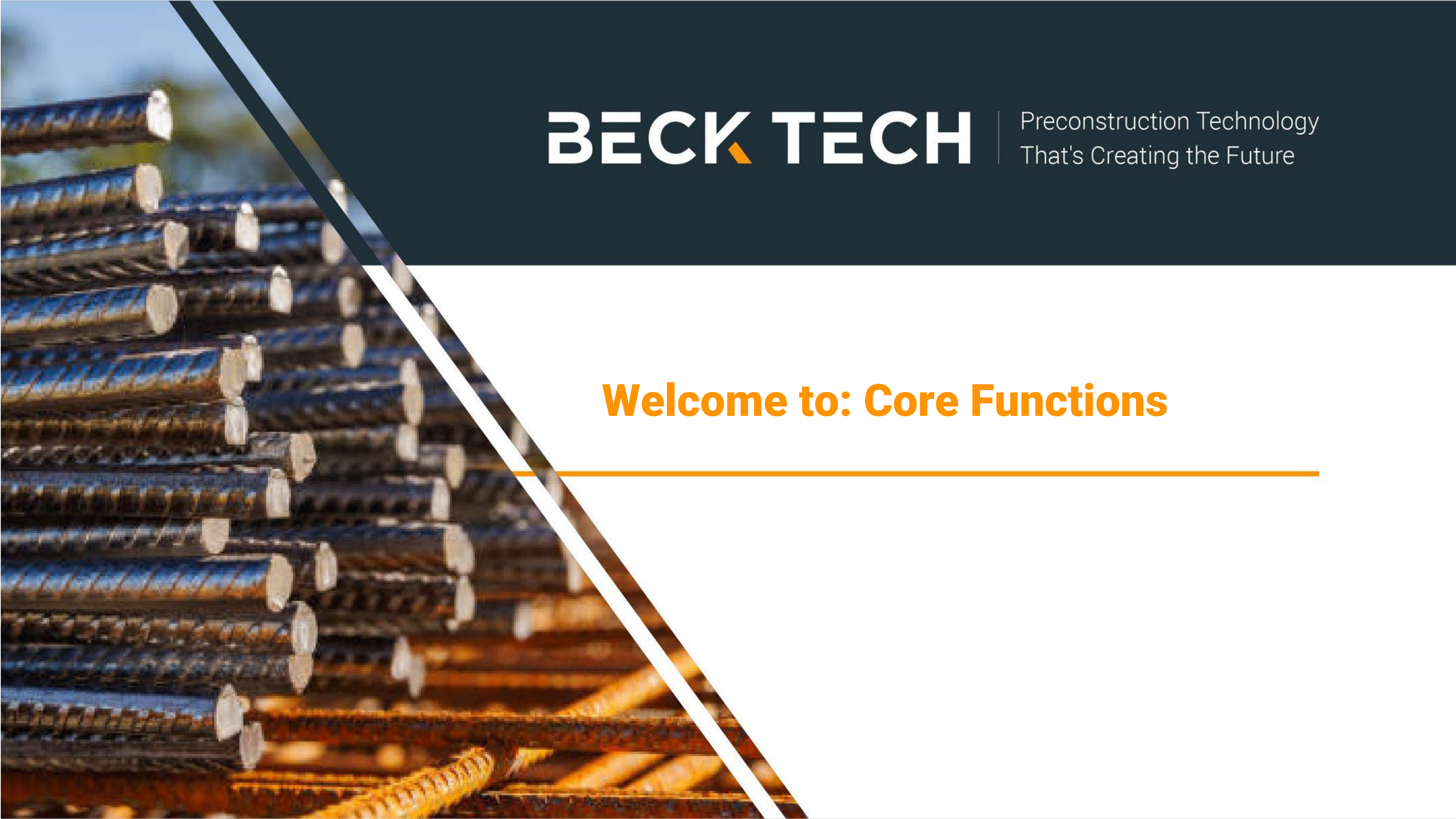




BECK TECH

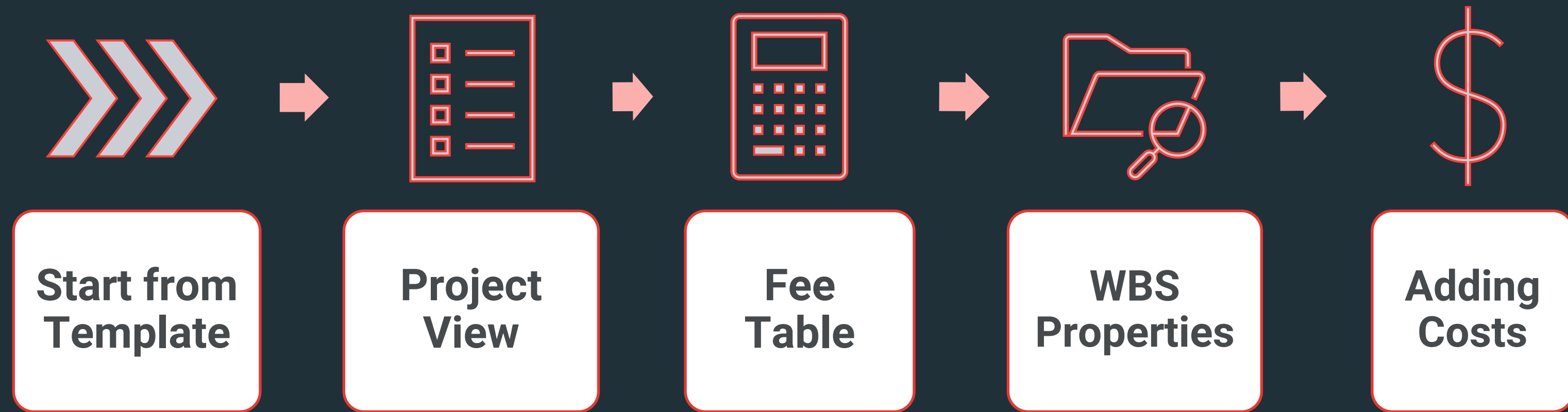
Preconstruction Technology
That's Creating the Future

Welcome to: Core Functions



Core Functions - Topics

- User Interface Navigation
- Starting from a Template
- Project View
- WBS Properties
- Adding Cost
- Alternates
- Fee Table
- Reports/Dashboard
- Version Estimate





Start From Template

- **Overview of the Concept of Templates**

- Starting Point of New Estimates
- Market Specific
- Hard bid vs. CM

- **Key Elements**

- Key Project Metrics
- Standard Fee Table
- Standard Estimate View Layouts
- Standard Estimate Filter Groupings
- Highlight Rules
- 0 Quantity Line Items

- **Select Appropriate Template**

- Click New Estimate From Template
- Enter Estimate Name
- Enter Client Data - Optional

Interface Management

- **General Navigation**
- **Unhide/Auto-hide views**
- **Dock/Float views**
 - Right click/select option
 - Double LMB click
 - Click/Drag
- **Reset Views**



Project View

- **Historic Markers**

- Used for Cost History purposes
- Examples
 - Market Sector
 - Owner
 - Designer

- **Key Metrics**

- For use in Cost Per analysis or quantification
- Examples
 - Total Building Area
 - Total Site Area
 - Construction Duration
 - Number of Keys (for hotel)
 - Number of Spaces (for garages)
 - Market Sector

Project View – Assigning/Linking Properties

- **Assign Values**

- Level of Detail -> SD
- Vertical Market -> Commercial
- Project Type -> Office
- Construction Type -> New Construction
- Construction Duration -> 24
- Precon Duration -> 12

- **Link & Assign Values**

- Total Building Area -> 100,000
- Total Site Area -> 300,000



WBS Properties

- **Review Cost Database WBS Properties**
 - UF, MF, CSI, Bid Package, etc.
- **Estimate Level WBS Properties**
 - System
 - Add values – (Blank), “Building 1” and “Site”
- **“Set as Sticky WBS” – DEFINE**
 - Check this box for System WBS
- **Can create/use unlimited number of WBS properties**

Adding Costs to the Estimate

- **Cost Database View**
 - Establish desired Groupings
 - Setup MF 1-3 grouping
 - Save configuration
- **Add line items to estimate**
 - Add 1 line item at a time
 - (Toggle on WBS in CIV)
 - Single click “015419.0110 - Equipment rental; crane; 15 ton capacity; by week” from Cost Database
 - Set System to “Building 1” in Cost Information View
 - Qty = 12 wk
 - Equip Cost = \$3,500
 - Add to Estimate

Adding Costs to the Estimate

- **Add line items to estimate [cont'd]**
 - Drag and Drop Line Item
 - Drag/Drop “015433.0195 - Equipment rental; bulldozer; 200 hp; by week”
 - Since System is Sticky, Building 1 is automatically assigned
 - Qty = 40 wk
 - Equipment Cost = \$6,600
 - Use Find Feature in Cost Database
 - Click on the magnifying glass to search for the highlighted items below:
 - “015213.0100 - **Trailer**; general office type” – Qty = 24 mo in estimate view
 - “015713.0110 - **Sediment fence**, 36" fabric with 6" mesh” – Qty = 1,000 lf in estimate view
 - “015713.0100 - **Straw bale** secured with rebar” – Qty = 500 lf in estimate view
 - Drag/drop these line items to Estimate View
 - Since System is Sticky, Building 1 is automatically assigned

Adding Costs to the Estimate

- **Add line items to estimate [cont'd]**
 - Shopping Cart Bulk Add line items
 - Select “01 31 00 Project Management and Coordination” folder in cost database
 - Use Cost information View to move these line items into your “cart”
 - 013113.0100 - Superintendent
 - 013113.0105 - Field engineer
 - 013113.0110 - Foreman
 - Add to estimate
 - Assign Quantities and Costs
 - 013113.0100 - Superintendent**
 - Quantity = 2 yr
 - Unit Cost = \$137,500
 - 013113.0105 - Field engineer**
 - Quantity = 2 yr
 - Unit Cost = \$125,000
 - 013113.0110 - Foreman**
 - Quantity = 2 yr
 - Unit Cost = \$117,500

Manipulating the Estimate View

- **Filter Tree**
 - Establish MF 1-3 Grouping
 - Save grouping
 - Select different values in filter to see how estimate view changes
 - Reminder: [All Items] is your “home base”
- **Estimate Layouts**
 - Review existing layouts – try them out!
 - Use Column Chooser to introduce new columns
 - Save New Layout (See next slide)

Create one!

HomeProjectEstimateRates & ResourcesDashboardInsertViewComparisonTakeoff

Save 3 Changes

Refresh

Create One-off Line Item

Remove Cost

Copy Line Item

Set Escalation

Productivity Adjustment

Fees

WBS Properties

Highlight Rules

Audit Trail

From Estimate View

Rate Tables

Upload to Financials

Create Project

Push Items

Pull Items

Estimate

Line Item

Other

Excel Report

Procure

Bid Day

Default

Estimate Layouts: LMSEO

SystemMasterformat Level 1

Estimate

Item Number	Description	Quantity	Unit...	Labor Cost	Total Labor Cost	Material Cost	Total Material Cost	Sub Cost	Total Sub Cost	Equipment Cost	Total Equipment C...	Other Cost	Total Other Cost	Unit Cost	Aggregate Cost
															\$3,394,625.00
01 00 00 GENERAL REQUIREMENTS															\$3,394,625.00
01300.010	Aerial project photos	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,000.00	\$29,000.00	\$1,000.00	\$29,000.00
01300.020	Air fare	10.00	ea	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,200.00	\$12,000.00	\$1,200.00	\$12,000.00
01300.040	Assistant project manager	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,500.00	\$159,500.00	\$5,500.00	\$159,500.00
01300.050	Bim coordinator	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,500.00	\$188,500.00	\$6,500.00	\$188,500.00
01300.070	Cell phone	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100.00	\$2,900.00	\$100.00	\$2,900.00
01300.090	Estimator	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,000.00	\$232,000.00	\$8,000.00	\$232,000.00
01300.100	Field accountant	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$145,000.00	\$5,000.00	\$145,000.00
01300.110	Field engineer	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,500.00	\$188,500.00	\$6,500.00	\$188,500.00
01300.120	Foreman	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,500.00	\$188,500.00	\$6,500.00	\$188,500.00
01300.160	Materials testing	10,000.00	sf	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5.00	\$50,000.00	\$5.00	\$50,000.00
01300.170	Mileage	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$450.00	\$13,050.00	\$450.00	\$13,050.00
01300.180	Per diem	1,000.00	Day	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$100.00	\$100,000.00	\$100.00	\$100,000.00
01300.210	Postage service	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$75.00	\$2,175.00	\$75.00	\$2,175.00
01300.220	Project administrator	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,000.00	\$116,000.00	\$4,000.00	\$116,000.00
01300.230	Project director	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,000.00	\$290,000.00	\$10,000.00	\$290,000.00
01300.240	Project engineer	29.00	mo	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5,500.00	\$159,500.00	\$5,500.00	\$159,500.00
															\$17,997,832.54
Direct Cost: \$17,997,832.54, \$0.00 / SF															Total Cost: \$18,786,397.37, \$0.00 / SF

Alternates

The Alternates environment may be used for the following scenarios:

- Alternates
- Value Engineering (VE)
- Cost Escalation
- Customer Wish Lists
- Internal What If Scenarios

Alternates User Interface Walk-through

User Interface Walk-through

DESTINI Estimator - Allison Lewis-Training Estimate [Initial]

HomeProjectEstimateRates & ResourcesDashboardInsertViewComparisonTakeoff

Save 1 Change

Refresh Estimate

Line Item

Fees

WBS Properties

Highlight Rules

Audit Trail

Other

From Estimate View

Excel Report

Default

Rate Tables

Upload to Financials Procure

Create Project Bid Day

Push Items

Pull Items

Selected Layout

System - MF

Estimate Layouts

Estimate

Base Estimate

SystemMasterformat Level 1Masterformat Level 2Masterformat Level 3

Item Number

Description

Quantity

Unit of Measure

Unit Cost

Aggregate Cost

Cost / Unit

Unit Reference

Estimator

Building 1

01 00 00 GENERAL REQUIREMENTS

01 30 00 Administrative Requirements

01 31 00 Project Management and Coordination

01300.240Project engineer12mo\$6,000\$72,000.000\$1Total Building AreaAllison Lewis

01300.250Project executive12mo\$16,000\$192,000.000\$2Total Building AreaAllison Lewis

01300.260Project manager12mo\$10,000\$120,000.000\$1Total Building AreaAllison Lewis

01 50 00 Temporary Facilities and Controls

01 52 00 Construction Facilities

01500.280Office - furniture12mo\$500\$6,000.000\$0Total Building AreaAllison Lewis

\$20,286,616.755

Alternates

Project Total

Direct Cost: \$20,286,616.755 \$202.87/sq ft

Total Cost: \$23,021,617.579 \$230.22/sq ft

Direct Cost: \$0.000 \$0.00/sq ft

Total Cost: \$0.000 \$0.00/sq ft

Direct Cost: \$20,286,616.755 \$202.87/sq ft

Total Cost: \$23,021,617.579 \$230.22/sq ft

ProjectEstimateRates & ResourcesDashboardComparisonTakeoff

Cost Information

Add Alternates

- Step 1: Click the Add Alternate button to add an Alternate.
- Step 2: Fill out the row with the following data:
 - Number: 001
 - Name: Premium Wall Covering
 - Description: Decorative Wall Covering/Mural
- Step 3: Click the Add Alternate button.
- Step 4: Fill out the row with the following data:
 - Number: 002
 - Name: Flooring
 - Description: Client request to price carpet tile in lieu of wood flooring

Estimate

▼ Base Estimate

Direct Cost: \$281,587.23 \$0.00/sq ft | Total Cost: \$347,957.02 \$0.00/sq ft

▲ Alternates

Active

Closed

Add Alternate

Settings

☐	Status	Number	Name	Description	Direct Cost	Total Cost	Comments	
☐	Pending	001	Premium Wall Covering	Decorative Wall Covering/Mural	\$0.00	\$0.00		→
☐	Pending	002	Carpet Flooring	Client request to price carpet in lieu of wood flooring	\$0.00	\$0.00		→

Direct Cost:

\$0.00 \$0.00/sq ft

Total Cost:

\$0.00 \$0.00/sq ft

Project Total

Direct Cost: \$281,587.23 \$0.00/sq ft | Total Cost: \$347,957.02 \$0.00/sq ft

Project

Estimate

Rates & Resources

Dashboard

Comparison

Takeoff

Adding an Alternate

- Step 5: Open the Alternate via the Open button.
- Step 6: Go to Cost Database and search for “097216.0100 - Vinyl wall covering; medium duty” – Double-click to add to alternate
- Step 7: Qty = 228 sf in estimate view
- Step 8: Return to Alternate Summary and Open Alternate “002 – Carpet Flooring”
- Step 9: Go to Cost Database and search for “096813.0100 - Carpet; tile” – Double-click to add to alternate
- Step 10: Qty = 7,500 sf in estimate view
- Step 11: Go to Cost Database and search for “096429.0145 - Wood flooring; engineered wood flooring” – Double-click to add to alternate
- Step 12: Qty = -7,500 sf in estimate view
- Step 13: Return to Alternate Summary

Alternates - Review

- Step 16: Go to Estimate View > Alternates Section
- Step 17: Pin closed the Cost Information View in order to see the full Alternate detail.
- Step 18: Note the Direct Cost and Total Cost displayed in the Alternates header bar, but it is not included in the Alternates Total. Remember: only Accepted Alternates will populate the footer.
- Step 19: Go up to the Alternates Summary displayed in the Details view and click on the left arrow (back button) on the left side of the screen to go back to the full Summary.

Estimate

Base Estimate

Direct Cost: \$595,473.26 \$5.95/sq ft | Total Cost: \$676,777.90 \$6.77/sq ft

Alternates

Status	Number	Name	Description	Direct Cost	Total Cost	Comments	Type
← Pending	001	Premium Wall Covering	Decorative Wall Covering/Mural	+ \$798.98	+ \$915.09		003 Owner Wish-lis

System

Masterformat Level 1

Masterformat Level 2

Masterformat Level 3

Item Number	Description	Quantity	Unit of Measure	Unit Cost	Aggregate Cost	Cost / Unit	Unit Reference	Estimator	
Building 1					\$798.98				
09 00 00 Finishes					\$798.98				
09 70 00 Wall Finishes					\$798.98				
09 77 00 Special Wall Surfacing					\$798.98				
09700.010	Wall covering - fabric	228	sf	\$3.50	\$798.98	\$0.01	Total Building Area	Allison Lewis	
					\$798.98				
						Direct Cost:	\$0.00 \$0.00/sq ft	Total Cost:	\$0.00 \$0.00/sq ft
Project Total						Direct Cost:	\$595,473.26 \$5.95/sq ft	Total Cost:	\$676,777.90 \$6.77/sq ft

Project

Estimate

Rates & Resources

Dashboard

Comparison

Takeoff

Moving a Line Item from Base Bid

- Navigate to Estimate window
- Right click on line item you wish to move
- Hover over "Move to..."
- Select the Alternate you wish to move line item to

The screenshot shows the 'Estimate' window with a 'Base Estimate' section. A table lists line items with columns: Item Number, Description, Quantity, and Unit of Measure. The first item is '081400.020' with description 'Doors - wood, single', quantity '1.0', and unit 'ea'. A right-click context menu is open over the first row. The menu includes options: 'Sketch Item' (Ctrl+D), 'Remove Cost', 'Copy Line Item' (Ctrl+C), 'Paste Line Item' (Ctrl+V), 'Move to...' (highlighted), 'View Audit Trail', 'Toggle Line Item Roll Up', 'Contributes To Qty', 'Switch to Metric', and 'Switch to Imperial'. A secondary menu is visible to the right of the 'Move to...' option, showing '001 - Premium Wall Coverings' as the selected alternate.

Item Number	Description	Quantity	Unit of Measure
081400.020	Doors - wood, single	1.0	ea

Context Menu Options:

- Sketch Item (Ctrl+D)
- Remove Cost
- Copy Line Item (Ctrl+C)
- Paste Line Item (Ctrl+V)
- Move to... (selected)
- View Audit Trail
- Toggle Line Item Roll Up
- Contributes To Qty
- Switch to Metric
- Switch to Imperial

Alternate Selection: 001 - Premium Wall Coverings



Fee Table

- **Indirect Costs (examples)**
 - Insurances
 - Taxes
 - Bonds
 - Fee
 - Contingencies
 - Calculations based on specific scopes of work

Move Up
Move Down
Delete

Alternates Fee Table – Create one!

Fees Editor

Name	Direct Cost	Fee Total	Total Cost
Base Estimate Fee	\$15,588,062.70	\$1,615,196.09	\$17,203,258.78

Number	Alternate Name	Direct Cost	Fee Total	Total Cost	Fee Type
001	Premium Wall C...	\$8,758.84	\$93.30	\$8,852.14	Custom
002	Flooring	\$0.00	\$0.00	\$0.00	Base

Move Up

Move Down

Delete

Delete All

\$ Insert Fee

= Insert Total

Direct Cost: \$8,758.84

Distributed Direct Cost: \$8,758.84

Final Total: \$8,852.14

On	Name	Type	Cost Basis	Amount	Fee Total	Distribute
☒	Artist Fee	Percent	Custom	5.00%	\$17.94	☐ ...
☒	Interior Design Fee	Percent	Compounding	20.00%	\$75.36	☐ ...
	Wall Covering Fee Subtotal	Subtotal			\$452.14	?

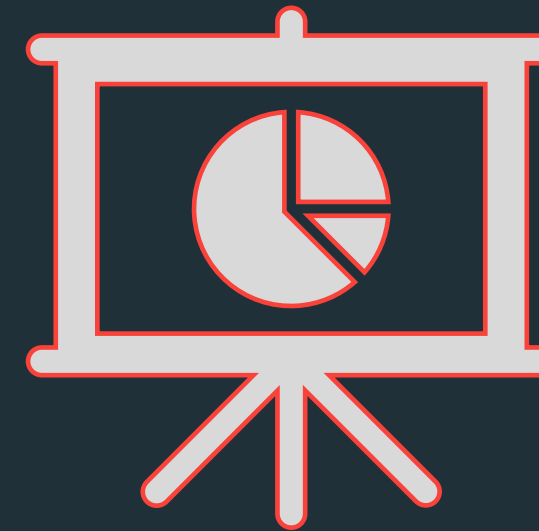
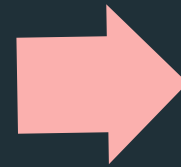
OK

Cancel

Deliverables



Reports



Dashboards



Reports - Z Drive

- **Report Files in Z Drive**
 - Master Files in one location
 - All Users – Edit Preferences to read the proper folder
 - Run via Dropdown on HOME tab
- **Find and Run Report Button**



Reports - Z Drive

- **Run Owners Report and Self-Perform Report**
- **Report Viewer**
 - Test parameters to become familiar with function
 - SUBMIT after any changes to see modifications in report
- **Exporting PDF**
 - Save to Local Machine



Dashboard

- **Standard Dashboards**
 - Review Summary Dashboard
 - Select WBS breakdown
 - Filter \$0.00 Costs
 - Review System Breakdown
 - Select WBS breakdown
 - Select Systems Left to Right
 - Filter \$0.00 Costs
- **Print from Estimator OR save out to Excel to adjust print parameter**
- **Discuss Estimate Comparison & Alternate Summary Reports**



Version Estimate

- **Close out of project**
- **Go to Recent estimates**
- **Click ellipsis and create a version**
 - Previous version is CLOSED for edits
 - New version is editable
- **Unlimited versions from closed estimates**

Resources

Beck Technology Support - Support@beck-technology.com

- Urgent Support
- Examples: unable to launch the application, unable to acquire a license, unable to save an estimate, unable to print a report, application hangs/crashes, etc.

Help Center – howto.beck-technology.com/knowledge

- Articles and FAQs for all DESTINI products

Beck Teck Training Portal – becktechnologytraining.lessonly.com/learn

- Basic Training
- Online training
- Review the basics or learn new topics

Customer Success – Customersuccess@beck-technology.com

- Fastest way to contact your Beck Tech rep with product questions post-implementation