

## SUMMARY OF PAST VE SAVINGS

October 1, 2005 - June 30, 2015

Federal-Aid Highway Program

### MnDOT Value Engineering Studies (Pre-Construction)

	FFY 2005	FFY 2006	FFY 2007	FFY 2008	FFY 2009	FFY 2010	FFY 2011	FFY 2013	FFY 2014	FFY 2015
Number of VE Studies	6	2	1	7	8	9	11	8	13	10
Cost of conducting VE Study	\$107,370	\$35,860	\$30,000	\$162,000	\$560,814	\$610,000	\$611,223	\$344,014	\$633,896	\$462,787
Estimated Total Project Cost	\$ 475.5 M construction cost	\$ 83.3 M construction cost	\$ 222 M	\$ 105 M	\$ 1,229 M	\$ 444 M	\$ 914 M	\$ 243 M	\$ 923 M	\$ 397 M
No. of Proposed VE Recommendations	67	24	15	40	64	71	123	60	107	58
No. of Approved Recommendations	28	6	13	27	39	56	76	40	72	43
Recommendation Acceptance Rate (%)	42%	25%	87%	68%	61%	79%	62%	67%	67%	74%
Total Value of Proposed VE Recommendations	\$58,500,000	\$17,800,000	\$18,500,000	\$13,222,000	\$156,174,500	\$59,429,000	\$58,486,900	\$36,629,040	\$191,700,000	\$38,773,000
<b>Savings from Approved Recommendations</b>	\$13,530,000	\$5,090,000	\$15,440,000	\$4,357,000	\$98,252,500	\$51,780,400	\$30,521,700	\$26,471,000	\$60,100,000	\$17,294,000

Total number of VE Studies

75

Total Value of Approved Recommendations

\$322,836,600

Total Cost of VE Studies to hold the VE study

\$3,557,963

Return on Investment (ROI) = value of approved recommendations / cost of VE studies

91 : 1

### Value Engineering Change Proposals (VECP)

#### Proposals Initiated By Contractor After Award (Contractor Received Half of Savings)

	FFY 2005	FFY 2006	FFY 2007	FFY 2008	FFY 2009	FFY 2010	FFY 2011	FFY 2013	FFY 2014	FFY 2015
Number of Construction VECPs	4	2	14	12	9	7	6	5	5	8
Savings from construction VECPs	\$59,180	\$50,653	\$1,045,000	\$1,226,000	\$610,836	\$416,000	\$207,505	\$515,532	\$189,324	\$211,138

Total Number of VECPs

72

Total VECP Savings (AFTER 50/50 split with Contractor)

\$7,075,968