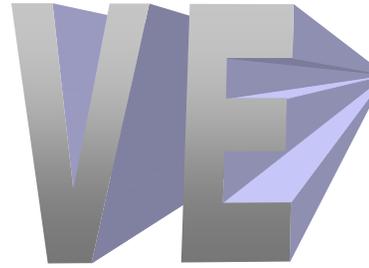
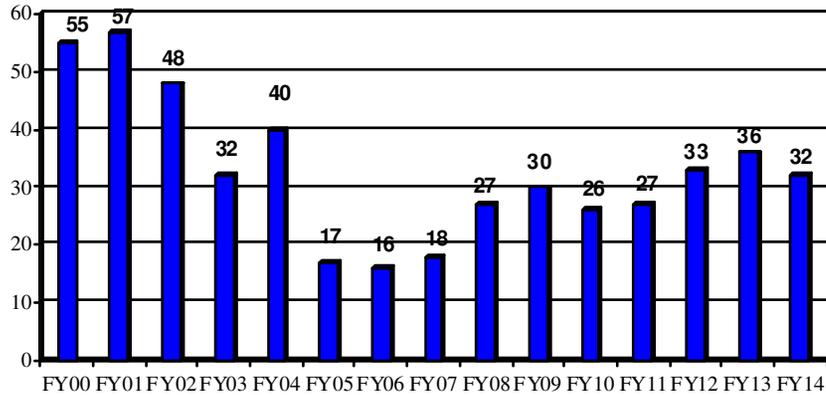


## Value Engineering Program Studies Conducted FY 00 – FY 14



Construction Division  
Value Engineering (VE)  
1401 East Broad Street  
Richmond, Virginia 23219

# Virginia Department of Transportation

## Value Engineering Annual Report FY 14

(July 1, 2013 – June 30, 2014)

## Value Engineering Program History

Since its creation in 1990, the VE Program has:

- Conducted 1112 studies
- Achieved \$647 million in savings/cost avoidance
- Submitted 4,902 recommendations; 2,787 (57%) have been accepted
- Developed 2173 quality improvements
- Realized \$41 in savings/cost avoidance for every program dollar spent

## Value Engineering Staff

Ray Johnston, PE  
State Value Engineer  
(804) 786-8207  
Ray.Johnston@VDOT.Virginia.gov

Mike Finney, CVS-Life  
(804) 840-2609  
Mike.Finney@VDOT.Virginia.gov

Ron F. Garrett, CVS-Life  
(804) 840-5704  
Ron.Garrett@VDOT.Virginia.gov

## Value Engineering Program

### Accomplishments FY 14

- Conducted VE Studies on 32 construction or maintenance projects at scoping or preliminary field inspection stage.
- Recommendations submitted to the Chief Engineer included actions to minimize environmental impact, enhance operational performance or improve constructability.
- Achieved \$15 million in savings/cost avoidance with an 81% acceptance rate. Achieved a 31:1 Return on Investment.

## Value Engineering Program

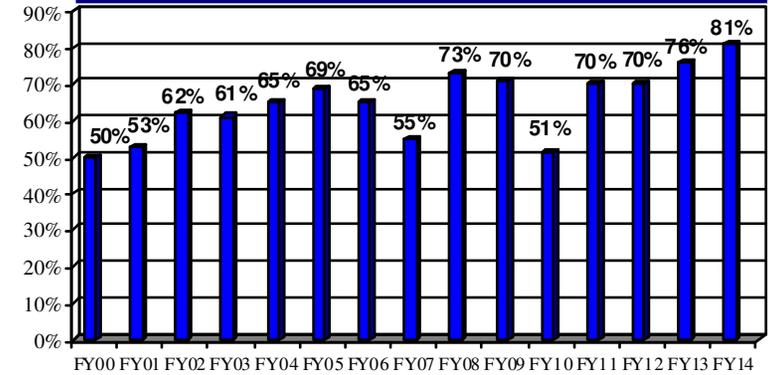
### Mission

Obtain optimum value from transportation funds through the application of the VE process:

- Improve project quality
- Reduce overall life-cycle costs
- Promote innovation in highway design and construction
- Provide training in Value

## FY 00 – FY 14

### Accepted Recommendations



## FY 14 Value Engineering Proposals (VEPs)

Eight Statewide VEPs totaling \$705,096 were approved for implementation.

## FY 00 – FY 14

### Savings/Cost Avoidance (Chart in Millions)



## FY 00 – FY 14

### Return on Investment

(Dollar saved for each dollar spent on VE Program)

