Process Control System

Process Name: Value Engineering Program	Product/Service: Perform value engineering analysis on selected projects and document findings. Regulators: FHWA	Primary Customers: Management	Customer's Valid Requirement(s): Effective use of resources to produce a quality transportation system.	Regulator's Valid Requirement(s): Federal-aid system projects with total costs of $25 million or more ($20 million or more for bridges) have a VE study performed during project development.

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

Flow Chart

| **Process and Quality Measures (QA/QC)** | | **Checking / Measurement Monitoring** | | | | **Miscellaneous Information** |

Dept / Person / Step / Time	DISTRICT VALUE ENGINEER	VALUE ENGINEERING TEAM	STATE VALUE ENGINEER	Process Measures / Quality Measures	Control Limits (And) / Specs / Targets	Checking Item / What is to be checked?	Timeframe (Frequency) / When to check?	Responsibility / Who will check?	QAR / Date of Last Review	- Abbreviations - Procedure Reference - Notes, etc.
PROJECT SELECTION	Project Selection Process (P1 P2 P3)			P1 % scheduled studies completed	75%	VER & Work Plan	Quarterly	SVE	D1: 01/2009 C	Federal Regulation 23 CFR 627
				P2 # projects > $20 million never studied	0	Work Program	Annual	SVE		VE Procedure 625-030-002
				P3 % projects studied by phase	75%	VER	Quarterly	SVE	D2: 01/2009 C	AASHTO Guidelines for VE
				P4 # of pending rec. per time period		VER	Quarterly	SVE		NCHRP Synthesis 352 – Value Engineering Applications in Transportation
TEAM SELECTION	Team Selection Process					VER	Quarterly	SVE	D3: 01/2009 C	
				Q1 $$$ Saved per time period		VER	Quarterly	SVE		
				Q2 Value Added $$$ per time period		VER	Quarterly	SVE	D4: 01/2009 C	
STUDY		Conduct Value Engineering Study		Q3 Adoption Rate	40%-60%	VER	Quarterly	SVE	D5: 01/2009 C	
				Q4 Percent Saved	5%	VER	Quarterly	SVE		
				Q5 Return on Investment	$130 to $1	VER	Annual	SVE		
RESOLUTION	Recommendation Resolution Process (P4)			Q6 % Customer Satisfaction		Management Survey	Annual	SVE	D6: 01/2009 C	
									D7: 01/2009 C	
									TPK: 01/2009 C	
REPORTING			Reporting/Tracking Process							

CODES:

C - Compliance
NC- Noncompliant
BP- Best Practices

Approved: _____ Date: _____ Process Owner: __State Value Engineer__ Rev #: __1.5__ Rev Date: __2/2009__