



2025 COST ESTIMATION SUMMIT

VDOT's New Project Estimate Summary (PES)

A large, bold, red word 'COSTS' is centered on a dark gray rectangular card. The card is slightly tilted and appears to be resting on a surface covered with various US dollar bills, including \$10 and \$20 bills. The word 'COSTS' is in a thick, sans-serif font.

Roy Soto, PE, PMP
Director, Project Management Office

March 10-12, 2025

Ice-Breakers & Intro



Ice-Breakers & Intro



Roy Soto, PE, PMP • You ...
Director, Project Managemen...
2mo • 🌐

This is where we share how to stretch
a dollar to the point you may see
Washington's teeth. Spots are ...more



**Virginia Transportation
Construction Alliance**

1,868 followers
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Registration is NOW OPEN! 📅

Join us for the 2025 VTCA / ...more

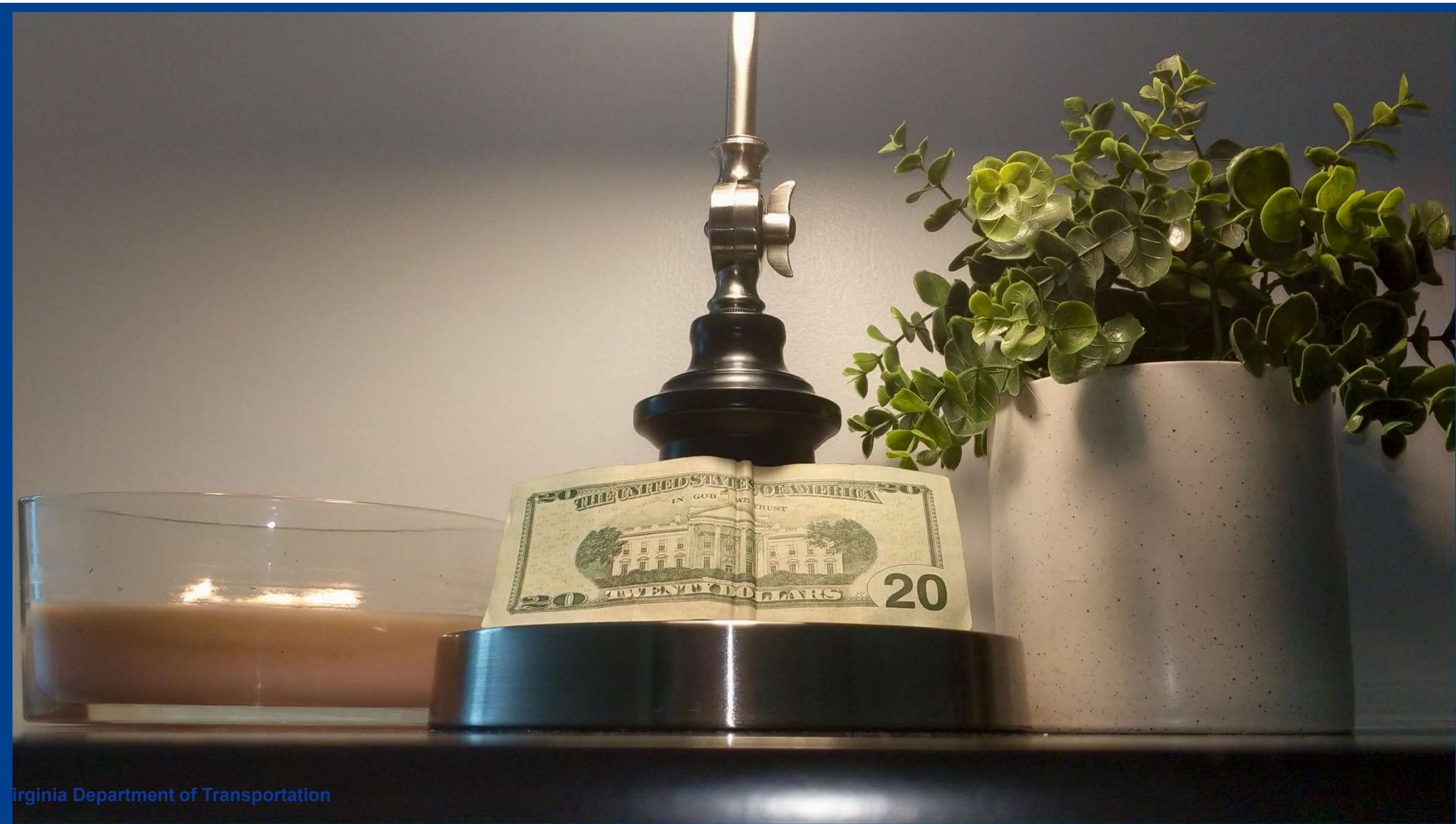
VTCA
Virginia Transportation Construction Alliance



**COST
ESTIMATION
SUMMIT**

Ice-Breakers & Intro





Agenda

1. PES Overview

- What Happened?
- Benefits
- Rollout Status
- Key Features
- Version 2 Highlights
- Walkthrough Video



2. Q&A Forum

7

[illegible]

PES Benefits?

- 1. One-page summary to finalize, present, justify and obtain approvals for recommended estimates**
- 2. Clearly presents third-party's responsibility for betterment costs**
- 3. Promotes consistent data entry**
- 4. Supports newly added capacity to capture additional details about project estimates in our database, resulting in better historical data during development and future analysis capability**
- 5. Includes additional data fields not captured by former forms**
- 6. Consolidates two former forms into one, reducing processing time and multiple reference files**
- 7. Pre-populates project data fields when used in conjunction with the PCES platform**

PES Rollout Status

- **Status**
 - **New PCES & PES went live on 1/17/25**
- **Ongoing Activities**
 - **Socialize PES version 2**
 - **Establish expectations for CN estimate categorization**
 - **Address accessibility requirements for public-facing website**
 - **Reconcile related reference materials**
 - **Training & Troubleshooting**

PROJECT ESTIMATE SUMMARY (PES) KEY FEATURES

The PES allows VDOT PMs and external entities to develop a one-page summary of total project costs for SYIP. The summary can pull data from POOL, estimate inflation (provided by IID) and is simple to use with minimal and transparent calculations.

Additional Resources

[Project Management Office DOTi page](#)

[Project Management Office webpage](#)

Defined cost and allowance can be entered as a dollar amount for each project phase and category. Contingency can be entered as a dollar amount or percentage for each project phase and category.

Preliminary Engineering Phase: Data can be entered as either an overall line item (2a) or by specific categories (2b), including roadway, structures & bridge, right of way & utilities, survey & SUE, hydraulics, traffic, materials, environmental, and project management & VDOT/LAP Coordination. The data is calculated to create a preliminary engineering phase subtotal (2c).

Right of Way and Utilities Phase: Data can be entered as either an overall line item (3a) or by specific categories (3b), including right of way acquisition, utilities, and VDOT RW/UT Oversight & VDOT/LAP Coordination. The data is calculated to create a right of way and utilities phase subtotal (3c).

Construction Phase – Bid Items: Data can be entered as either an overall line item (4a) or by specific categories (4b), including roadway, bridge, utilities, hydraulics, traffic, MOT, mobilization, and construction survey. The data is calculated to create a construction phase – bid items subtotal (4c).

Non-Bid Items: Data can be entered manually for state police, railroad, project CEI, project management & VDOT/LAP Coordination, management reserve, and contract requirements. The data is calculated to create a non-bid items subtotal (5a) and construction phase subtotal (5b).

Default values for Management Reserve will be calculated automatically but can be overwritten by user.

Total Project Estimate Summary: Project phase start dates must be entered (6a) to generate a total estimate adjusted for inflation (6b).

Inflation is calculated using published phase start date and inflation rates.

The screenshot shows the Project Estimate Summary (PES) form for UPC ID: unspecified. The form is divided into several sections, each with a numbered callout:

- 1:** Project Information (Project Description is TBD)
- 2:** Preliminary Engineering Phase (Overall PE Phase, Categories, PE Phase Subtotal)
- 3:** Right of Way and Utilities Phase (Overall RW Phase, Categories, RW Phase Subtotal)
- 4:** Construction Phase – Bid Items (Overall CH Phase, Categories, CH Phase Subtotal)
- 5:** Non-Bid Items (Non-Bid Items Subtotal, CH Phase Subtotal)
- 6:** Total Project Estimate Summary (Project Phase, Phase Start Date, Total Estimate, Inflation, Total with Inflation)
- 7:** Betterment Breakout (Betterment Breakout, Betterment Total)
- 8:** Project Estimate Summary V.L.B. (Formal Review, VBA code review)

Color Coding: Green cells are freely editable, blue cells are limited to a drop-down list of acceptable values, gray cells are calculated by Excel, and purple cells' data is imported from POOL. Purple cell data is populated for active projects when the PES is downloaded from PCES.

Project Information: Data can be entered manually (1a) or imported from POOL. If entered manually, the user submits values for date, administration, UPC, project manager, and project description. Design, schedule type, scoping, district, and jurisdiction are selected from drop-down menus.

If project information is imported from POOL (1b), date is entered manually, designer is selected from drop down, and all other data is locked in purple cells. Lead Designer is a Required Field.

Betterment Breakout: Data can be entered manually for preliminary engineering, right of way, construction defined cost and allowance, and contingency. This data is calculated to create a betterment subtotal (7a).

The subtotal, CEI, management reserve, contract requirements, and inflation are calculated to find the betterment total (7b).

Once complete, the PES can be saved as a single 8.5x11 PDF and [uploaded to location] or [emailed to destination]

Need Support?
Email: PMO@VDOT.Virginia.gov

VDOT Virginia Department of Transportation

PES Version 2 Highlights

1. Added “Other” row under PE & CN phases
2. Added “Project Complexity” field
3. Clarified former CN phase overall value by editing the cell to “Overall CN Bid Items”
4. Option for Calendar date selections

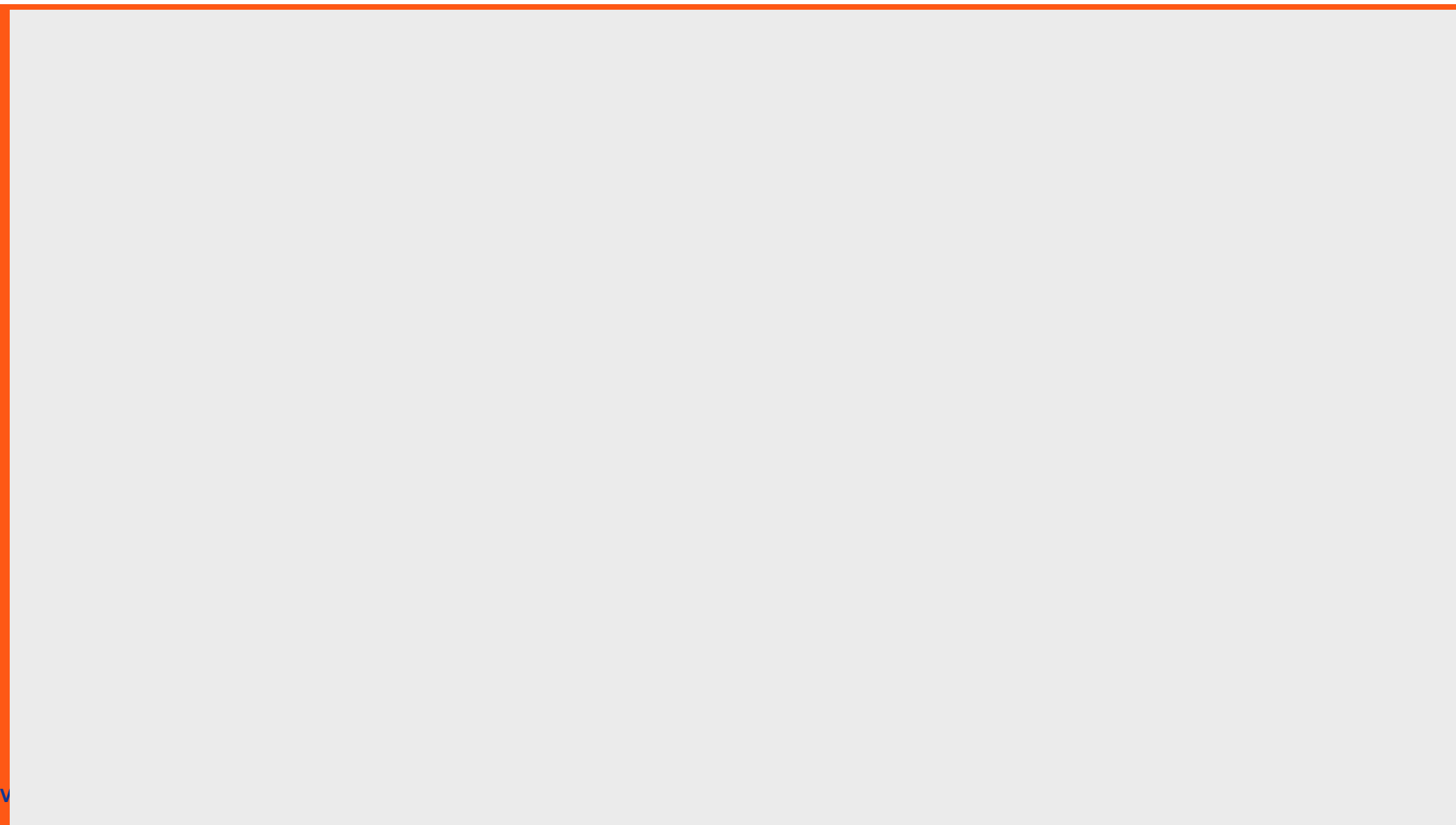
Other					\$0	\$0
PE PHASE SUBTOTAL:			\$0	\$0	0%	\$0

RIGHT OF WAY AND UTILITIES PHASE					
Category	Comments	Defined Cost	Allowance	Contingency	Total
Overall RW Phase				0%	\$0
Right-of-Way Acquisition				0%	\$0
Utilities (relocations)				0%	\$0
VDOT RW/JUT Oversight & VDOT/LAP Coordination				0%	\$0
RW PHASE SUBTOTAL:		\$0	\$0	0%	\$0

CONSTRUCTION PHASE - BID ITEMS					
Category	Comments	Defined Cost	Allowance	Contingency	Total
Overall CN Bid Items				0%	\$0
Bridge (bridges, major retaining walls & culverts, etc.)				0%	\$0
Utilities (in-plan utilities, including water & sewer)				0%	\$0
Hydraulics (drainage, SWM, EBS, etc.)				0%	\$0
Traffic (signals, signs, pavement markings, etc.)				0%	\$0
MOT				0%	\$0
Mobilization & CN Survey				0%	\$0
Other				0%	\$0
BID ITEMS SUBTOTAL:		\$0	\$0	0%	\$0

PWA Schedule Template Type	
PCES Estimate Type (Milestone)	
UPC and APP ID	Data required
UPC	APP
Project Manager	Data required
Project Description	Data required
District	Data required
Jurisdiction (City/Town/County)	Data required
Project Complexity	Moderately complex

BETTERMENT BREAKOUT	
PE	
RW	
CN Defined Cost	
CN Allowance	
Contingency	\$0
Subtotal	\$0
CEI	0%



Q&A Forum

- Thanks for your interest in & support with this topic.
- If we run out of time,
 - Connect with me anytime during the 2025 CES
 - Request support via email to PMO@vdot.virginia.gov