

Appendix A: Estimate Guidance and Reference Material

Project Development Process Manual

<https://onlinemanuals.txdot.gov/TxDOTOnlineManuals/txdotmanuals/pdp/pdp.pdf>

This manual is an informational guide for transportation engineers learning the Project Development process which consists of the project concept to the complete PS&E project.

PS&E Preparation Manual

<https://onlinemanuals.txdot.gov/TxDOTOnlineManuals/txdotmanuals/pse/pse.pdf>

This manual has a detailed description of building a cost estimate including the development of quantities, prices, funding overruns, and an estimate checklist. This manual is focused on the plan preparation through final engineers estimate phase of roadway design project.

Construction Cost Estimating Guide

<https://www.txdot.gov/inside-txdot/forms-publications/publications/project-mgmt.html>

Framework for the determination and development of a cost estimate including the engineers estimate will be in accordance to the TxDOT's Construction Cost Estimating Guide.

PMD 142 Construction Cost Estimating Class

Construction Cost Estimating – PMD 142 is a TxDOT interactive class that introduces the concepts and best practices of portfolio, program, and project management around cost management, which can help improve performance of current programs and portfolios. Participants will learn and about the construction cost estimating process, the components of a construction cost estimate, examine the application of construction cost estimating throughout a project lifecycle, understand construction cost estimating terms, three point estimating, and the benefits of construction cost estimating at TxDOT. The PMD 142 Construction Cost Estimating Class is in accordance of the TxDOT Construction Cost Estimating Guide.

Practical Guide to Cost Estimating

This is guidance developed by the American Association of State Highway and Transportation Officials (AASHTO) Technical Committee and Cost Estimating (TCCE). It is a guide for state DOT employees in creating a cost estimate and managing the estimate process. The guide is divided up by cost-estimate techniques and cost management activities.

FHWA guidelines on preparing Engineer's estimate bid reviews and evaluation

To ensure that the final Engineer's Estimate supports the financial obligation in the project authorization between FHWA and the state and to improve competitive bidding procedures FHWA has outlined recommended procedures for preparing the engineer's estimate. Those guidelines can be found at [FHWA.gov](https://www.fhwa.gov).