG dispatch before ordering.

COVERAGE REFERENCE

How Far Does One Ton Cover?

Coverage in square feet per 1 ton at the specified depth. Use this to sanity-check your calculator results.

Flex Base / Road Base				Decomposed Granite			
2" deep	3" deep	4" deep	6" deep	2" deep	3" deep	4" deep	6" deep
—	—	60	40	120	80	60	40
		sq ft	sq ft	sq ft	sq ft	sq ft	sq ft

Screened Gravel (#57)				Pea Gravel / River Rock			
2" deep	3" deep	4" deep	6" deep	2" deep	3" deep	4" deep	6" deep
116	77	58	—	120	80	60	—
sq ft	sq ft	sq ft		sq ft	sq ft	sq ft	

Select Fill				Screened Topsoil			
2" deep	3" deep	4" deep	6" deep	2" deep	3" deep	4" deep	6" deep
—	—	68	45	148	98	74	49
		sq ft	sq ft	sq ft	sq ft	sq ft	sq ft

Asphalt Millings				Bark Mulch			
2" deep	3" deep	4" deep	6" deep	2" deep	3" deep	4" deep	6" deep
—	—	58	39	324	216	162	108
		sq ft	sq ft	sq ft	sq ft	sq ft	sq ft

Coverage figures are approximate. Irregular terrain, compaction, and material source affect actual coverage. Add 10–15% when in doubt.

QUICK-REFERENCE EXAMPLES

Common Projects — Pre-Calculated

Based on Road Base / Flex Base at 1.35 tons/yd³. Use the online calculator for other materials or custom dimensions.

PROJECT	DIMENSIONS	DEPTH	ORDER RESULT
Standard Driveway	40 ft × 12 ft	4 inches	≈ 7.4 yd³ · ≈ 10 tons · 1 truck
Long Country Driveway	200 ft × 12 ft	6 inches	≈ 44.4 yd³ · ≈ 60 tons · 4 trucks
Parking Pad	20 ft × 20 ft	4 inches	≈ 4.9 yd³ · ≈ 6.7 tons · 1 truck
Backyard Pathway	50 ft × 4 ft	3 inches	≈ 1.85 yd³ · ≈ 2.5 tons · ½ truck
Raised Garden Bed	8 ft × 4 ft	12 inches	≈ 1.2 yd³ · ≈ 1.3 tons · call for min
Backfill (foundation)	30 ft × 2 ft	18 inches	≈ 3.3 yd³ · ≈ 4 tons · 1 truck
Full Yard Topsoil	50 ft × 30 ft	4 inches	≈ 18.5 yd³ · ≈ 20 tons · 2 trucks
French Drain Bed	60 ft × 1 ft	12 inches	≈ 2.2 yd³ · ≈ 3 tons · ½ truck

Need a custom size?

These examples are starting points. Use the live calculator at the URL below for any project dimensions — it handles decimal inputs and odd-shaped areas.

Open Calculator ↗

I TRUCK LOAD GUIDE

How Many Trucks Do You Need?



Tandem Axle
8-10 tons
Residential driveways, tight access, small jobs



Tri-Axle
10-12 tons
Mid-volume residential, standard commercial deliveries



Quad-Axle
14-16 tons
High-volume commercial, large material runs, most efficient
★ Most common for bulk orders

LOADS REQUIRED BY TONNAGE (QUAD-AXLE AT 15 TONS/LOAD)

15 tons
requires
1 load

30 tons
requires
2 loads

45 tons
requires
3 loads

60 tons
requires
4 loads

90 tons
requires
6 loads

150 tons
requires
10 loads



Scheduling Multiple Trucks
For orders requiring 3+ trucks in a single day, call dispatch at least 24-48 hours in advance. ODG can run multiple trucks simultaneously to keep your site moving without waiting between loads.

I BEFORE YOU ORDER

6 Tips That Save You Time & Money

1 Add 10–15% for waste

Material always compresses and spills on delivery. Add at least 10% to your calculated quantity — 15% for irregular shapes.

2 Compaction reduces volume

Base materials (flex base, DG) can lose 15–20% of their loose volume when compacted. Factor this into your order.

3 Cubic yards vs. tons

The calculator shows both. Order by tons for heavy materials (base, fill). Order by cubic yards for lightweight materials (mulch, topsoil).

4 Depth matters most

Doubling the depth doubles your material. A 4" layer uses 2× as much as a 2" layer over the same area — use the exact spec, not a guess.

5 Minimum load applies

Most ODG deliveries have a minimum. For very small orders, ask about sharing a load. The calculator will flag when your order is under threshold.

6 Call with your numbers

Have your calculated tons and material type ready before calling. ODG dispatch confirms availability, pricing, and lead time in the same call.

□ HAVE THIS READY WHEN YOU CALL

- ✓ Material type (e.g. Flex Base, Topsoil)
 - ✓ Delivery address & gate access info
 - ✓ Preferred delivery date & time window
- ✓ Calculated tons (from the calculator)
 - ✓ Dump location on site
 - ✓ Site contact name & phone number

FULL FEATURE LIST

Everything the Calculator Does for You



Cubic Yards & Volume

Auto-calculates volume from any L × W × D input. Handles feet, inches, and decimal values.



Tons & Weight

Converts cubic yards to tons using material-specific densities. No manual lookup needed.



Truck Load Count

Shows how many tandem, tri-axle, or quad-axle truck loads your order requires.



10+ Material Types

Road base, limestone, sand, fill, topsoil, mulch, asphalt millings, recycled concrete, and more.



Waste Allowance Toggle

One-click adds 10% or 15% waste buffer to your quantity — prevents running short.



Mobile-Ready

Works on phone, tablet, and desktop. Calculate on-site from your phone before calling dispatch.



Instant Results

No form submission, no waiting. Results update in real time as you type your dimensions.



100% Free

No login, no account, no charge. Open it, use it, call us with your numbers.



Try it now

olearydevelopmentgroup.com/material-calculator