

AASHTOWare Project Estimation



Introduction

Printable Companion Handout

What is AASHTOWare Project Estimation?

AASHTOWare Project Estimation (AWPe) is a web-based, cradle-to-grave cost estimation application tailored for highway and transportation construction projects. It supports various estimation methodologies, integrates historical bid data, and streamlines workflows through a centralized platform.

AWPe is particularly useful for bridge and road projects because it has the ability to create unit prices based on historical bid data. Unit prices are calculated in AWPe by calculating a regression curve based on a scatterplot of previous bids for this item and following the curve to estimate a suitable unit price for a given pay item. In this program, you can also apply different bid history profiles, apply filters to select data points to calculate regression from, and more.

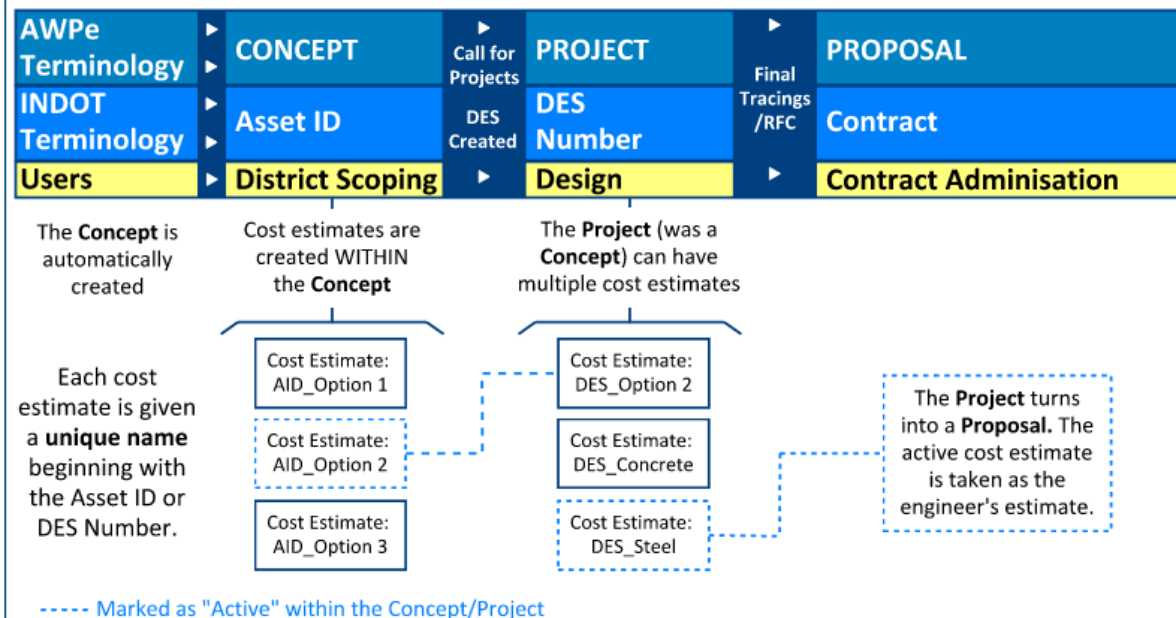
Why AASHTOWare Project?

The adoption of AWPe is a part of INDOT's Operation Digital Unity, which is an initiative to decrease the number of different programs used by the INDOT to improve operational efficiency. AWPe is a module within the AASHTOWare Project suite, making the transfer of information between departments more seamless. AWPe's ability to use bid history and store estimation information in the same program improves the accuracy and transparency of project estimations.

How does AASHTOWare Project Estimation Work?

AWPe allows you to carry one bridge or road work from the scoping phase to the design phase, and finally to the contracting phase. Below is a flow chart showing general workflow and terminology in the program, from beginning to end stages:

AASHTOWare Project Estimation (AWPe) Terminology & Workflow



Scoping will work with **Concepts**. Concepts hold basic information about a work and are entered into the system automatically. Each concept can hold multiple cost estimates. Cost Estimates should be given a name starting with the Route and Asset ID.

Design will work with **Projects**. Each project can hold multiple cost estimates. Cost estimates should be given a name starting with the des number (i.e. 2600189_SteelEst).

Cost estimate names need to be unique through the entire program, even if two cost estimates are on different projects.

After Final Tracings, the project will be given to **Contracts** as it turns into a **Proposal**.

Multiple estimates may exist within each Concept and each Project with only one being designated as the “Control Cost Est”. During the file steps of preparing the final cost estimate for transition to the INDOT Contracts Team, the final controlling estimate will be assigned to the project.

How can I learn about AWPe?

INDOT has provided a list of training modules for first-time users. Any training module starting with a 1 is basic training, while any training starting with a 2 is more advanced. Each training has a video and a corresponding printable companion document.

Trainings and support can be found on the INDOT Cost Estimation Webpage.

For login help in the program or specific project access, contact

INDOTCostEstimationSupport@indot.in.gov.