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

Process and Quality Measures (QA/QC)

Checking / Measure Monitoring

Miscellaneous Information

- Abbreviations
- Procedure Reference
- Notes, etc.

Dept / Person	DISTRICT VALUE ENGINEER	DISTRICT MANAGEMENT	STATE VALUE ENGINEER	Process Measures — And — Quality Measures	Control Limits / Specs / Targets	Checking Item — What is to be checked?	Timeframe (Frequency) — When to check?	Responsibility — Who will check?	QAR — Date of last Review

Flowchart content:

NEED
- Need VE Work Plan
- Feedback

REVIEW
- Review projects in production pipe line.
- project costs > $20 million? — YES / NO
- project a quality candidate? — YES / NO
- VE window in this fiscal year? — YES / NO
- Add project to Candidate List
- all projects been reviewed? — YES / NO

DRAFT
- Draft Work Plan
- Submit work plan approval

APPROVAL
- Is work plan acceptable? — YES / NO
- 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 table:

	Process Measures / Quality Measures	Control Limits / Specs / Targets	Checking Item	Timeframe	Responsibility	QAR
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	

Additional QAR entries:
- D4: 1/2009 C
- D5: 1/2009 C
- D6: 1/2009 C
- D7: 1/2009 C
- TPK: 1/2009 C

Miscellaneous Information:
- 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**