This chapter outlines Project Manager responsibilities in Value Engineering Program. Detailed information on Value Engineering process is provided in ***Procedure No. 625-030-002, Value Engineering Program.***

Additional information on the Value Engineering Program, including District Value Engineering Coordinator contacts, please visit the FDOT Value Engineering Program webpage: Value Engineering

Value Engineering

Value Engineering (VE) is the systematic process used by a multidisciplinary team to improve the value of a project through the identification and analysis of functions.

PROJECT SELECTION

Congress requires VE to be performed on certain federal-aid projects. The current requirement includes any federal-aid project on the National Highway System (NHS) with total estimated costs greater than $50 million and any bridge project on the NHS with total costs greater than $40 million.

VALUE ENGINEERING STUDY

The Value Engineering Study, which typically includes a Value Engineering Workshop, is conducted during the Project Development & Environmental phase or the Initial Engineering Design Phase. For the Value Engineering team to provide the best input, they will need the full background and supporting documentation for the project.

The study is most effective when the following information is available:

- All work that was done on the project up to the beginning of the Value Engineering Study.
- Back-up information on which the proposed design is based.
- A comprehensive project cost.

Project Manager Responsibilities

The PM is responsible for coordinating with the District Value Engineering Coordinator to determine if their project requires a Value Engineering Study.

The Consultant is responsible for clearly explaining to the Value Engineering Study team the scope of the project and all constraints and commitments.

The Value Engineering Study process often generates many questions that need to be answered during the process. As a result, the Project Manager and the project discipline leaders (subject matter experts) should be available to provide answers or additional information as necessary. Cooperation among the project's design team and the Value Engineering team assures a successful Value Engineering Study.