

Value Engineering Study FHWA Summary Report

Arkansas
Division/State

2007 (October 1, 2006 - September 30, 2007)
Federal Fiscal Year

- | | Yes | No |
|---------------------------------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| 1a. Does your DOT have a formal VE program? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 1b. Does your DOT have documented VE policies or procedures? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1c. Does your DOT utilize performance measures to assess the effectiveness of the VE program and initiatives? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 1d. Are dedicated resources/staffing allocated for the administration of your DOT's VE Program? | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

2. Identify successful practices your DOT uses in the delivery of the VE Program.

No notable practices to document.

	In-house	Consultant	Total
3. <u>Number of VE studies</u>			
3a. Studies completed this year:	1	0	1
3b. Completed Studies required this year:	1	0	1
3c. Studies anticipated next year:	6	0	6
4. <u>Cost of VE Program</u>			
4a. Costs of studies completed this year:	\$8,900	\$0	\$8,900
4b. Total cost of projects completed this year:	\$41,000,000	\$0	\$41,000,000

5a. When are VE studies generally conducted by your DOT for design-bid-build projects?

30 - 70% design completion

5b. When are VE studies generally conducted by your DOT for design-build projects? N/A.

5c. Does your DOT conduct multiple VE studies on Major Projects? No.

6. Describe a successful study completed by your DOT this year.

No notable successes in the study completed this year.

Value Engineering Study FHWA Summary Report

7a. Number of proposed VE recommendations

Studies <u>completed</u> this year:	6	0	6
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7b. Number of Approved VE recommendations

Studies <u>completed</u> this year:	3	0	3
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8a. Value of proposed VE recommendations

Studies <u>completed</u> this year:	\$5,400,295	\$0	\$5,400,295
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8b. Value of all approved VE recommendations

Studies <u>completed</u> this year:	\$590,740	\$0	\$590,740
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9. Number of Construction VECPs

9a. <u>Submitted</u> this year:	0	0	
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9b. <u>Approved</u> this year:	0	0	
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10. Value of Construction VECPs

10a. <u>Submitted</u> this year:	\$0	\$0	
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10b. <u>Approved</u> this year:	\$0	\$0	
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11. Describe a unique or innovative VE recommendation that provided a significant benefit to the project on which it was implemented.

No notable VE recommendations to document.

12. Number of VE Workshops/Training Sessions conducted this year

12a. Number of <u>VE Workshops</u>	1	0	1
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12b. Number of <u>VE Training Sessions</u>	1	0	1
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12d. Total number Workshops/Sessions			2
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13. VE related training costs

VE related training costs	\$ 4,100.00		\$4,100
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Value Engineering Study FHWA Summary Report

14. Number of people trained in VE during this year

14a. Number of State DOT Employees Trained	7	7
14b. Number of FHWA Employees Trained	3	3
14c. Number of Others Trained	4	4
14d. Total number trained		14

15. Describe any unique training initiatives conducted by you State DOT.

N/A.

Analysis of Results

Return On Investment	=	$\frac{\text{Value of Approved Recommendations}}{\text{Costs of Studies Finalized}}$	66
% of Project Costs Saved	=	$\frac{\text{Value of Approved}}{\text{Project Costs of Studies Finalized}}$	1%
Recommendation Acceptance Rate	=	$\frac{\# \text{ of Approved}}{\# \text{ of Proposed Recommendations}}$	50%
Average Cost Savings per Recommendation	=	$\frac{\text{Total Value of Recommendations Finalized this}}{\text{Total \# of Recommendations Finalized this Year}}$	\$196,913
VECP Acceptance Rate	=	$\frac{\# \text{ of Approved VECP}}{\# \text{ of Submitted VECP}}$	0%