Process Control System

Process Name: Value Engineering Project Selection	**Product/Service:** Develop a Value Engineering Work Plan for by July 1 of each fiscal year.	**Primary Customers:** District Management, State Value Engineer **Partners:** FHWA	**Customer's Valid Requirement(s):** All projects > $20 million in total cost and projects with the most potential for improvement are studied.	**Regulator's Valid Requirement(s):** All projects on the federal-aid system with estimated total costs > $25 million are studied. (Bridges >$20 million)

Input(s): Projects
Supplier(s): Work Program

Flow Chart

Step / Time \ Dept / Person	DISTRICT VALUE ENGINEER	DISTRICT MANAGEMENT	STATE VALUE ENGINEER
NEED	Need VE Work Plan ← Feedback		
REVIEW	Review projects in production pipe line. project costs > $20 million? NO → project a quality candidate? NO YES / YES VE window in this fiscal year? NO YES Add project to Candidate List all projects been reviewed? NO YES		
DRAFT	Draft Work Plan		
APPROVAL	Submit work plan approval	Is work plan acceptable? NO YES Approve work plan and return to DVE	
DISTRIBUTE	Send copy of plan to SVE ← P1		Compile plans and publish on Web
EXECUTE	Execute work plan		

Process and Quality Measures (QA/QC)

Checking / Measure Monitoring

Process Measures (Quality Measures)	Control Limits (Specs / Targets)	Checking Item (What is to be checked?)	Timeframe (Frequency) (When to check?)	Respon-sibility (Who will check?)	QAR (Date of last Review)
P1 **% work plans approved by July 1**	100%	Received Work Plan	Annual	SVE	D1: 1/2009 C
Q1 **% schedule studies completed**	75%	VER/Work Plan	Quarterly	SVE	D2: 1/2009 C
Q2 **# projects > $25 million never studied**	0	Work Program	Quarterly	SVE	D3: 1/2009 C
Q3 **% of required projects studied in Pre-Design phase**	60%	VER	Quarterly	SVE	D4: 1/2009 C D5: 1/2009 C D6: 1/2009 C D7: 1/2009 C TPK: 1/2009 C

Miscellaneous Information

- Abbreviations
- Procedure Reference
- Notes, etc.

Federal Regulation 23 CFR 627

VE Procedure 625-030-002

AASHTO Guidelines for VE

CODES:

C - Compliance
NC- Noncompliant
BP- Best Practices

Approved: _____ **Date:** _____ **Process Owner:** District Value Engineer **Rev #:** 1.5 **Rev Date:** 2/2009