

What is Value Engineering and when is a VE Study required on a LAP project?

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Purpose: To provide an overview of Value Engineering and explain the concept behind performing this analysis, and, also, to provide the criteria for when a VE Study is required.

Details: The goal of performing a VE Study is to apply a systematic approach of project review:

- to identify the function of a product or service;
- to determine a worth for that function; and
- to derive comparable and efficient alternatives which accomplish the original intent of the project in a much more proficient means.

A project requires a VE Study when the project is on the National Highway System (NHS) and receiving federal assistance with an estimated total project cost of \$50 million or more - or - is a bridge project on the NHS receiving federal assistance estimated at \$40 million or more.

Only one VE study is required on a Local Agency Program (LAP) project, however, the Florida Department of Transportation (FDOT) may request additional studies as deemed necessary.

A VE Study is not required on Design Build projects. [[FHWA MAP-21 VE FAQs, Question 2](#)].

The VE study should occur as soon as sufficient information is available to perform the analysis.

References: [FDOT Value Engineering website](#); [FHWA MAP-21 Value Engineering FAQs](#) .

Exceptions: N/A

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