

## Does My Project need a Value Engineering Study?

Projects for VE studies may be selected from any of the categories identified in the Highway Construction Program, including Preservation and Improvement projects, depending on the size and/or complexity of the project. In addition to the cost, other issues adding to the complexity of the project design are considered in the selection process. These include critical constraints, difficult technical issues, expensive solutions, external influences, and complicated functional requirements.

Value Engineering studies are required for the following projects:

- Any projects with a *total* estimated cost of \$25 million or more.
- Any bridge project that have a *total* estimated cost of \$20 million or more

This *total* estimated cost includes preliminary engineering, construction, right of way, and utilities.

Other projects that should be considered for Value Engineering have a *total* estimated cost exceeding \$5 million and include one or more of the following:

- Alternative solutions that vary the scope and cost
- New alignment or bypass sections
- Capacity improvements that widen the existing highway
- Major structures
- Interchanges on multilane facilities
- Extensive or expensive environmental or geotechnical requirements
- Materials that are difficult to acquire or that require special efforts
- Inferior materials sources
- Major traffic control requirements or multiple construction stages