

# Plans, specifications and estimates quality management

## Project Quality Management - Design

The Quality Management Office provides guidance and technical support for quality management initiatives for design projects. This process is a value added initiative to establish statewide standards of quality and limit unnecessary project schedule and budget overruns, and reduce change orders. Quality management is an integral component of project management and a natural complement to Cost Risk Estimating Management.

## Design Guidance Memorandum

Processes and tools have been established in accordance with [Project Development Memo #17-01](#) (pdf 99 kb) with an emphasis on producing quality PS&E's.

## Quality Management Guide for Design and PS&E

The [Quality Management Guide to Design and PS&E](#) (pdf 246 kb) establishes uniform methods and defines roles for quality management. It's goal, is the facilitation in delivery of PS&E packages that provide a measurable and reliable performance level related to design accuracy.

## Region Quality Plans

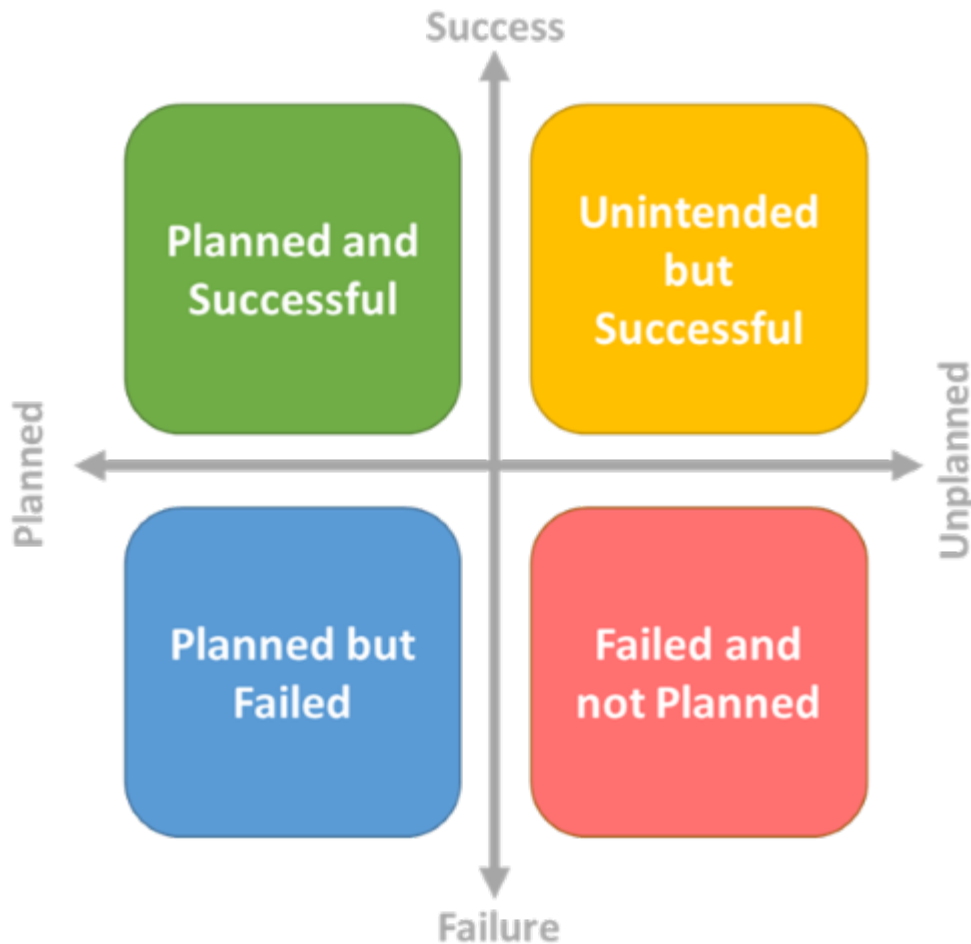
- [Northwest](#) (pdf 185 kb)
- [North Central](#) (pdf 510 kb)
- [Olympic](#) (pdf 2.46 mb)
- [Southwest](#) (pdf 658 kb)
- [South Central](#) (pdf 103 kb)
- [Eastern](#) (pdf 2.8 mb)
- [WSF](#) (pdf 296 kb)

## Additional resources to aid in design-bid build projects

- [MnDOT Quality Management](#)
- [WSDOT Project Management](#)
- [WSF Quality & Constructability Design-Build QMP](#) (pdf 399 kb)
- [Design Bid Build Quality Management Plan Template](#) (pdf 246 kb)
- [Project Development Support](#)

# Design - Project Development - Quality plan tools for design-bid build projects

Quality plan tools provide guidance and technical support for design-bid-build PS&E quality management. The guidance provided here supports documentation to enhance quality management initiatives for project activities within the design-bid-build environment.



The BQP's in the BQP library are living tools that will be updated over time to reflect lessons learned, as a way to keep mistakes from propagating. The BQP library is in no way meant to replace quality tools or processes currently used by regions or offices. It is meant to augment them.

## [PS&E Preparation and Review](#)

See tools and resources to assist in the preparation and review of plans, specifications and estimates.

## [Estimating/Risk Analysis & Design Project Development Training Resources](#)

## Quality Management Plan Examples

Included here are some example Quality Management Plans to use for reference in development of your specific quality plans.

- [30% Quality Review](#) (docx 28 kb)
- [60% Quality Review](#) (docx 26 kb)
- [90% Quality Review](#) (docx 23 kb)
- [Puget Sound Gateway Quality Management Plan](#) (docx 690 mb)
- [Region PS&E Quality Management Plan template](#) (docx 115 kb)

## Quality Management Tools and Templates

[Plans Quality Management Template](#) (xlsm 1 mb)

## Materials Cost Trend

There are many factors that affect project construction cost, the data shown here reflects only recent history. When estimating the cost of work in a project, keep in mind the specifics that may influence cost.

- Site conditions / Project Location
- Specialized work / Availability of Qualified Contractors
- Market Saturation / Other Local and Global Market Conditions
- Skilled Labor Availability

These are just a few things one needs to take into consideration.

- [Major Item Cost History](#) (xlsx 9.8 kb)
- [History of the cost for Binder, Fuel, Steel and Concrete](#) (xlsx 11.2 kb)

## News Articles Affecting Cost of Transportation Projects

### Design Analysis and Quality Newsletter

Topics include information regarding project quality, estimating and materials cost trends value engineering and risk analysis.

- [Winter 2019](#) (pdf 360 kb)
- [Fall 2018](#) (pdf 360 kb)

New AASHTO Director Jim Tymon Outlines [Goals for 2019](#)

The Disruption of Transportation and the Collapse of the Internal-Combustion Vehicle and Oil Industries - [Rethinking Transportation 2020-2030](#) (pdf 15.62 mb)

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