



Value Engineering

FY 1999 Annual Federal-aid Value Engineering Summary Report (Costs in Millions of Dollars)

STATE	Number of VE Studies			Cost of VE Studies			Estimate of Project Costs			Number of VE Recommendations			Value of all VE Recommendations			No. of Approved Recommendations			Value of Approved Recommendations			VE Change Proposals			
	In-H	Consul	Total	In-H	Consul	Total	In-H	Consul	Total	In-H	Consul	Total	In-H	Consul	Total	In-H	Consul	Total	In-H	Consul	Total	Submitted	Approved	Savings	
ALABAMA	4	-	4	0.02	-	0.02	56.00	-	56.00	17	-	17	7.30	-	7.30	11	-	11	3.60	-	3.60	4	4	0.535	
ALASKA	2	-	2	0.05	-	0.05	35.00	-	35.00	24	-	24	13.26	-	13.26	7	-	7	0.92	-	0.92	-	-	-	
ARIZONA	10	-	10	0.16	-	0.16	329.00	-	329.00	69	-	69	NR	-	0.00	36	-	36	3.00	-	3.00	NR	16	3,150	
ARKANSAS	5	-	5	0.02	-	0.02	90.30	-	90.30	19	-	19	9.60	-	9.60	10	-	10	1.33	-	1.33	-	-	-	
CALIFORNIA	6	19	25	0.16	1.04	1.20	274.45	1,691.94	1,966.39	27	269	296	35.40	1,008.89	1,044.29	10	95	105	11.10	106.15	117.25	19	13	0.885	
COLORADO	-	4	4	-	0.19	0.19	-	108.20	108.20	-	25	25	-	6.70	6.70	-	NR	0	-	NR	0.00	3	3	0.130	
CONNECTICUT	1	1	2	0.03	0.06	0.09	50.00	900.00	950.00	3	8	11	13.86	221.97	235.83	1	-	1	0.99	-	0.99	8	7	0.757	
DELAWARE	1	-	1	0.00	-	0.00	9.90	-	9.90	19	-	19	2.00	-	2.00	13	-	13	0.60	-	0.60	6	2	0.013	
DC	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
FLORIDA	18	31	49	0.12	0.59	0.70	407.90	1,058.60	1,466.50	44	139	183	14.60	262.90	277.50	17	43	60	22.10	91.50	113.60	26	18	2.763	
GEORGIA	-	1	1	-	0.02	0.02	-	35.00	35.00	-	6	6	-	18.80	18.80	-	1	1	-	0.88	0.88	-	-	-	
HAWAII	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
IDAHO	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
ILLINOIS	5	-	5	0.04	-	0.04	183.00	-	183.00	15	-	15	33.50	-	33.50	-	-	0	-	-	0.00	13	13	0.756	
INDIANA	5	-	5	0.02	-	0.02	234.60	-	234.60	9	-	9	24.82	-	24.82	4	-	4	11.07	-	11.07	-	0	0.000	
IOWA	5	1	6	0.03	0.03	0.06	179.80	55.00	234.80	15	10	25	20.70	15.00	35.70	1	4	5	NR	4.00	4.00	10	8	0.384	
KANSAS	-	2	2	0.02	0.06	0.07	-	80.53	80.53	-	15	15	-	9.97	9.97	-	6	6	-	0.81	0.81	0	-	-	
KENTUCKY	-	12	12	0.08	0.28	0.36	-	1,294.11	1,294.11	-	65	65	-	263.24	263.24	-	3	3	-	28.50	28.50	11	10	2.435	
LOUISIANA	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	2	1	0.010	
MAINE	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	3	3	0.176	
MARYLAND	-	7	7	-	0.25	0.25	-	213.40	213.40	-	30	30	-	5.50	5.50	-	7	7	-	1.41	1.41	-	-	-	
MASSACHUSETTS	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	35	29	9.583	
MICHIGAN	-	1	1	-	0.06	0.06	-	95.00	95.00	-	26	26	-	1.00	1.00	-	17	17	-	-2.10	-2.10	1	1	1.046	
MINNESOTA	4	1	5	0.01	0.01	0.01	232.40	29.00	261.40	4	1	5	9.96	1.00	10.96	-	0	-	-	0.00	NR	7	7	0.335	
MISSISSIPPI	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	1	1	0.281		
MISSOURI	15	-	15	0.25	-	0.25	413.46	-	413.46	50	-	50	45.21	-	45.21	10	-	10	2.70	-	2.70	26	16	0.502	
MONTANA	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	1	1	0.231		
NEBRASKA	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
NEVADA	-	2	2	-	0.09	0.09	-	410.00	410.00	-	10	10	-	35.50	35.50	-	6	6	-	15.50	15.50	2	2	0.014	
NEW HAMPSHIRE	-	1	1	0.00	0.06	0.06	-	61.00	61.00	-	15	15	-	10.00	10.00	-	1	1	-	0.05	0.05	1	0	0.000	
NEW JERSEY	13	-	13	0.18	-	0.18	320.57	-	320.57	28	-	28	117.03	-	117.03	15	-	15	43.42	-	43.42	18	12	3.399	
NEW MEXICO	-	5	5	-	0.34	0.34	-	815.00	815.00	-	136	136	-	269.00	269.00	-	52	52	-	137.40	137.40	7	7	0.496	
NEW YORK	-	12	12	-	0.71	0.71	-	1,132.31	1,132.31	-	128	128	-	184.08	184.08	-	31	31	-	65.53	65.53	21	17	1.207	
NORTH CAROLINA	12	-	12	0.02	-	0.02	357.50	-	357.50	24	-	24	9.37	-	9.37	8	-	8	3.95	-	3.95	13	6	0.836	
NORTH DAKOTA	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
OHIO	12	2	14	0.02	0.10	0.12	448.81	180.00	628.81	28	36	64	21.88	18.00	39.88	13	7	20	1.57	3.40	4.97	6	5	0.097	
OKLAHOMA	2	-	2	0.01	-	0.01	24.00	-	24.00	7	-	7	4.50	-	4.50	4	-	4	1.50	-	1.50	-	-	-	
OREGON	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	23	21	0.552		
PENNSYLVANIA	24	0	24	0.09	-	0.09	990.80	-	990.80	96	-	96	38.10	-	38.10	44	-	44	22.40	-	22.40	16	12	0.535	
PUERTO RICO	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
RHODE ISLAND	-	2	2	-	0.22	0.22	-	353.00	353.00	-	68	68	-	136.00	136.00	-	36	36	-	58.00	58.00	0	0	0.000	
SOUTH CAROLINA	0	0	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
SOUTH DAKOTA	4	-	4	0.20	-	0.20	28.90	-	28.90	12	-	12	11.00	-	11.00	12	-	12	11.00	-	11.00	1	1	0.006	
TENNESSEE	8	-	8	0.05	-	0.05	188.00	-	188.00	22	-	22	4.10	-	4.10	7	-	7	2.00	-	2.00	12	12	2.510	
TEXAS	-	20	20	-	0.27	0.27	-	2,568.95	2,568.95	-	139	139	-	19.00	19.00	-	83	83	-	11.40	11.40	0	0	0.000	
UTAH	2	4	6	0.05	0.10	0.15	25.00	50.50	75.50	9	15	24	0.21	14.40	14.61	9	6	15	0.21	5.75	5.96	8	5	0.127	
VIRGIN ISLANDS	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
VERMONT	-	1	1	-	0.06	0.06	34.30	-	34.30	8	-	8	4.08	-	4.08	-	-	0	-	-	0.00	1	1	0.026	
VIRGINIA	63	1	64	0.87	0.01	0.89	774.30	22.30	796.60	286	5	291	124.40	10.70	135.10	144	2	146	50.80	1.50	52.30	-	-	-	
WASHINGTON	9	4	13	0.08	0.09	0.18	611.80	665.40	1,277.20	32	24	56	65.20	10.40	75.60	27	22	49	71.90	0.20	72.10	26	21	0.683	
WEST VIRGINIA	-	8	8	-	NR	0.00	-	570.00	570.00	-	30	30	-	53.50	53.50	-	10	10	-	29.00	29.00	1	1	0.054	
WISCONSIN	7	6	13	0.15	0.15	0.29	77.45	70.67	148.12	7	8	15	18.39	2.47	20.87	7	6	13	18.39	2.47	20.87	10	10	0.506	
WYOMING	-	-	0	-	-	0.00	-	-	0.00	-	-	0	-	-	0.00	-	0	-	-	0.00	-	-	-	-	-
TOTALS	237	148	385	2.71	4.76	7.47	6,377.2	12,459.9	18,837.1	874	1,208	2,082	648.5	2,578.0	3,226.5	410	438	848	284.6	561.4	845.9	335	286	35.020	

Notes:

Data reported by FHWA field offices and/or State DOTs

"In-H" represents In-House

"Consul" represents Consultant

"NR" represents Not Reported



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