

Value engineering (VE) study/workshop

Minimum Requirements

Must be qualified under MnDOT Pre-Qualification Program Work Type 16.1 Value Engineering (VE) Study/Workshop. The value engineering study must also be led or facilitated by a certified value specialist.

Description

Value engineering (VE) is defined as “the systematic application of recognized techniques by a multi-disciplined team to identify the function of a product or service, establish a worth for that function, generate alternatives through the use of creative thinking, and provide the needed functions to accomplish the original purpose of the project, reliably, and at the lowest life-cycle cost without sacrificing safety, necessary quality, and environmental attributes of the project.”

This work type includes the following:

- Facilitate a value engineering study/workshop
- Prepare a value engineering study report

Standards and specifications

May include the following:

- The VE study must be performed per the requirements of Federal Regulations 23 CFR Part 627 – Value Engineering; using a process consistent with SAVE International and SAVE International’s Job Plan as well as criteria that the state sets forth.
- The final VE study report must be prepared in a format specified by the Hennepin County’s project manager, incorporating comments made by the state and/or Hennepin County.

Provided by Hennepin County

Information to be supplied by Hennepin County for a project may include the following:

- Project Development Environmental Documents, Geometric Layouts, Project Cost Estimate, and Preliminary Plans.
- Experienced staff members to serve as part of the Value Engineering Study Team.

Typical services

Project deliverables may include the following:

- Provide a Certified Value Specialist (CVS) facilitator to lead/facilitate a multi-disciplined team of experienced highway design members through the VE process.
- Provide experienced highway design team members as agreed to between the county's project manager and the VE facilitator/team leader.
- Create a detailed VE job plan that identifies the major tasks to be accomplished.
- Work with the county's project manager in planning and coordinating the VE study.
- Prepare draft report of the VE study to submit to Hennepin County and/or MnDOT for review and comment.
- Prepare VE study final report in a format specified by the State Value Engineer for distribution.