



**US Army Corps
of Engineers®**
Southwestern Division

USACE VALUE ENGINEERING

DRIVING QUALITY - DELIVERING VALUE

WHAT IS VALUE ENGINEERING?

$$\text{VALUE} = \frac{\text{FUNCTION (PERFORMANCE, QUALITY, SAFETY)}}{\text{RESOURCES (COST, TIME, LABOR)}}$$

Value Engineering (VE) is NOT just about cutting costs—it's a powerful, systematic process to achieve the optimum balance between performance, quality, safety, and Life-Cycle Cost. VE is an organized, creative approach using a six-phase Job Plan to analyze the function of a project, product, or process to ensure its essential functions are achieved at the lowest life-cycle cost.

BENEFITS FOR USACE & STAKEHOLDERS

THE USACE VE PROGRAM IS A PROVEN LEADER IN MAXIMIZING TAXPAYER & CUSTOMER RESOURCES.

IMPROVED QUALITY:

ENSURES HIGH-QUALITY, RELIABLE, & SAFE OUTCOMES

SOLVE UNIQUE PROBLEMS:

OFFERS ALTERNATIVE SOLUTIONS TO PRESSING CHALLENGES

REDUCED LIFE-CYCLE COST:

LOWERS COSTS OF MAINTENANCE, OPERATIONS, & OWNERSHIP OVER THE PRODUCTS' LIFESPAN

REDUCED RISK:

IDENTIFIES & MITIGATES POTENTIAL ISSUES IN DESIGN, CONSTRUCTION, & OPERATIONS

PROVEN SUCCESS:

ENHANCE PROJECT QUALITY, ACCELERATE SCHEDULES, & IMPROVE EFFICIENCY

COMPLIANCE:

MEETS STATUTORY & REGULATORY REQUIREMENTS (PUBLIC LAW 111-350)

PROFITABLE PARTNERSHIPS

VALUE ENGINEERING CHANGE PROPOSAL (VECP)

FOR OUR CONTRACTORS

Our private-sector partners are essential to the success of the VE program. Value Engineering provides a structured way for contractors to apply innovation and expertise.

•**VECP:** VECP clauses incentivize contractors to propose more efficient, cost-effective solutions.

•**Shared Savings:** Approved VECP savings are shared between the Government and the contractor, creating a true win-win.

•**Industry Innovation:** VE promotes continuous improvement through new materials, technologies, and construction methods.

WHY VE IS ESSENTIAL FOR USACE

FISCAL RESPONSIBILITY

PRIMARY TOOL FOR MANAGING COSTS AND MAXIMIZING TAXPAYER VALUE.

FY25 SWD SAVINGS: \$80M | ROI: 28:1

SCHEDULE SAVINGS:

IMPROVES CONSTRUCTIBILITY, PHASING & SEQUENCING

IMPROVE PROJECT OUTCOMES:

DELIVERS PROJECTS THAT COST LESS TO BUILD AND ARE MORE EFFICIENT TO OPERATE AND MAINTAIN

PRODUCTIVITY & EFFICIENCY:

DRIVES MEANINGFUL PERFORMANCE IMPROVEMENTS

ENGAGE

• **USACE Personnel:** Contact your District Value Officer (DVO) for project screening and workshop scheduling.

• **Contractors:** Reference the VE Construction Clause (FAR Part 48) in your contract and submit your VECP through the designated process.

Visit the USACE Public Website:
<https://www.usace.army.mil/Missions/Value-Engineering/>

