

### Value Engineering (VE) Survey for Fiscal Year 2022 (FY22)

| State                 | # of VE Studies Completed by DOT Staff | # of VE Studies Completed by Consultants | Total # of All VE Studies | Total Cost to Conduct All VE Studies | Total Estimated Costs (PE, CE, Construction, ROW, etc.) of All Projects Studied | # of Proposed VE Recommendations | Value of Proposed VE Recommendations | # of Approved VE Recommendations | Value of Approved VE Recommendations | # of Approved VE Change Proposals (VECP) | Value of Approved VE Change Proposals | Return on Investment | % of Project Costs Saved | Total Savings Achieved  |
|-----------------------|----------------------------------------|------------------------------------------|---------------------------|--------------------------------------|---------------------------------------------------------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|------------------------------------------|---------------------------------------|----------------------|--------------------------|-------------------------|
| Alabama               | 1                                      | 0                                        | 1                         | \$ 12,000                            | \$ 62,832,413                                                                   | 2                                | \$ 5,385,481                         | 1                                | \$ 5,385,481                         | 2                                        | \$ 171,127                            | 0                    | 0%                       | \$ 171,127              |
| Alaska                | 0                                      | 4                                        | 4                         | \$ 418,284                           | \$ 375,804,213                                                                  | 41                               | \$ 80,014,500                        | 10                               | \$ 43,442,000                        | 0                                        | \$ -                                  | 104                  | 12%                      | \$ 43,442,000           |
| Arizona               | 0                                      | 2                                        | 2                         | \$ 126,891                           | \$ 370,609,501                                                                  | 28                               | \$ 35,614,006                        | 14                               | \$ 14,460,005                        | 0                                        | \$ -                                  | 114                  | 4%                       | \$ 14,460,005           |
| Arkansas              | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 2                                        | \$ 1,335,570                          | 0                    | 0%                       | \$ 1,335,570            |
| California            | 0                                      | 68                                       | 68                        | \$ 4,703,136                         | \$ 4,810,533,687                                                                | 314                              | \$ 276,349,880                       | 179                              | \$ 335,323,000                       | 26                                       | \$ 11,333,230                         | 71                   | 7%                       | \$ 346,656,230          |
| Colorado              | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Connecticut           | 0                                      | 1                                        | 1                         | \$ 95,580                            | \$ 222,400,000                                                                  | 8                                | \$ 34,514,000                        | 2                                | \$ 10,948,000                        | 0                                        | \$ -                                  | 115                  | 5%                       | \$ 10,948,000           |
| Delaware              | 0                                      | 2                                        | 2                         | \$ 67,259                            | \$ 114,838,601                                                                  | 19                               | \$ 13,030,985                        | 8                                | \$ 5,221,425                         | 1                                        | \$ 101,990                            | 78                   | 5%                       | \$ 5,323,415            |
| District of Columbia  | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Florida               | 2                                      | 14                                       | 16                        | \$ 1,020,000                         | \$ 2,579,020,979                                                                | 85                               | \$ 179,990,000                       | 33                               | \$ 36,680,000                        | 27                                       | \$ 13,460,000                         | 36                   | 1%                       | \$ 50,140,000           |
| Georgia               | 0                                      | 10                                       | 10                        | \$ 695,280                           | \$ 666,627,969                                                                  | 81                               | \$ 56,976,440                        | 40                               | \$ 18,270,913                        | 7                                        | \$ 2,933,412                          | 26                   | 3%                       | \$ 21,204,325           |
| Hawaii                | 0                                      | 1                                        | 1                         | \$ 130,000                           | \$ 90,000,000                                                                   | 14                               | \$ 14,000,000                        | 2                                | \$ 1,000,000                         | 0                                        | \$ -                                  | 8                    | 1%                       | \$ 1,000,000            |
| Idaho                 | 8                                      | 8                                        | 16                        | \$ 2,256,900                         | \$ 1,410,634,950                                                                | 558                              | \$ 191,016,100                       | 167                              | \$ 158,216,100                       | 1                                        | \$ 356,919                            | 70                   | 11%                      | \$ 158,573,019          |
| Illinois              | 1                                      | 6                                        | 7                         | \$ 627,166                           | \$ 1,089,400,000                                                                | 94                               | \$ 99,850,810                        | 41                               | \$ 42,569,000                        | 19                                       | \$ 5,267,400                          | 68                   | 4%                       | \$ 47,836,400           |
| Indiana               | 1                                      | 0                                        | 1                         | \$ -                                 | \$ 57,255,621                                                                   | 6                                | \$ 1,500,000                         | 1                                | \$ 1,500,000                         | 1                                        | \$ 1,500,000                          | 0                    | 3%                       | \$ 3,000,000            |
| Iowa                  | 1                                      | 0                                        | 1                         | \$ -                                 | \$ 99,540,840                                                                   | 3                                | \$ -                                 | 0                                | \$ -                                 | 13                                       | \$ 1,678,146                          | 0                    | 0%                       | \$ 1,678,146            |
| Kansas                | 0                                      | 1                                        | 1                         | \$ 100,000                           | \$ 191,650,000                                                                  | 7                                | \$ 28,950,000                        | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Kentucky              | 0                                      | 5                                        | 5                         | \$ 295,164                           | \$ 202,530,000                                                                  | 56                               | \$ 256,767,000,000                   | 0                                | \$ -                                 | 3                                        | \$ 817,026.89                         | 0                    | 0%                       | \$ 817,027              |
| Louisiana             | 0                                      | 1                                        | 1                         | \$ 39,000                            | \$ 104,994,690                                                                  | 10                               | \$ 11,614,561                        | 1                                | \$ 5,100,000                         | 2                                        | \$ 6,067,744                          | 131                  | 5%                       | \$ 11,167,744           |
| Maine                 | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 1                                        | \$ 369,714                            | 0                    | 0%                       | \$ 369,714              |
| Maryland              | 0                                      | 1                                        | 1                         | \$ 28,846                            | \$ 52,650,040                                                                   | 19                               | \$ (2,310,113)                       | 7                                | \$ (753,970)                         | 0                                        | \$ -                                  | -26                  | -1%                      | \$ (753,970)            |
| Massachusetts         | 0                                      | 1                                        | 1                         | \$ 153,832                           | \$ 224,005,521                                                                  | 6                                | \$ 22,893,775                        | 5                                | \$ 15,463,220                        | 1                                        | \$ 11,131                             | 101                  | 7%                       | \$ 15,474,351           |
| Michigan              | 0                                      | 8                                        | 8                         | \$ 533,150                           | \$ 1,002,097,600                                                                | 65                               | \$ 37,039,400                        | 19                               | \$ 10,815,000                        | 9                                        | \$ 2,887,388                          | 20                   | 1%                       | \$ 13,702,388           |
| Minnesota             | 0                                      | 7                                        | 7                         | \$ 479,462                           | \$ 353,400,000                                                                  | 50                               | \$ 77,660,000                        | 33                               | \$ 14,760,000                        | 0                                        | \$ -                                  | 31                   | 4%                       | \$ 14,760,000           |
| Mississippi           | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 1                                        | \$ 1,060,918                          | 0                    | 0%                       | \$ 1,060,918            |
| Missouri              | 114                                    | 3                                        | 117                       | \$ 136,918                           | \$ 270,128,477                                                                  | 99                               | \$ 18,231,000                        | 69                               | \$ 18,231,000                        | 23                                       | \$ 2,200,000                          | 133                  | 7%                       | \$ 20,431,000           |
| Montana               | 0                                      | 2                                        | 2                         | \$ 86,693                            | \$ 87,700,000                                                                   | 11                               | \$ 20,098,000                        | 3                                | \$ 5,024,500                         | 1                                        | \$ 3,814,170                          | 58                   | 6%                       | \$ 8,838,670            |
| Nebraska              | 0                                      | 1                                        | 1                         | \$ 48,588                            | \$ 61,224,012                                                                   | 8                                | \$ 10,983,000                        | 3                                | \$ 987,000                           | 2                                        | \$ 64,323                             | 20                   | 2%                       | \$ 1,051,323            |
| Nevada                | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| New Hampshire         | 0                                      | 1                                        | 1                         | \$ -                                 | \$ 24,600,000                                                                   | 0                                | \$ -                                 | 0                                | \$ -                                 | 1                                        | \$ 101,741                            | 0                    | 0%                       | \$ 101,741              |
| New Jersey            | 5                                      | 0                                        | 5                         | \$ 134,599                           | \$ 403,000,000                                                                  | 28                               | \$ -                                 | 23                               | \$ 1,400,000                         | 1                                        | \$ 764,588                            | 10                   | 0%                       | \$ 2,164,588            |
| New Mexico            | 0                                      | 3                                        | 3                         | \$ 370,000                           | \$ 380,000,000                                                                  | 97                               | \$ 123,789,500                       | 23                               | \$ 50,733,500                        | 3                                        | \$ 443,690                            | 137                  | 13%                      | \$ 51,177,190           |
| New York              | 0                                      | 4                                        | 4                         | \$ 186,415                           | \$ 428,306,516                                                                  | 88                               | \$ 30,878,185                        | 34                               | \$ 2,295,259                         | 6                                        | \$ 1,246,085                          | 12                   | 1%                       | \$ 3,541,344            |
| North Carolina        | 2                                      | 11                                       | 13                        | \$ 305,915                           | \$ 998,988,942                                                                  | 101                              | \$ 61,583,136                        | 41                               | \$ 15,381,059                        | 10                                       | \$ 4,590,863                          | 50                   | 2%                       | \$ 19,971,922           |
| North Dakota          | 0                                      | 1                                        | 1                         | \$ 22,849                            | \$ 50,651,499                                                                   | 5                                | \$ 4,161,890                         | 1                                | \$ 62,000                            | 0                                        | \$ -                                  | 3                    | 0%                       | \$ 62,000               |
| Ohio                  | 4                                      | 0                                        | 4                         | \$ 6,983                             | \$ 244,615,299                                                                  | 3                                | \$ 703,377                           | 2                                | \$ 546,891                           | 11                                       | \$ 4,726,928                          | 78                   | 0%                       | \$ 5,273,819            |
| Oklahoma              | 4                                      | 0                                        | 4                         | \$ 14,000                            | \$ 202,226,985                                                                  | 16                               | \$ 13,430,000                        | 9                                | \$ 11,030,000                        | 1                                        | \$ 218,672                            | 788                  | 5%                       | \$ 11,248,672           |
| Oregon                | 0                                      | 3                                        | 3                         | \$ 212,890                           | \$ 103,406,297                                                                  | 33                               | \$ 35,928,000                        | 19                               | \$ 17,671,950                        | 11                                       | \$ 676,463                            | 83                   | 17%                      | \$ 18,348,413           |
| Pennsylvania          | 0                                      | 8                                        | 8                         | \$ 343,905                           | \$ 1,554,799,984                                                                | 75                               | \$ 184,119,955                       | 23                               | \$ 10,743,749                        | 0                                        | \$ -                                  | 31                   | 1%                       | \$ 10,743,749           |
| Puerto Rico           | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Rhode Island          | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| South Carolina        | 0                                      | 3                                        | 3                         | \$ 73,635                            | \$ 424,061,783                                                                  | 32                               | \$ 52,179,203                        | 8                                | \$ 11,868,392                        | 0                                        | \$ -                                  | 161                  | 3%                       | \$ 11,868,392           |
| South Dakota          | 2                                      | 0                                        | 2                         | \$ 24,000                            | \$ 165,000,000                                                                  | 10                               | \$ 30,550,000                        | 1                                | \$ 1,255,684                         | 1                                        | \$ 141,604                            | 52                   | 1%                       | \$ 1,397,288            |
| Tennessee             | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 7                                        | \$ 4,204,138                          | 0                    | 0%                       | \$ 4,204,138            |
| Texas                 | 0                                      | 29                                       | 29                        | \$ 1,199,420                         | \$ 11,340,229,123                                                               | 352                              | \$ 453,970,000                       | 177                              | \$ 314,750,000                       | 0                                        | \$ -                                  | 262                  | 3%                       | \$ 314,750,000          |
| Utah                  | 0                                      | 4                                        | 4                         | \$ 412,804                           | \$ 302,208,321                                                                  | 55                               | \$ (5,957,000)                       | 19                               | \$ 30,140,000                        | 0                                        | \$ -                                  | 73                   | 10%                      | \$ 30,140,000           |
| Vermont               | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Virginia              | 0                                      | 7                                        | 7                         | \$ 63,411                            | \$ 1,786,121,898                                                                | 26                               | \$ 1,128,507                         | 17                               | \$ 3,920,910                         | 5                                        | \$ 73,435                             | 62                   | 0%                       | \$ 3,994,345            |
| Washington            | 2                                      | 5                                        | 7                         | \$ 983,374                           | \$ 864,902,256,000                                                              | 56                               | \$ 169,851,160,000                   | 17                               | \$ 135,650,000,000                   | 0                                        | \$ -                                  | 138                  | 16%                      | \$ 135,650,000          |
| West Virginia         | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 4                                        | \$ 733,356                            | 0                    | 0%                       | \$ 733,356              |
| Wisconsin             | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 16                                       | \$ 1,169,140                          | 0                    | 0%                       | \$ 1,169,140            |
| Wyoming               | 1                                      | 0                                        | 1                         | \$ 4,500                             | \$ 6,000,000                                                                    | 1                                | \$ 185,500                           | 0                                | \$ -                                 | 2                                        | \$ 369,991                            | 0                    | 0%                       | \$ 369,991              |
| Central Federal Lands | 0                                      | 0                                        | 0                         | \$ -                                 | \$ -                                                                            | 0                                | \$ -                                 | 0                                | \$ -                                 | 0                                        | \$ -                                  | 0                    | 0%                       | \$ -                    |
| Eastern Federal Lands |                                        |                                          |                           |                                      |                                                                                 |                                  |                                      |                                  |                                      |                                          |                                       | 0                    | 0%                       | \$ -                    |
| Western Federal Lands |                                        |                                          |                           |                                      |                                                                                 |                                  |                                      |                                  |                                      |                                          |                                       | 0                    | 0%                       | \$ -                    |
| <b>TOTALS</b>         | <b>148</b>                             | <b>225</b>                               | <b>373</b>                | <b>\$ 16,412,849</b>                 | <b>\$ 33,778,998,017</b>                                                        | <b>2562</b>                      | <b>\$ 2,626,670,238</b>              | <b>1052</b>                      | <b>\$ 1,344,706,587</b>              | <b>221</b>                               | <b>\$ 74,890,905</b>                  | <b>82</b>            | <b>4%</b>                | <b>\$ 1,419,597,492</b> |