

Job estimate and bid preparation

This workflow automatically generates accurate job estimates and competitive bids for concrete projects by integrating takeoff measurements, cost calculations, and proposal generation. It reduces estimate preparation time by 60% while improving bid accuracy and win rates.

Download PDF

Get Your Blueprint

WORKFLOW TRIGGER

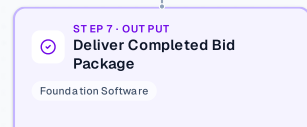
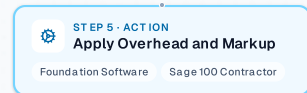


New project blueprints uploaded to project management system or RFQ received from potential client

Visual Flow

Each node represents an automated step. Connections show how data and decisions move through the workflow.





Step-by-Step Breakdown

Detailed explanation of each automated stage in the workflow.

1

⚡ TRIGGER

Receive Project Plans

Digital blueprints or project specifications are uploaded to the system via email, customer portal, or direct file transfer. The system automatically creates a new project record and initiates the estimating process.

2

 ACTION

Generate Digital Takeoffs

AI-powered takeoff software analyzes blueprints to automatically measure concrete areas, volumes, and linear footage. The system identifies reinforcement requirements, formwork needs, and finishing specifications.

PlanSwift

STACK Construction

3

 ACTION

Calculate Material and Labor Costs

The system pulls current material prices and calculates quantities needed for concrete, rebar, forms, and accessories. Labor hours are estimated based on project complexity and historical crew productivity data.

ProEst

Sage 100 Contractor

4

 DECISION

Evaluate Project Complexity

The workflow assesses if the project requires specialized equipment, has challenging site conditions, or needs custom concrete mixes. Complex projects route to senior estimators for review while standard projects continue automated processing.

ProEst

5

 ACTION

Apply Overhead and Markup

AI Business OS

The system automatically adds company overhead, equipment costs, and profit margins based on project type and client tier. It factors in job duration, weather considerations, and current workload capacity.

Foundation Software

Sage 100 Contractor

6

 ACTION

Generate Professional Proposal

A comprehensive bid document is created including itemized costs, project timeline, specifications, and terms. The proposal is formatted with company branding and ready for client delivery.

ProEst

Foundation Software

7

 OUTPUT

Deliver Completed Bid Package

The finalized estimate and professional proposal are automatically sent to the client via email and uploaded to the project management system. Internal notifications alert the sales team that the bid is ready for follow-up.

Foundation Software

QuickBooks Contractor Edition



Outputs

- Detailed cost estimate with material and labor breakdown

- Professional bid proposal document

AI Business OS



Key Metrics

- Estimate preparation time reduction
- Bid win rate percentage
- Estimate accuracy vs actual job costs



Tools & Integrations

- PlanSwift
- STACK Construction
- ProEst
- Sage 100 Contractor
- Foundation Software
- QuickBooks Contractor Edition

AI Business OS

Actionable AI implementation strategies for business leaders ready to transform their operations.

COMPANY

[About](#)

[Industries](#)

CONNECT

[MVP.dev](#)

[LinkedIn](#)

RESOURCES

[Articles](#)