

Realizing the Benefit of Florida DOT's VE Program

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Objectives

- Florida Facts
- FDOT Facts
- FDOT VE Program
- Benefits of the FDOT Program



Florida Facts

- Geographically 22nd largest state
- 3rd largest state population – 20.3 million
- 2015 – 105 million visitors
- Largest producer of citrus in US and
- Flattest state – highpoint is 345 feet above



Florida DOT Facts

- FY 2017 budget - \$9.9 billion
- State gas tax is indexed to inflation
- Federal aid program – 26% of total program
- Average 515 let projects per year
- Year round construction season
- De-centralized: Central Office, & Districts &
 - Florida Turnpike Enterprise.



FDOT VE Facts

- VE Program established 1978
- State Value Engineer
- 8 District Value Engineers
- 2 additional Central Office support
- Formal VE Procedure established 1988
- Formal CSI (VECP) Procedure est. 1994
- CSI clause in Construction/Maintenance Specifications



FDOT VE/CSI Performance

- FY 2005/2006 – FY 2014/2015
 - Conducted 297 studies
 - Approved 885 recommendations
 - \$2.8 billion Cost Avoidance/Savings
 - 50% Adoption Rate
 - 7.8% Project Saved
 - 217 Approved CSI's (VECP's)
 - \$48.2 million Savings



FDOT VE Benefits

- Maximize funding
- Helps fund additional projects
- Introduce innovative approaches & new technologies
- Improved communication among staff
- Helps create Synergy between departments
- Improve FDOT Processes



FDOT VE Success Elements

- Management Support
- Report monthly to Department Executive Board on Performance Measures
- Require all projects over \$25 million, including Design/Build, have a VE study during development
- Require Districts to submit a VE Work Plan every fiscal year and monitor progress.
- Perform Quality Assurance reviews on district programs.



FDOT VE Success Elements

- Hold Annual VE Coordinator's meeting to discuss issues
- Hold periodic teleconferences with VE coordinator's to discuss issues
- Annually recognize top performing District
- Integrating VE with Cost Risk Analysis
- Utilize SAVE Certified Value Specialists
- Build Program Management among Districts & Central Office



FDOT CSI Success Elements

- Hold a CSI Workshop prior to Notice to Proceed
- CSI Concept Meeting
- Pay for engineering costs up to 25% total savings
- Include CSI specification on Design/Build projects



FDOT VE Program Recognition

- 10 AASHTO Project Awards
- 2 FHWA Program Awards
- 1 SAVE Outstanding Accomplishment in Construction Award
- 1 SAVE Presidential Citation Award
- 1 Florida Davis Productivity Award.



Questions



Thank You

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