APPENDIX G BENEFIT-COST RATIO CALCULATIONS



DRAFT NOVEMBER 2024
PRELIMINARY FEASIBILITY STUDY
U.S. 23 CORRIDOR STUDY, PID 112768

3.5% daily truck percentage - US 23
3.0% daily truck percentage - intersections (all vehicles)

\$19.91 weighted average value of time - US 23 \$19.92 weighted average value of time - intersections/all vehicles

| NB/SB Arte: 2030 | No-Build Concept D Conce | mcept C Concept B Concept A \$11,773,273 \$18,869,776 \$11,674,268 \$17,076,170 \$11,575,264 \$17,488,957 \$11,476,259 \$17,488,957 \$11,377,254 \$11,179,244 \$11,179,244 \$11,199,243 \$11,199,243 \$11,080,239 \$18,314,532 \$10,981,234 \$18,108,138 \$11,080,239 \$18,314,532 \$10,981,234 \$18,205,295 \$10,882,229 \$18,727,319 \$10,783,225 \$18,933,712 \$10,684,220 \$19,140,106 \$10,585,215 \$19,346,500 \$10,486,210 \$19,552,893 \$10,387,205 \$19,956,681 \$10,189,195 \$20,172,074 \$10,090,190 \$20,378,468 \$9,991,186 \$9,991,186 \$20,584,662 \$9,892,181 \$20,991,649 | 2030 S8,516,565 50 2031 S8,711,516 50 2032 S8,907,667 50 2033 S9,102,317 50 2034 S9,207,668 50 2035 S9,402,319 50 2036 S9,608,069 50 2037 S9,608,069 50 2038 S10,078,570 50 2039 S10,273,821 50 2040 S10,409,077 50 2041 S10,604,822 50 2042 S10,809,573 50 2043 S11,004,824 50 2044 S11,260,074 50 2045 S11,445,325 50 2046 S11,460,779 50 2047 S11,415,325 50 2048 S12,011,077 50 2049 S12,201,077 50 | ncept C Concept B Concept A 54,188,959 \$4,263,118 \$4,263,118 \$4,372,76 \$8,907,067 \$4,411,435 \$9,102,317 \$4,485,593 \$9,297,568 \$4,559,752 \$9,492,819 \$4,633,910 \$9,688,669 \$4,708,069 \$9,883,320 \$4,782,227 \$10,078,570 \$4,856,386 \$10,273,321 \$4,930,544 \$10,469,072 \$5,004,703 \$10,664,322 \$5,078,861 \$10,899,573 \$5,153,020 \$11,054,824 \$5,227,178 \$11,250,074 \$5,301,337 \$11,45,225 \$5,373,495 \$11,460,575 \$5,449,654 \$11,835,826 \$5,523,812 \$11,031,077 \$5,597,971 \$12,226,327 \$5,672,129 \$12,221,578 | No-Build | | No-Build Concept D Concept C Concept C | \$13,255 \$13,606,629 \$15,572 \$13,961,466 \$15,7888 \$14,316,302 \$10,0204 \$14,671,139 \$15,025,975 \$15,380,812 \$15,735,649 \$19,470 \$16,090,485 |
|---|--|---|---|---|---|---|---|---|
| Safety 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Concept D Co | Concept B Concept A | Safety Concept D S S S S S S S S S S S S S | Concept C Concept B Concept A | 2042 \$ - \$ - \$ - 2043 \$ - \$ - \$ - \$ - 2044 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ | Concept B Concept A \$ 250,033 \$ 226,399 \$ 255,034 \$ 230,927 \$ 260,135 \$ 235,546 \$ 265,337 \$ 240,257 \$ 270,644 \$ 245,062 \$ 276,657 \$ 249,963 \$ 281,578 \$ 254,962 \$ 287,210 \$ 260,061 \$ 292,954 \$ 255,263 \$ 298,813 \$ 270,568 \$ 304,789 \$ 275,979 \$ 310,885 \$ 281,499 \$ 317,103 \$ 287,129 \$ 323,445 \$ 292,871 \$ 329,914 \$ 298,729 \$ 336,512 \$ 304,703 \$ 343,242 \$ 310,797 \$ 350,107 \$ 317,013 \$ 357,109 \$ 323,354 \$ 364,251 \$ 329,821 | 2032 \$ \$ \$ \$ \$ 25 25 25 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 26 27 27 2035 \$ \$ \$ \$ \$ \$ \$ \$ 27 27 27 27 27 27 27 27 27 27 27 28 29 29 29 29 \$ </th <th>3 Concept A 0,033 \$ 226,399 5,034 \$ 230,927 1,335 \$ 235,546 5,337 \$ 240,257 6,644 \$ 245,062 6,057 \$ 249,963 1,578 \$ 254,962 7,210 \$ 260,061 9,954 \$ 265,263 3,813 \$ 270,568 4,789 \$ 275,979 9,885 \$ 281,499 7,103 \$ 287,129 4,445 \$ 292,871 9,914 \$ 292,872 9,914 \$ 310,797 1,017 \$ 317,013 7,109 \$ 323,354 4,251 \$ 329,821</th> | 3 Concept A 0,033 \$ 226,399 5,034 \$ 230,927 1,335 \$ 235,546 5,337 \$ 240,257 6,644 \$ 245,062 6,057 \$ 249,963 1,578 \$ 254,962 7,210 \$ 260,061 9,954 \$ 265,263 3,813 \$ 270,568 4,789 \$ 275,979 9,885 \$ 281,499 7,103 \$ 287,129 4,445 \$ 292,871 9,914 \$ 292,872 9,914 \$ 310,797 1,017 \$ 317,013 7,109 \$ 323,354 4,251 \$ 329,821 |
| | No-Build Concept D Co | mcept C Concept B Concept A 50 \$9,272,059 \$13,214,173 50 \$8,869,552 \$12,973,659 50 \$8,202,666 \$12,500,247 50 \$7,887,393 \$12,267,475 50 \$7,887,393 \$12,267,475 50 \$7,291,068 \$11,810,070 50 \$7,091,11 \$11,865,28 50 \$6,737,713 \$11,363,812 50 \$6,476,205 \$11,144,954 50 \$5,248,174 \$10,792,8,984 50 \$5,981,749 \$10,715,926 50 \$5,748,127 \$10,592,5799 50 \$5,532,147 \$10,298,621 50 \$5,5097,886 50 \$5,987,020 \$5,694,838 50 \$4,879,020 \$5,694,838 50 \$4,879,020 \$5,694,838 50 \$4,838,185 \$59,499,591 50 \$4,338,185 \$9,499,591 50 \$4,338,185 \$9,499,591 50 \$4,115,433 \$9,307,277 50 \$4,338,185 \$9,117,940 50 \$4,115,433 \$9,307,277 50 \$4,338,185 \$9,117,940 50 \$4,115,433 \$8,315,755 50 \$4,155,091,010 \$217,406,962 | 2030 | ncept C Concept B Concept A 50 | 2032 | Concept B Concept A 50 \$7,267,535 \$13,220,080 \$0 \$7,076,214 \$13,215,208 50 \$6,889,827 \$13,198,676 50 \$6,708,251 \$13,171,192 \$0 \$6,531,366 \$13,333,427 \$0 \$6,359,053 \$13,008,026 \$0 \$6,191,198 \$13,029,601 \$0 \$6,027,687 \$12,964,739 \$0 \$5,713,265 \$12,811,909 \$0 \$5,713,265 \$12,811,909 \$0 \$5,562,143 \$12,724,982 \$0 \$5,713,265 \$12,811,909 \$0 \$5,562,143 \$12,724,982 \$0 \$5,713,685 \$12,231,251 \$0 \$5,313,918 \$12,427,888 \$0 \$4,995,900 \$12,318,216 \$0 \$4,863,423 \$12,203,904 \$0 \$4,734,395 \$12,03,904 \$0 \$4,734,395 \$11,962,852 \$0 \$4,608,729 \$11,962,852 \$0 \$4,608,729 \$11,962,852 \$0 \$4,863,423 \$11,707,539 \$0 \$4,367,145 \$11,707,539 \$0 \$4,367,145 \$11,707,539 \$0 \$4,11,052,842 \$251,509,858 | 2031 \$0 \$0 \$5,51 2032 \$0 \$0 \$5,54 2033 \$0 \$0 \$5,54 2034 \$0 \$0 \$5,24 2035 \$0 \$0 \$5,24 2036 \$0 \$0 \$5,14 2037 \$0 \$0 \$0 \$5,24 2038 \$0 \$0 \$0 \$4,92 2039 \$0 \$0 \$0 \$4,82 2040 \$0 \$0 \$0 \$5,48 2041 \$0 \$0 \$0 \$4,65 2042 \$0 \$0 \$0 \$4,65 2042 \$0 \$0 \$0 \$4,65 2043 \$0 \$0 \$0 \$4,65 2044 \$0 \$0 \$0 \$4,22 2045 \$0 \$0 \$0 \$4,22 2046 \$0 \$0 \$0 \$0 \$4,22 2046 | 13,255 \$13,606,629 18,412 \$10,607,256 13,671 \$10,549,800 10,778 \$10,448,609 19,724 \$10,416,905 10,503 \$10,342,288 13,103 \$10,262,740 13,103 \$10,262,740 13,1725 \$10,178,626 13,1726 \$10,090,292 11,723 \$9,902,267 13,023 \$9,902,267 13,023 \$9,902,67 13,023 \$9,902,267 13,023 \$9,902,267 13,023 \$9,902,115 11,295 \$9,902,115 11,295 \$9,596,317 18,006 \$9,489,051 16,6412 \$9,379,559 16,6494 \$9,268,074 18,234 \$9,154,812 11,615 \$9,039,983 16,617 \$9,939,983 16,617 \$9,939,983 16,617 \$9,939,983 |
| Segment 1S | Congestion \$0 Safety Total Benefit \$0 Low Cost High Cost Max B/C Min B/C | \$0 \$125,091,010 \$217,406,962 \$ 3,437,753 \$ 3,112,801 \$0 \$128,528,763 \$220,519,763 \$ 65,000,000 \$ 395,000,000 \$ 85,000,000 \$ 550,000,000 1.98 0.56 1.51 0.40 | Congestion \$0 Safety \$ - \$ Total Benefit \$0 Low Cost \$ \$ High Cost \$ - \$ Max B/C Min B/C | \$0 \$56,495,211 \$119,734,801 - \$ 3,437,753 \$ 3,112,801 \$0 \$59,932,964 \$122,847,603 - \$ 65,000,000 \$ 395,000,000 - \$ 85,000,000 \$ 550,000,000 0.92 0.31 0.71 0.22 | Safety \$ - \$ · Total Benefit \$0 Low Cost \$ - \$ · | \$0 \$111,052,842 \$251,509,858 \$ \$ 3,437,753 \$ \$ 3,112,801 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Safety \$ - \$ 3,43 Total Benefit \$0 \$0 \$95,45 Low Cost \$ - \$ - \$ 65,00 | |

3.5% daily truck percentage - US 23
3.0% daily truck percentage - intersections (all vehicles)

\$19.91 weighted average value of time - US 23 \$19.92 weighted average value of time - intersections/all vehicles

| | | | | | | SCA | ALED | | | | | _ | | | | | | SCALED | | | | | |
|--|---|--|---|--|--|--|--|---|---|---|--|--|--|---|---|--|--|--|---|--|---|--|--|
| NB/SB Arter | rial Delay No-Build | Concont D | Concont C | Concont P | Concont A | NB, | /SB Arterial Delay No-Build | Concont D | Concont C C | oncont P Co | ncont A | Intersection I | elay No-Build | Concent D | Concont C Co | oncont P Cor | ncept A | Intersection Del | ay No-Build | Concont D | Concont C C | ancont P Conc | ont A |
| 2030 \$14,004,6 | | \$11,376,397 | Concept C \$13,664,486 | \$14,004,661 | \$14,004,661 | 2030 | | Concept D \$0 \$6,222,315 | \$8,116,164 C | oncept B Co \$8,456,340 | \$8,456,340 | 2030 | \$14,010,922 | Concept D \$0 \$10,272,264 | \$13,236,752 | oncept B Cor \$14,010,922 | \$14,010,922 | 2030 \$ | 11,184,118 | Concept D \$0 \$8,006,258 | \$10,409,948 | | ept A 511,184,118 |
| 2031 \$14,325,2 | 131 \$0 | | \$13,974,902 | \$14,325,231 | \$14,325,231 | | | \$0 \$6,426,107 | \$8,290,829 | \$8,759,926 | \$8,759,926 | 2031 | | \$0 \$10,675,102 | | | \$14,533,869 | 2031 | 11,510,765 | \$0 \$8,230,813 | , | | 11,510,765 |
| 2032 \$14,645,8 2033 \$14,966,3 | 01 \$0 171 \$0 | | \$14,285,317 \$14,595,733 | \$14,645,801 \$14,966,371 | \$14,645,801 \$14,966,371 | 2032 | | \$0 \$6,629,900 \$0 \$6,833,692 | \$8,465,494 \$8,640,158 | \$9,063,511 \$9,367,097 | \$9,063,511 \$9,367,097 | 2032 2033 | | \$0 \$11,077,941 \$0 \$11,480,779 | \$14,249,092 \$14,755,263 | | \$15,056,817 \$15,579,765 | 2032 S 2033 S | 11,837,412 | \$0 \$8,455,367 \$0 \$8,679,921 | , | | 11,837,412 12,164,059 |
| 2034 \$15,286,9 | | | \$14,906,149 | \$15,286,941 | \$15,286,941 | _ | | \$0 \$7,037,484 | \$8,814,823 | \$9,670,683 | \$9,670,683 | 2034 | | \$0 \$11,883,618 | \$15,261,433 | | \$16,102,713 | | 12,490,706 | \$0 \$8,904,475 | | | 12,490,706 |
| 2035 \$15,607,5 | | | \$15,216,565 | \$15,607,511 | \$15,607,511 | | | \$0 \$7,241,276 | \$8,989,488 | \$9,974,269 | \$9,974,269 | 2035 | | \$0 \$12,286,456 | \$15,767,604 | | \$16,625,661 | | 12,817,353 | \$0 \$9,129,029 | | | 12,817,353 |
| 2036 \$15,928,0 2037 \$16,248,6 |)81 \$0 551 \$0 | | \$15,526,981 \$15,837,397 | \$15,928,081 \$16,248,651 | \$15,928,081 \$16,248,651 | 2036 SE 2037 SE | | \$0 \$7,445,069 \$0 \$7,648,861 | \$9,164,153 \$9,338,818 | \$10,277,855 \$10,581,441 | \$10,277,855 \$10.581.441 | 2036 2037 | | \$0 \$12,689,295 \$0 \$13,092,133 | \$16,273,774 \$16,779,945 | | \$17,148,609 \$17.671.557 | 2036 S 2037 S | 13,144,000 13,470,647 | \$0 \$9,353,583 \$0 \$9,578,137 | | | 13,144,000 13,470,647 |
| 2038 \$16,569,2 | | | \$16,147,812 | \$16,569,221 | \$16,569,221 | 2038 \$ | | \$0 \$7,852,653 | \$9,513,483 | \$10,885,027 | \$10,885,027 | 2038 | | \$0 \$13,494,972 | | | \$18,194,505 | | 13,797,295 | \$0 \$9,802,691 | \$11,973,052 | | 13,797,295 |
| 2039 \$16,889,7 | | , ,, ,, ,, | \$16,458,228 | \$16,889,791 | \$16,889,791 | 2039 \$ | | \$0 \$8,056,445 | \$9,688,147 | \$11,188,613 | \$11,188,613 | 2039 2040 | | \$0 \$13,897,810 | | | \$18,717,453 | | | \$0 \$10,027,246 | | | 14,123,942 |
| 2040 \$17,210,3 2041 \$17,530,9 | \$61 \$0 \$31 \$0 | | \$16,768,644 \$17,079,060 | \$17,210,361 \$17,530,931 | \$17,210,361 \$17,530,931 | 2040 \$1 2041 \$1 | | \$0 \$8,260,238 \$0 \$8,464,030 | \$9,862,812 \$10,037,477 | \$11,492,199 \$11,795,785 | \$11,492,199 \$11,795,785 | 2040 | | \$0 \$14,300,649 \$0 \$14,703,487 | \$18,298,456 \$18,804,627 | | \$19,240,401 \$19,763,349 | 2040 | | \$0 \$10,251,800 \$0 \$10,476,354 | | | 14,450,589 14,777,236 |
| 2042 \$17,851,5 | \$01 \$0 | \$13,814,384 | \$17,389,476 | \$17,851,501 | \$17,851,501 | 2042 \$ | | \$0 \$8,667,822 | \$10,212,142 | \$12,099,371 | \$12,099,371 | 2042 | | \$0 \$15,106,326 | \$19,310,797 | \$20,286,297 | \$20,286,297 | 2042 \$ | | \$0 \$10,700,908 | \$12,754,604 | \$15,103,883 \$ | 15,103,883 |
| 2043 \$18,172,0 2044 \$18,492,6 | | | \$17,699,892 \$18.010.307 | \$18,172,071 \$18.492.641 | \$18,172,071 \$18,492,641 | | | \$0 \$8,871,614 \$0 \$9.075.406 | \$10,386,807 \$10.561,472 | \$12,402,957 \$12,706,543 | \$12,402,957 \$12,706,543 | 2043 2044 | | \$0 \$15,509,164 \$0 \$15,912.003 | \$19,816,968 \$20,323,138 | | \$20,809,245 \$21,332,192 | | | \$0 \$10,925,462 \$0 \$11.150.016 | | | 15,430,530 15,757,177 |
| 2045 \$18,813,2 | | | \$18,320,723 | \$18,813,211 | \$18,813,211 | 2045 | | \$0 \$9,279,199 | \$10,736,137 | \$13,010,129 | \$13,010,129 | 2045 | | \$0 \$16,314,841 | \$20,829,309 | | \$21,855,140 | | | \$0 \$11,374,570 | , ., ., ., | | 16,083,824 |
| 2046 \$19,133,7 | | | \$18,631,139 | \$19,133,781 | \$19,133,781 | 2046 5 | | \$0 \$9,482,991 | \$10,910,801 | \$13,313,715 | \$13,313,715 | 2046 | | \$0 \$16,717,680 | | | \$22,378,088 | | | \$0 \$11,599,124 | , .,, | | 16,410,471 |
| 2047 \$19,454,3 2048 \$19,774,9 | | , ,, | \$18,941,555 \$19,251,971 | \$19,454,351 \$19,774,921 | \$19,454,351 \$19,774,921 | | | \$0 \$9,686,783 \$0 \$9.890.575 | \$11,085,466 \$11,260,131 | \$13,617,301 \$13,920.887 | \$13,617,301 \$13,920,887 | 2047 2048 | | \$0 \$17,120,518 \$0 \$17,523,357 | | \$22,901,036 \$23,423,984 | \$22,901,036 \$23,423,984 | | | \$0 \$11,823,678 \$0 \$12.048.233 | | | 316,737,119 317.063.766 |
| 2049 \$20,095,4 | 91 \$0 | \$15,236,543 | \$19,562,387 | \$20,095,491 | \$20,095,491 | | | \$0 \$10,094,368 | \$11,434,796 | \$14,224,473 | \$14,224,473 | 2049 | | \$0 \$17,926,195 | \$22,853,991 | | \$23,946,932 | | | \$0 \$12,272,787 | \$14,122,320 | \$17,390,413 \$ | 17,390,413 |
| 2050 \$20,416,0 | 061 \$0 | \$15,439,709 | \$19,872,802 | \$20,416,061 | \$20,416,061 | 2050 \$: | 14,528,059 | \$0 \$10,298,160 | \$11,609,461 | \$14,528,059 | \$14,528,059 | 2050 | \$24,469,880 | \$0 \$18,329,034 | \$23,360,161 | \$24,469,880 | \$24,469,880 | 2050 \$ | 17,717,060 | \$0 \$12,497,341 | \$14,317,708 | \$17,717,060 \$ | 17,717,060 |
| ECAT Safety | , | | | | | ECA | AT Safety | | | | | E | AT Safety | | | | | ECAT | T Safety | | | | |
| | | | | | Concept A | | | | | | oncept A | | | Concept D | | | ncept A | | | | | oncept B Conc | |
| 2031 2032 | | \$ 1,085,850 \$ 1.115.385 | \$ 1,650,385 \$ 1.695,276 | | \$ 2,056,670 \$ 2,112,612 | | | | \$ 1,650,385 S | | | 2031 2032 | | | \$ 1,650,385 \$ \$ 1,695,276 \$ | | | 2031 2032 | | | | 1,675,476 \$ 1 1,721,049 \$ 1 | |
| 2033 | | \$ 1,145,723 | , , , , , , | | \$ 2,170,075 | | | | \$ 1,741,387 | | | 2033 | | | \$ 1,741,387 \$ | | | 2033 | | | | 1,767,862 \$ | |
| 2034 | | \$ 1,176,887 \$ 1,208.898 | \$ 1,788,753 \$ 1.837.407 | | \$ 2,229,101 \$ 2,289,732 | | | | \$ 1,788,753 S \$ 1,837,407 S | | | 2034 2035 | | | \$ 1,788,753 \$ \$ 1,837,407 \$ | | | 2034 2035 | | | | 1,815,948 \$ 1 1,865,341 \$ 1 | |
| 2035 2036 | | , , , | \$ 1,887,385 | | , , , , , | | | | \$ 1,887,385 | | | 2036 | | | \$ 1,887,385 \$ | | | 2035 | | | | 5 1,865,541 \$. 5 1,916,079 \$: | |
| 2037 | | \$ 1,275,557 | \$ 1,938,722 | , , , , , , , | , , ,,,,,,, | | | | \$ 1,938,722 | | | 2037 | | | \$ 1,938,722 \$ | | | 2037 | | | | 1,968,196 \$ | |
| 2038 2039 | | \$ 1,310,252 \$ 1.345.891 | \$ 1,991,455 \$ 2,045,622 | | | | | | \$ 1,991,455 \$ 2,045,622 | | | 2038 | | | \$ 1,991,455 \$ \$ 2,045,622 \$ | | | 2038 2039 | | | | 2,021,731 \$ 2 2,076,722 \$ 2 | |
| 2040 | | \$ 1,382,499 | | | | | | | \$ 2,101,263 | | | 2040 | | | \$ 2,101,263 \$ | | | 2040 | | | | 2,133,209 \$ | |
| 2041 | | \$ 1,420,103 | , , , , , | . , . , . | , , , , , , | | | | \$ 2,158,418 | | | 2041 2042 | | | \$ 2,158,418 \$ | | | 2041 | | | | 2,191,232 \$ | |
| 2042 2043 | | \$ 1,458,730 \$ 1,498,407 | \$ 2,217,127 \$ 2,277,432 | , , , , , , , | \$ 2,762,929 \$ 2,838,081 | | | | \$ 2,217,127 S | | | 2042 | | | \$ 2,217,127 \$ \$ 2,277,432 \$ | | | 2042 | | | | 2,250,834 \$ 2 2,312,056 \$ 2 | |
| 2044 | | \$ 1,539,164 | , , , , , , , | + =,=,= | \$ 2,915,277 | | | | \$ 2,339,379 | | | 2044 | | \$ 1,539,164 | \$ 2,339,379 \$ | \$ 2,374,944 \$ | 2,915,277 | 2044 | | , , , , , , , | , , , , , , , , , | 2,374,944 \$ | ,, |
| 2045 2046 | | \$ 1,581,029 \$ 1.624.033 | \$ 2,403,010 | \$ 2,439,543 \$ 2,505,898 | \$ 2,994,572 \$ 3.076.025 | | | | \$ 2,403,010 S | | | 2045 2046 | | | \$ 2,403,010 \$ \$ 2,468,372 \$ | | | 2045 2046 | | | | 2,439,543 \$ 2 2,505,898 \$ 3 | |
| 2047 | | \$ 1,668,207 | \$ 2,535,511 | , | \$ 3,159,692 | | | | \$ 2,535,511 | | | 2047 | | | \$ 2,535,511 \$ | | | 2047 | | | | 2,574,059 \$ | |
| | | | | A 2 C 4 4 0 7 2 | \$ 3,245,636 | | | ć 1712F02 | C 2 COA 477 1 | 2 2 2 4 4 2 7 2 2 | 2 245 626 | 2048 | | \$ 1,713,582 | \$ 2604.477 \$ | \$ 26/4073 \$ | 3 245 636 | 2048 | | | ¢ 2.004.477 (| 2,644,073 \$ | 3,245,636 |
| 2048 | | \$ 1,713,582 | , , , , | | , ., | | | | | 2,644,073 \$ | | | | | | | | | | | | | |
| 2048 2049 2050 | | \$ 1,713,582 \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | | | \$ 1,760,192 | \$ 2,675,319 \$ 2,748,088 | 2,715,992 \$ | 3,333,917 | 2049 2050 | | \$ 1,760,192 | \$ 2,675,319 \$ \$ 2,748,088 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 2050 | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ 3 5 2,789,867 \$ | |
| 2049 | | \$ 1,760,192 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | |
| 2049 | | \$ 1,760,192 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | |
| 2049 | ure Discounting Rat | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 | | \$ 1,760,192 | \$ 2,675,319 | 2,715,992 \$ | |
| 2049 2050 3.1% USDOT Futu | ure Discounting Rat | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | Disc | counted Values to Cur | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | 2,715,992 \$ | 3,333,917 | 2049 2050 | scounted Values to Curr | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 2050 | ounted Values to Curry | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | 2,715,992 \$ | |
| 2049 2050 3.1% USDOT Futu Discounted | Values to Current I | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | \$ 2,715,992 | \$ 3,333,917 | SCA | ALED | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | 2,715,992 \$ | 3,333,917 | 2049 2050 D | | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ | \$ 2,715,992 \$ | 3,333,917 | 2049 2050 Discr SCAL | LED | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 | 2,715,992 \$ | |
| 2049 2050 3.1% USDOT Futu | Values to Current I | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 | \$ 2,715,992 \$ 2,789,867 | \$ 3,333,917 \$ 3,424,600 | SCA | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 | \$ 2,715,992 \$ \$ 2,789,867 \$ | 3,333,917 3,424,600 | 2049 2050 D | tersection Delay | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ \$ 2,748,088 \$ | \$ 2,715,992 \$ \$ 2,789,867 \$ | 3,333,917 3,424,600 | 2049 2050 Discr SCAL | LED rsection Delay | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 \$ | 5 2,715,992 \$: 5 2,789,867 \$: | 3,424,600 |
| 2049 2050 3.1% USDOT Futu Discounted | Values to Current I | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 | \$ 2,715,992 \$ 2,789,867 | \$ 3,333,917 | SCA | ALED | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 | \$ 2,715,992 \$ \$ 2,789,867 \$ | 3,333,917 | 2049 2050 D | | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ \$ 2,748,088 \$ | \$ 2,715,992 \$ \$ 2,789,867 \$ \$ | 3,333,917 | 2049 2050 Discr SCAL | LED | \$ 1,760,192 \$ 1,808,069 | \$ 2,675,319 \$ 2,748,088 \$ | 5 2,715,992 \$: 6 2,789,867 \$: 0 concept B Conc | 3,424,600 |
| 2049 2050 3.1% USDOT Futu Discounted ' NB/SB Arter | Values to Current I rial Delay No-Build \$0 | \$ 1,760,192 \$ 1,808,069 See Concept D 58,911,184 \$8,797,599 | \$ 2,675,319 \$ 2,748,088 Concept C 510,703,455 \$10,617,463 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 | SCA NB/ 2030 2031 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 54 873,968 50 \$4,882,250 | \$ 2,675,319 \$ 2,748,088 Concept C C \$6,357,428 \$6,298,976 | 5 2,715,992 \$ 5 2,789,867 \$ oncept B Co 56,623,890 \$6,655,373 | 3,333,917 3,424,600 oncept A 56,623,890 \$6,655,373 | 2049 2050 D Ir 2030 2031 | tersection Delay | \$ 1,760,192 \$ 1,808,069 ent bollars Concept D 50 \$8,046,311 \$0 \$8,110,433 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 5 2,715,992 \$ 5 2,789,867 \$ oncept B Cor \$10,974,819 \$11,042,140 | 3,333,917 3,424,600 mcept A 510,974,819 511,042,140 | 2049 2050 Disco SCAL Inter 2030 2031 | LED rsection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars | \$ 2,675,319 \$ 2,748,088 \$ Concept C \$ 510,409,948 \$ \$8,057,428 | 5 2,715,992 \$: 5 2,789,867 \$: 0 concept B Conc \$11,184,118 \$ \$8,745,330 | eept A 111,184,118 \$8,745,330 |
| 2049 2050 3.1% USDOT Futu Discounted NB/SB Arter | Values to Current I rial Delay No-Build | \$ 1,760,192 \$ 1,808,069 The concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 | SCA NB/ 2030 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars | \$ 2,675,319 \$ 2,748,088 Concept C C \$6,357,428 | 5 2,715,992 \$ 5 2,789,867 \$ oncept B Cc 56,623,890 | 3,333,917 3,424,600 | 2049 2050 D | tersection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$8,046,311 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 5 2,715,992 \$ \$ 2,789,867 \$ \$ oncept B Cor \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,333,917 3,424,600 incept A 510,974,819 511,042,140 511,095,491 | 2049 2050 Disco SCAL Inter | LED rsection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$8,006,258 | \$ 2,675,319 \$ 2,748,088 \$ Concept C \$ 510,409,948 \$ \$8,057,428 | 5 2,715,992 \$: 5 2,789,867 \$: concept B Conc \$11,184,118 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 3,424,600 eept A |
| 2049 2050 3.1% USDOT Futu Discounted ' NB/SB Arter 2030 2031 2032 2033 2034 | Values to Current I rial Delay No-Build 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Lee Concept D SS 911,84 SR,797,599 SR,682,788 SR,5682,788 SR,568,888 SR,568,888 SR,568,888 SR,568,185 | \$ 2,675,319 \$ 2,748,088 Concept C 510,703,455 \$10,617,463 \$10,526,966 \$10,432,361 \$10,333,834 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 | SCA NB/ 2030 2031 2032 2033 2034 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 54,873,968 50 \$4,882,250 50 \$4,884,387 50 \$4,878,805 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 56,298,976 \$ 56,238,291 \$ 56,179,561 \$ 56,110,963 | 5 2,715,992 \$ 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 3,789,879,879,879,879,879,879,879,879,879 | 3,333,917 3,424,600 S6,623,890 S6,655,373 S6,678,975 S6,695,141 S6,704,296 | 2049 2050 D Ir 2030 2031 2032 2033 2034 | tersection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D SO \$8,048,311 SO \$8,110,433 SO \$8,163,425 SO \$8,238,434 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 510,974,819 511,042,140 511,095,491 511,135,651 511,163,364 | 3,333,917 3,424,600 mcept A \$10,974,819 \$11,042,140 \$11,042,140 \$11,155,651 \$11,153,651 | 2049 2050 Discc SCAL Inter 2030 2031 2032 2033 2034 | LED rsection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$8,006,258 50 \$6,233,379 50 \$6,230,828 50 \$6,73,114 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ \$ 2,748,088 \$ \$ 2,748,089 \$ \$ 2,748,089 \$ \$ 2,758,617 \$ 2,758,617 | oncept B Conc 51,184 118 58,745,330 58,723,085 58,694,271 58,699,304 | a,424,600 eept A iii,184,118 \$8,743,380 \$8,723,085 \$8,694,271 \$8,659,304 |
| 2049 2050 3.1% USDOT Futu Discounted ' NB/SB Arter 2030 2031 2032 2033 2034 2035 | Values to Current I rial Delay No-Build 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 The bollars Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,227 \$10,597,822 \$10,494,724 | SCA NB/ 2030 2031 2032 2033 2034 2035 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 \$4,873,968 \$0 \$4,882,250 \$0 \$4,884,887 \$0 \$4,884,887 \$0 \$4,884,887 \$0 \$4,884,887 \$0 \$4,869,142 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 5,28,976 \$ 56,238,291 \$ 5,179,561 \$ 5,110,963 \$ 5,044,666 | 5 2,715,992 \$ 2,789,867 \$ concept B Co 6,55,373 \$ 6,678,975 \$ 6,678,975 \$ 6,706,848 | 3,333,917 3,424,600 56,623,890 56,655,373 56,678,975 56,695,141 56,704,296 56,706,848 | 2030 2031 2032 2033 2034 2035 | tersection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$8,046,311 50 \$8,110,433 50 \$8,163,425 50 \$8,205,897 50 \$8,238,434 50 \$8,238,434 50 \$8,238,434 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 510,974,819 511,092,140 511,095,491 511,135,651 511,173,364 511,179,343 | 3,333,917 3,424,600 ncept A 510,974,819 511,042,140 511,095,491 511,135,651 511,135,651 511,179,343 | 2049 2050 Discs SCAL Inter 2030 2031 2032 2033 2034 2035 | LED rsection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$6,203,379 \$0 \$6,230,828 \$0 \$6,230,828 | \$ 2,675,319 \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,089 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$11,184,118 \$8,745,330 \$8,723,085 \$8,694,271 \$8,659,304 \$8,618,580 | sept A 111,184,118 58,745,330 58,723,085 58,634,271 58,659,304 58,618,580 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 | Values to Current I | \$ 1,760,192 \$ 1,808,069 The Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,016,526 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 54,873,968 50 \$4,882,250 50 \$4,884,387 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,98,976 \$ 62,28,291 \$ 6,179,561 \$ 6,110,963 \$ 6,044,666 \$ 5,976,832 \$ 5,907,631 | 5 2,715,992 \$ 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 5 6,655,373 \$ 6,695,141 \$ 6,704,296 \$ 6,706,848 \$ 6,703,185 \$ 6,693,679 | 3,333,917 3,424,600 S6,623,890 S6,655,373 S6,678,975 S6,704,296 S6,706,848 S6,703,185 S6,693,679 | 2049 2050 D In 2031 2032 2033 2034 2035 2036 2037 | tersection Delay | \$ 1,760,192 \$ 1,808,069 Ent Dollars Concept D SO \$8,048,311 SO \$8,110,433 SO \$8,163,425 SO \$8,28,434 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conscipt B S11,748,748 S11,178,343 S11,184,269 S11,78,791 | 3,333,917 3,424,600 mcept A 510,974,819 511,042,140 511,095,491 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 | LED rsection Delay | ent Dollars Concept D Sourcept D Source | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 6,748,089 \$ \$ 6,759,8617 \$ 7,5656,713 \$ 7,553,923 \$ 7,553,923 \$ 7,553,923 \$ 7,553,923 \$ 7,553,933 | oncept B Conc 51,715,992 \$: 52,789,867 \$: Concept B Conc 51,1184,118 58,745,330 58,732,085 58,694,271 58,699,304 58,618,580 58,572,475 58,572,475 | ept A 11,184,118 58,745,330 58,723,05 58,694,271 58,659,304 58,618,590 58,572,475 58,572,475 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 | Values to Current I rial Delay No-Build So So So So So So So | \$ 1,760,192 \$ 1,808,069 The both states of the states of | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,231,845 \$10,126,648 \$10,018,57,750 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,597,287 \$10,597,287 \$10,597,287 \$10,598,244 \$10,278,680 \$10,166,312 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,378,680 \$10,166,312 | SCA NB, 2030 2031 2032 2033 2034 2035 2036 2037 2038 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 \$4,873,956 50 \$4,882,527 50 \$4,883,527 50 \$4,873,805 50 \$4,838,342 50 \$4,838,547 50 \$4,838,547 50 \$4,838,547 50 \$4,838,547 50 \$4,838,547 50 \$4,838,547 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | Concept B Co. 6,523,890 56,655,373 56,678,975 56,698,141 56,704,296 56,706,848 56,703,185 56,893,679 56,678,848 | 3,333,917 3,424,600 3,424,600 56,655,373 56,678,975 56,695,141 56,704,296 56,708,848 56,703,185 56,678,684 | 2049 2050 D D 2031 2032 2033 2034 2035 2036 2037 2038 | tersection Delay | \$ 1,760,192 \$ 1,808,069 ent Dollars Concept D 50 \$8,046,311 \$0 \$8,110,433 \$0 \$8,163,425 \$0 \$8,25,897 \$0 \$8,25,897 \$0 \$8,261,597 \$0 \$8,275,918 \$0 \$8,28,999 \$0 \$8,28,20,957 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conscipt B S11,0974,819 S11,0974,819 S11,0974,819 S11,135,651 S11,163,364 S11,178,791 S11,178,791 S11,178,791 | 3,333,917 3,424,600 ancept A 510,974,819 511,042,140 511,042,140 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,178,791 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2038 | LED rsection Delay | ent Dollars Concept D Solosias Section 1,808,069 Ent Dollars Concept D Solosias Section 1,808,06,758 Solosias Section 1,908 Solosias Section 1, | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$11,184,118 \$ \$8,745,330 \$ \$8,623,085 \$ \$8,694,271 \$ \$6,618,580 \$ \$8,572,475 \$ \$8,521,352 \$ \$8,521,352 \$ \$8,521,352 \$ \$8,521,352 \$ | ept A 11,184,118 88,745,330 58,723,085 58,659,304 58,552,352 58,552,475 58,521,352 58,521,352 58,521,352 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 | Values to Current I | \$ 1,760,192 \$ 1,808,069 The Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,016,526 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 54,873,968 50 \$4,882,250 50 \$4,884,387 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 50 \$4,873,805 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,98,976 \$ 62,28,291 \$ 6,179,561 \$ 6,110,963 \$ 6,044,666 \$ 5,976,832 \$ 5,907,631 | 5 2,715,992 \$ 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 5 6,655,373 \$ 6,695,141 \$ 6,704,296 \$ 6,706,848 \$ 6,703,185 \$ 6,693,679 | 3,333,917 3,424,600 S6,623,890 S6,655,373 S6,678,975 S6,704,296 S6,706,848 S6,703,185 S6,693,679 | 2049 2050 D In 2031 2032 2033 2034 2035 2036 2037 | tersection Delay | \$ 1,760,192 \$ 1,808,069 Ent Dollars Concept D SO \$8,048,311 SO \$8,110,433 SO \$8,163,425 SO \$8,28,434 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 50,74,819 510,974,819 511,042,140 511,035,651 511,163,364 511,178,791 511,178,791 511,163,503 511,178,791 511,163,503 | 3,333,917 3,424,600 mcept A 510,974,819 511,042,140 511,095,491 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 | LED rsection Delay | ent Dollars Concept D Sourcept D Source | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ \$ 2,748,088 \$ \$ 2,748,089 \$ \$ 2,748,099,948 \$ 57,959,141 \$ 7,759,480 \$ 57,758,617 \$ 57,556,713 \$ 57,555,923 \$ 57,346,259 \$ 57,241,651 | oncept B Conc \$1,184,118 \$8,745,330 \$8,723,085 \$8,694,271 \$8,699,304 \$8,618,580 \$8,572,475 \$8,572,475 \$8,572,475 \$8,405,504 | ept A 11,184,118 58,745,330 58,723,05 58,694,271 58,659,304 58,618,590 58,572,475 58,572,475 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Values to Current I | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,422,313 \$10,231,845 \$10,126,648 \$10,018,526 \$9,907,750 \$9,979,579 \$9,679,555 \$9,562,013 | Concept B \$10,969,916 \$10,969,916 \$10,969,916 \$10,883,627 \$10,797,822 \$10,949,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,294,724 \$10,288,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D 50 \$4,873,968 50 \$4,882,527 50 \$4,885,627 50 \$4,885,627 50 \$4,886,9142 50 \$4,886,9142 50 \$4,886,9142 50 \$4,886,9142 50 \$4,788,503 50 \$4,888,567 50 \$4,888,567 50 \$4,818,122 50 \$4,794,531 50 \$4,794,531 50 \$4,794,531 50 \$4,794,531 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,089 \$ 2,74 | oncept B Cc 6.623.890 5.6678.975 5.6698.141 6.704.296 5.6698.367 5.6698.367 5.6698.369 5.6698.369 5.6698.369 5.6698.369 5.6698.369 5.6698.369 5.6698.369 | 3,333,917 3,424,600 56,653,273 56,678,975 56,695,141 56,704,296 56,708,488 56,703,185 56,678,684 56,678,684 56,678,684 56,673,358 56,673,585 | 2049 2050 D D 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | tersection Delay | \$ 1,760,192 \$ 1,808,069 Concept D 50 \$8,046,311 50 \$8,110,433 50 \$8,130,435 50 \$8,236,434 50 \$8,236,937 50 \$8,238,93 50 \$8,238,93 50 \$8,238,057 50 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conscipt B S11,0974,819 S11,0974,819 S11,0974,819 S11,135,651 S11,135,651 S11,178,791 S11,178,791 S11,139,083 S11,139,083 S11,106,012 S11,06,012 S11,06,012 | 3,333,917 3,424,600 ancept A 510,974,819 511,042,140 511,054,91 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,189,083 511,199,083 511,106,012 511,064,859 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | LED rsection Delay | ent Dollars Concept D S0 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,089 \$ 2,748,09,948 \$ 2,759,141 \$ 7,859,480 \$ 7,758,617 \$ 7,555,923 \$ 7,450,393 \$ 7,346,299 \$ 7,241,651 \$ 7,136,692 \$ 7,136,692 \$ 7,136,692 \$ 7,136,692 \$ 7,136,931,498 \$ 2,744,851 \$ 7,136,692 \$ 7,346,931,498 \$ 2,744,651 \$ 7,346,931,498 \$ 2,744,651 \$ 7,346,931,498 \$ 2,744,651 | oncept B Conc \$1,2715,992 \$ 1.5 \$2,789,867 \$ 5.5 \$1,184,118 \$ 58,745,330 \$ 58,694,271 \$ 58,694,271 \$ 58,618,580 \$ 58,572,475 \$ 58,512,352 \$ 58,405,404 \$ 8,341,220 \$ 58,272,296 | ept A 11,184,118 88,745,330 58,723,085 58,693,04 58,618,580 58,521,352 58,402,475 58,402 |
| 2049 2050 3.1% USDOT Futu Discounted ' NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 The body state of the b | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,233,844 \$10,018,526 \$9,907,750 \$9,794,579 \$9,679,256 \$9,562,013 \$9,443,069 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,288,680 \$10,166,312 \$10,051,140 \$9,934,225 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 concept D \$ 4,873,968 \$ 4,882,250 \$ 54,882,250 \$ 54,884,387 \$ 5 54,878,805 \$ 5 55,650 \$ 5 54,838,122 \$ 5 54,838,125 \$ 5 55,650 \$ 5 54,838,125 \$ 5 54,838,125 \$ 5 55,650 \$ 5 54,838,125 \$ 5 5 55,650 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | 5, 2,715,992 \$ 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 5 2,789,867 \$ 6,655,373 \$ 6,678,684 \$ 6,703,185 \$ 6,693,679 \$ 6,678,684 \$ 6,658,539 \$ 6,633,568 \$ 6,604,078 \$ 6,570,365 \$ 6,604,078 \$ 6,604,078 \$ 6,570,365 \$ 6,604,078 \$ 6,604,0 | 3,333,917 3,424,600 S6,623,890 S6,655,373 S6,678,975 S6,704,296 S6,706,848 S6,703,185 S6,693,679 S6,678,684 S6,658,539 S6,653,568 | 2049 2050 D In 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | tersection Delay | \$ 1,760,192 \$ 1,808,069 Ent Dollars Concept D 50 \$8,048,311 50 \$8,110,433 50 \$8,163,425 50 \$8,268,434 50 \$8,268,434 50 \$8,268,434 50 \$8,268,434 50 \$8,268,434 50 \$8,268,057 50 \$8,288,057 50 \$8,288,057 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 50,748,819 510,974,819 511,042,140 511,035,651 511,163,364 511,178,791 511,178,791 511,163,503 511,163,503 511,163,503 511,106,012 511,06,012 511,06,012 511,06,012 511,064,859 511,016,140 | 3,333,917 3,424,600 mcept A \$10,974,819 \$11,042,140 \$11,095,491 \$11,153,651 \$11,153,364 \$11,179,343 \$11,184,269 \$11,178,791 \$11,183,531 \$11,184,3531 \$11,199,083 \$11,106,012 | 2049 2050 Disco SCAL Inter 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | LED rsection Delay | ent Dollars Concept D Society D Society D Society D Society Society Society Society So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$1,184,118 \$8,745,330 \$8,745,330 \$8,659,304 \$8,619,500 \$8,659,304 \$8,619,500 \$8,572,475 \$8,572,4 | ept A 111.184 118 58,745,330 58,723,385 58,694,271 58,659,304 58,522,475 58,522,1352 58,405,404 58,341,220 58,321,256 58,273,296 58,273,296 58,273,296 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,218,45 \$10,126,648 \$10,018,526 \$9,907,750 \$9,794,579 \$9,679,256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,967,967,967,967,967,967,967,967,96 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,792,24 510,278,680 510,166,312 510,051,410 59,34,225 59,815,001 59,693,965 59,571,334 59,447,313 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,979,610 \$10,697,227 \$10,597,822 \$10,597,822 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,639,965 \$9,571,334 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 **Tent Dollars **Concept D | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | oncept B Cc 5,715,992 S 7,789,867 S Cc 6,703,805 6,678,975 56,695,141 56,704,296 56,706,848 56,703,185 56,693,679 56,678,684 56,673,185 56,693,679 56,678,684 56,604,078 56,570,365 56,533,58 56,604,078 56,570,365 | 3,333,917 3,424,600 S6,655,3273 S6,678,975 S6,695,141 S6,704,296 S6,708,848 S6,703,185 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,533 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,533 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 | 2049 2050 D D III 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | tersection Delay | Concept D Concept D S0 S8,046,311 S0 S8,110,432 S0 S8,136,343 S0 S8,163,435 S0 S8,258,97 S0 S8,28,987 S0 S8,28,987 S0 S8,28,987 S0 S8,28,980,57 S0 S8,28,280,57 S0 S8,28,254,671 S0 S8,23,20,07 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Consistence Consisten | 3,333,917 3,424,600 sincept A 510,974,819 511,042,140 511,054,91 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,190,033 511,164,610 511,064,859 511,064,859 511,064,485 510,960,348 510,960,348 510,960,348 510,960,348 | 2049 2050 Discc SCAL inter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2043 | LED rsection Delay | ent Dollars Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$1,184,118 \$8,745,330 \$8,723,085 \$8,694,271 \$8,694,271 \$8,694,271 \$8,572,475 \$8,572,475 \$8,572,475 \$8,572,475 \$8,572,475 \$8,572,475 \$8,572,475 \$8,572,395 \$8,405,404 \$8,341,220 \$8,341,220 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 \$8,273,296 | 2,424,600 2,424,600 11,184,118 58,745,330 58,723,085 58,693,04 58,613,580 58,521,352 58,402,404 58,521,352 58,402,404 58,521,352 58,402,604 58,213,96 5 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 The book of the b | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,233,845 \$10,126,648 \$10,018,526 \$9,907,750 \$9,979,579 \$9,679,256 \$9,562,013 \$9,443,069 \$9,322,634 \$9,200,904 \$9,078,065 | Concept B \$10,969,916 \$10,883,627 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,633,65 \$9,571,334 \$9,447,313 \$9,322,097 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,574,334 \$9,447,313 \$9,447,313 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2044 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 concept D \$0 \$4,873,568 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,886,627 \$0 \$4,884,387 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,620 \$0 \$4,885,620 \$0 \$4,885,620 \$0 \$4,855,650 \$0 \$4,768,003 \$0 \$4,768 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,89,76 \$ 2,89,76 \$ 2,89,76 \$ 2,89,76 \$ 2,976,832 \$ | oncept B Cc 2,715,992 S 2,789,867 S Cc 2,789,870 S | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6 | 2049 2050 D Ir 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 | tersection Delay | Concept D Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 50,748,819 510,974,819 511,042,140 511,035,651 511,163,364 511,178,791 511,178,791 511,163,503 511,163,003 511,164,009 511,178,791 511,166,012 511,06,012 510,069,348 510,06 | 3,333,917 3,424,600 3,424,600 510,974,819 511,042,140 511,055,491 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,160,012 511,060,12 511,060,12 510,887,951 510,887,951 510,887,951 510,887,951 | 2049 2050 Disco SCAL Inter 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 | LED rsection Delay | ent Dollars Concept D So So,006,238 So So,203,881 So So,203,881 So So,203,881 So So,103,377 So So,103,973 So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$1,184,118 \$8,745,330 \$8,745,330 \$8,659,304 \$8,659,304 \$8,659,304 \$8,659,304 \$8,659,304 \$8,659,304 \$8,659,304 \$8,572,475 \$8, | ept A 111.184 118 58,745,330 58,723,085 58,694,271 58,659,304 58,694,271 58,659,304 58,694,271 58,522,475 58,522,475 58,522,475 58,273,296 58,273,296 58,273,296 58,273,296 58,273,296 58,273,296 58,273,296 58,273,996 58,127,348 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,218,45 \$10,126,648 \$10,018,526 \$9,907,750 \$9,794,579 \$9,679,256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,9256 \$9,967,967,967,967,967,967,967,967,967,96 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,792,24 510,278,680 510,166,312 510,051,410 59,34,225 59,815,001 59,693,965 59,571,334 59,447,313 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,979,610 \$10,697,227 \$10,597,822 \$10,597,822 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,639,965 \$9,571,334 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 **Tent Dollars **Concept D | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | oncept B Cc 5,715,992 S 7,789,867 S Cc 6,703,805 6,678,975 56,695,141 56,704,296 56,706,848 56,703,185 56,693,679 56,678,684 56,673,185 56,693,679 56,678,684 56,604,078 56,570,365 56,533,58 56,604,078 56,570,365 | 3,333,917 3,424,600 S6,655,3273 S6,678,975 S6,695,141 S6,704,296 S6,708,848 S6,703,185 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,533 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,533 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 S6,678,684 | 2049 2050 D D III 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | tersection Delay | Concept D Concept D S0 S8,046,311 S0 S8,110,432 S0 S8,136,343 S0 S8,163,435 S0 S8,256,971 S0 S8,28,987 S0 S8,28,987 S0 S8,28,987 S0 S8,28,980,57 S0 S8,28,280,57 S0 S8,28,254,671 S0 S8,23,20,07 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 50.974.819 \$11,042,140 \$11,095,491 \$11,135,651 \$11,178,791 \$11,178,791 \$11,163,531 \$11,184,269 \$11,178,791 \$11,163,531 \$11,160,012 \$11,060,4859 \$11,060,348 \$10,897,951 \$10,829,398 \$10,829,398 \$10,8755,5114 | 3,333,917 3,424,600 sincept A 510,974,819 511,042,140 511,054,91 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,190,033 511,164,610 511,064,859 511,064,859 511,064,485 510,960,348 510,960,348 510,960,348 510,960,348 | 2049 2050 Discc SCAL inter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2043 | LED rsection Delay | ent Dollars Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 6,95,480 \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ \$ 6,95,480 \$ 6 | oncept B Conc \$1,715,992 \$\$ \$2,789,867 \$\$ \$3,745,330 \$\$ \$8,745,330 \$\$ \$8,745,330 \$\$ \$8,745,330 \$\$ \$8,659,304 \$\$ \$8,659,304 \$\$ \$8,659,304 \$\$ \$8,572,475 \$\$ \$8,572,475 \$\$ \$8,572,475 \$\$ \$8,405,404 \$\$ \$8,341,220 \$\$ \$8,341,220 \$\$ \$8,341,220 \$\$ \$8,341,230 \$\$ \$8,201,916 \$\$ \$8,201,916 \$\$ \$7,969,664 \$\$ \$7,969,664 \$\$ | 2,424,600 2,424,600 11,184,118 58,745,330 58,723,085 58,693,04 58,613,580 58,521,352 58,402,404 58,521,352 58,402,404 58,521,352 58,402,604 58,213,96 5 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D 58,911,884 \$8,797,599 \$8,682,788 \$8,566,928 \$8,450,185 \$8,332,717 \$8,214,674 \$8,096,196 \$7,774,16 \$7,588,459 \$7,739,444 \$7,620,481 \$7,501,675 \$7,264,920 \$7,147,149 \$7,029,992 \$6,913,226 | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,018,526 \$9,907,750 \$9,679,256 \$9,562,013 \$9,443,669 \$9,322,634 \$9,076,065 \$8,954,296 \$8,829,762 | \$ 2,715,992 \$ 2,789,867 \$ 2,789,867 \$ 10,969,916 \$ 10,883,627 \$ 10,792,610 \$ 10,697,227 \$ 10,388,244 \$ 10,278,680 \$ 10,166,312 \$ 9,934,225 \$ 9,934,225 \$ 9,934,255 \$ 9,571,334 \$ 9,477,313 \$ 9,322,997 \$ 9,195,870 \$ 9,068,806 \$ 8,941,069 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,574,334 \$9,447,313 \$9,447,313 \$9,447,313 \$9,447,313 \$9,447,313 \$9,447,313 \$9,447,313 \$9,447,313 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 concept D \$0 \$4,873,568 \$0 \$4,882,250 \$0 \$4,884,887 \$0 \$4,886,627 \$0 \$4,884,887 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,650 \$0 \$4,885,650 \$0 \$4,885,650 \$0 \$4,855,650 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,576,810 \$0 \$4,576,810 \$0 \$4,577,612 \$0 \$4,557,612 \$0 \$4,557 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | oncept B Cc 2,715,992 S 2,789,867 S Cc 2,793,867 S Cc 2,794,216 S | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,704,296 S6,704,848 S6,693,679 S6,678,684 S6,573,356 S6,573,356 S6,573,356 S6,573,356 S6,573,356 S6,573,356 S6,573,356 S6,573,356 S6,573,37,08 S6,573,37,08 | 2049 2050 D Ir 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | tersection Delay | Concept D Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,216 \$ 2,050,272 \$ 2,056,337 \$ 2,056,337 \$ 2,056,337 \$ 2,066,374 \$ 2,066,174 \$ 2,058,500 \$ 2,056,299 \$ 2,0528,102 \$ 2,0487,210 \$ 2,0487, | oncept B Cor 50,774,819 510,974,819 511,042,140 511,095,491 511,135,651 511,136,364 511,178,791 511,163,364 511,178,791 511,163,503 511,164,859 511,166,012 510,969,348 510,9 | 3,333,917 3,424,600 31,424,600 510,974,819 511,042,140 511,055,491 511,135,651 511,163,364 511,179,343 511,179,343 511,179,343 511,179,343 511,179,343 511,164,591 511,163,531 511,164,591 511,064,859 511,016,140 510,897,951 510,829,398 510,675,507 510,590,963 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2047 | LED rsection Delay | ent Dollars Concept D So So,006,238 So So,203,88 So So,5,967,389 So So,5,967,389 So So,5,661,159 So So,5,661,59 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 6,857,428 \$ \$ 6,95,428 \$ 6,758,617 \$ 6,566,713 \$ 6,758,617 \$ 6,566,713 \$ 6,7136,692 \$ 7,346,259 \$ 7,346,259 \$ 7,346,259 \$ 7,346,259 \$ 7,346,259 \$ 7,346,259 \$ 6,7136,692 \$ 7,031,498 \$ 6,502,6178 \$ 6,610,457 \$ 6,505,600 \$ 6,610,457 \$ 6,505,600 \$ 6,610,757 \$ 6,505,600 \$ 6,610,072 \$ 6,296,949 \$ \$ 6,29 | oncept B Conc \$1,2715,992 \$\$ \$2,789,867 \$\$ Conc \$11,184,118 \$ \$8,745,330 \$ \$8,745,330 \$ \$8,699,304 \$ \$6,619,305 \$ \$8,572,475 \$ \$8,572,475 \$ \$8,572,475 \$ \$8,405,404 \$ \$8,41,220 \$ \$8,217,348 \$ \$8,049,360 \$ \$7,802,146 \$ \$7,807,023 \$ \$7,802,146 \$ \$7,715,243 | ept A 111,184,118 58,745,330 58,723,085 58,694,271 58,659,304 58,694,271 58,521,352 58,405,404 58,321,352 58,405,404 58,321,320 58,127,348 |
| 2049 2050 3.1% USDOT Futu Discounted 'NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,844 \$10,126,648 \$10,126,648 \$10,18,526 \$9,907,750 \$9,794,579 \$9,679,256 \$9,907,505 \$9,520,013 \$9,43,069 \$9,322,69,94 \$9,078,065 \$8,852,762 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,792,620 510,697,227 510,97,822 510,494,724 510,278,680 510,166,312 510,051,410 59,934,225 59,815,001 59,693,965 59,571,334 59,473,313 59,322,097 59,195,870 59,195,870 59,195,870 | Concept A \$10,969,916 \$10,969,916 \$10,969,916 \$10,883,627 \$10,979,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,934,235 \$9,815,001 \$9,945, | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 | ALED /SB Arterial Delay | \$ 1,760,192 \$ 1,808,069 **Tent Dollars **Concept D 50 54,873,968 50 54,884,387 50 54,884,387 50 54,884,387 50 54,884,387 50 54,884,387 50 54,884,387,50 50 54,884,387,50 50 54,884,387,50 50 54,788,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,768,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,678,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,003 50 54,578,578 50 54,578, | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | oncept B Cc 5,715,992 S 2,789,867 S oncept B Cc 6,703,800 S 6,655,373 56,678,975 56,695,141 56,704,296 56,706,848 56,703,185 56,693,679 56,678,684 56,503,589 56,633,568 56,604,078 56,570,365 56,533,708 56,543,176 56,446,624 56,388,693 | 3,333,917 3,424,600 S6,655,3273 S6,657,975 S6,695,141 S6,704,296 S6,708,848 S6,703,185 S6,678,684 S6,678,684 S6,678,539 S6,678,684 S6,658,539 S6,673,685 S6,674,684 S6,658,539 S6,674,684 S6,674,684 S6,674,735 S6,471,376 S6,471,376 S6,471,376 S6,471,376 S6,471,376 S6,471,376 S6,471,376 S6,471,476 | 2049 2050 D D III 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 | tersection Delay | Concept D Concept D S0 S8,104,311 S0 S8,110,433 S0 S8,136,35 S0 S8,136,35 S0 S8,238,434 S0 S8,256,571 S0 S8,287,918 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Cor 50.974.819 \$11,042,140 \$11,095,491 \$11,135,651 \$11,136,561 \$11,178,791 \$11,163,531 \$11,184,269 \$11,178,791 \$11,163,531 \$11,160,012 \$11,064,859 \$11,016,405 \$10,960,348 \$10,9 | 3,333,917 3,424,600 sincept A 510,974,819 511,042,140 511,054,91 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,199,033 511,164,002 511,064,859 511,064,859 510,960,348 510,897,951 510,897,951 510,897,951 510,755,5114 510,675,507 | 2049 2050 Discc SCAL inter 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 | LED rsection Delay | ent Dollars Concept D SO | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 3,758,617 \$ 7,566,713 \$ 7,556,923 \$ 7,241,651 \$ 7,136,692 \$ 7,031,488 \$ 56,926,178 \$ 56,820,835 \$ 6,715,564 \$ 56,10,457 \$ 6,505,600 \$ 56,401,072 \$ 56,296,929 \$ 56,993,299 \$ \$ 6,993,2 | oncept B Conc \$1,715,992 \$\$ \$2,789,867 \$\$ \$1,1184,118 \$ \$8,745,330 \$ \$8,732,385 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,659,304 \$ \$8,572,475 \$ \$8,572,475 \$ \$8,572,395 \$ \$8,405,404 \$ \$8,341,220 \$ \$8,732,396 \$ \$8,201,916 \$ \$8,201,916 \$ \$8,201,916 \$ \$7,715,243 \$ \$7,715,243 \$ \$7,715,243 \$ \$7,715,243 \$ \$7,626,512 | ept A 11,184,118 8,745,330 88,723,085 88,693,04 88,618,580 88,521,352 88,405,552 88,405,404 88,521,352 88,407,404 88,312,348 88,312,348 88,341,220 88,273,296 88,273,296 88,273,296 87,7887,023 87,887,023 87,887,023 87,887,023 87,887,023 |
| 2049 2050 3.1% USDOT Futu Discounted 1 NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,231,845 \$10,125,26,456 \$10,123,645 \$10,126,545 \$9,907,750 \$9,907,750 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,9679,256 \$9,974,576 \$9,974 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,347,313 \$9,322,997 \$9,195,870 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,951,410 \$9,934,225 \$9,815,001 \$9,954,956 \$9,571,334 \$9,447,313 \$9,956,806 \$9,571,344 \$9,447,313 \$9,956,806 \$8,814,069 \$8,812,815 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | ALED /SB Arterial Delay No-Build | \$ 1,760,192 \$ 1,808,069 Concept D \$0 \$4,873,968 \$0 \$4,882,250 \$0 \$4,885,650 \$0 \$4,884,387 \$0 \$4,889,142 \$0 \$4,884,387 \$0 \$4,889,142 \$0 \$4,8818,122 \$0 \$4,888,560 \$0 \$4,888,560 \$0 \$4,888,560 \$0 \$4,888,560 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,769,18 \$0 \$4,557,612 \$0 \$4,557,612 \$0 \$4,515,574 \$0 \$4,515,574 \$0 \$4,515,576 \$0 \$4,515,576 \$0 \$4,515,576 \$0 \$4,515,576 \$0 \$4,411,943 \$0 \$4,412,943 \$0 \$4,412,943 \$0 \$4,412,943 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,089 \$ 2,748,089 \$ 2,748,098 \$ 2,74 | oncept B Cc 5,715,992 S 5,2789,867 S concept B Cc 5,673,890 S6,655,373 S6,678,874 S6,704,296 S6,706,848 S6,703,185 S6,693,679 S6,570,365 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,541,376 S6,446,624 S6,98,693 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 | 3,333,917 3,424,600 S6,623,890 S6,655,373 S6,679,975 S6,708,484 S6,703,185 S6,693,679 S6,678,684 S6,653,539 S6,653,539 S6,653,539 S6,653,578 S6,446,624 S6,378,684 S6,654,378 S6,446,624 S6,386,693 S6,447,817 S6,238,693 S6,347,817 S6,294,211 S6,238,099 | 2049 2050 D In | tersection Delay | Concept D Concept D SO \$8,048 311 SO \$8,110,433 SO \$8,163,425 SO \$8,284,545 SO \$8,284,949 SO \$8,284,949 SO \$8,284,691 SO \$8,284,691 SO \$8,284,671 SO \$8,284,674 SO \$8,284,675 SO \$8,284,675 SO \$8,284,676 SO \$8,284,677 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,248 \$ 2,041,24 | oncept B Cor 50.974.819 \$11,042,140 \$11,095,491 \$11,135,651 \$11,136,561 \$11,178,791 \$11,163,531 \$11,184,269 \$11,178,791 \$11,163,531 \$11,160,012 \$11,064,859 \$11,016,405 \$10,960,348 \$10,9 | 3,333,917 3,424,600 3,424,600 510,974,819 511,042,140 511,095,491 511,15651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 510,987,951 510,897,951 5 | 2049 2050 Disco SCAL Inter 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2044 2045 2046 2047 2048 | LED rsection Delay No-Build | ent Dollars Concept D Sourcept D Source | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ 3,855,480 \$ 2,7559,141 \$ 7,555,480 \$ 7,758,617 \$ 7,555,713 \$ 7,555,713 \$ 7,346,259 \$ 7,241,651 \$ 7,136,692 \$ 7,031,498 \$ 5,926,178 \$ 5,820,835 \$ 7,346,259 \$ 7,241,651 \$ 7,136,692 \$ 7,031,498 \$ 5,926,178 \$ 5,505,600 \$ 5,640,072 \$ 5,629,949 \$ 5,932,299 \$ 5,999,150 \$ 5,999,150 \$ \$ 5,999 | oncept B Conc \$1,184,118 \$8,745,330 \$8,723,085 \$8,694,271 \$8,694,271 \$8,693,045 \$8,618,580 \$8,572,475 \$8,572,475 \$8,572,375 \$8,405,404 \$8,341,220 \$8,405,404 \$8,341,220 \$8,273,796 \$8,201,916 \$8,273,796 \$8,273,796 \$8,273,796 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,805,612 \$7,755,6141 | 2,424,600 Lept A 11,184,118 58,745,330 58,723,385 58,639,271 58,659,271 58,659,271 58,659,274 58,572,475 58,572,475 58,572,475 58,572,475 58,572,475 58,271,326 58,273,296 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,422,313 \$10,333,834 \$10,126,648 \$10,018,526 \$9,907,750 \$9,979,4579 \$9,679,256 \$9,978,065 \$8,829,762 \$8,829,762 \$8,829,762 \$8,829,762 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,597,822 510,494,724 510,278,680 510,166,312 510,051,410 59,934,225 59,815,001 59,693,965 59,571,334 59,447,313 59,322,097 59,195,870 59,68,806 58,941,069 58,812,815 58,684,190 | Concept A \$10,969,916 \$10,969,916 \$10,883,627 \$10,792,610 \$10,699,227 \$10,792,610 \$10,699,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,847,313 \$9,427,43 \$9,427,43 \$9, | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ALED /SB Arterial Delay No-Build | \$ 1,760,192 \$ 1,808,069 **Tent Dollars **Concept D | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,089 \$ 2,748,089 \$ 2,748,098 \$ 2,74 | oncept B Cc 5,715,992 S 5,2789,867 S concept B Cc 5,673,890 S6,655,373 S6,678,874 S6,704,296 S6,706,848 S6,703,185 S6,693,679 S6,570,365 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,537,03,65 S6,541,376 S6,446,624 S6,98,693 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 S6,38,699 S6,347,817 S6,244,562 | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,703,185 S6,678,884 S6,703,185 S6,678,884 S6,678,884 S6,678,884 S6,678,884 S6,658,539 S6,633,568 S6,604,078 S6,570,365 S6,491,376 S6,494,817 S6,494,817 S6,294,216 | 2049 2050 D In | tersection Delay No-Build | Concept D Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,248 \$ 2,041,24 | oncept B Conscipling St. 10,074,819 S11,092,401 S11,092,401 S11,092,401 S11,135,651 S11,163,364 S11,178,791 S11,164,269 S11,178,791 S11,166,312 S11,166,012 S11,166,012 S11,066,0348 S10,089,981 S10,755,114 S10,697,951 S10,699,963 S10,755,114 S10,675,507 S10,509,963 S10,501,853 S10,085,526 | 3,333,917 3,424,600 3,424,600 510,974,819 511,042,140 511,095,491 511,15651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 510,987,951 510,897,951 5 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | LED rsection Delay No-Build | ent Dollars Concept D So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ 3,855,480 \$ 2,7559,141 \$ 7,555,480 \$ 7,758,617 \$ 7,555,713 \$ 7,555,713 \$ 7,346,259 \$ 7,241,651 \$ 7,136,692 \$ 7,031,498 \$ 5,926,178 \$ 5,820,835 \$ 7,346,259 \$ 7,241,651 \$ 7,136,692 \$ 7,031,498 \$ 5,926,178 \$ 5,505,600 \$ 5,640,072 \$ 5,629,949 \$ 5,932,299 \$ 5,999,150 \$ 5,999,150 \$ \$ 5,999 | oncept B Conc \$1,184,118 \$8,745,330 \$8,723,085 \$8,694,271 \$8,694,271 \$8,693,045 \$8,618,580 \$8,572,475 \$8,572,475 \$8,572,375 \$8,405,404 \$8,341,220 \$8,405,404 \$8,341,220 \$8,273,796 \$8,201,916 \$8,273,796 \$8,273,796 \$8,273,796 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,887,023 \$7,805,612 \$7,755,6141 | ept A 11,184,118 8,745,330 58,745,330 58,723,085 58,693,04 58,613,580 58,521,352 58,405,040 58,521,352 58,405,040 58,213,252 58,213,296 58,213, |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,422,313 \$10,333,834 \$10,126,648 \$10,018,526 \$9,907,750 \$9,979,4579 \$9,679,256 \$9,978,065 \$8,829,762 \$8,829,762 \$8,829,762 \$8,829,762 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 \$8,879,024 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,597,822 510,494,724 510,278,680 510,166,312 510,051,410 59,934,225 59,815,001 59,693,965 59,571,334 59,447,313 59,322,097 59,195,870 59,68,806 58,941,069 58,812,815 58,684,190 | Concept A \$10,969,916 \$10,969,916 \$10,883,627 \$10,792,610 \$10,699,227 \$10,792,610 \$10,699,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,934,225 \$9,815,001 \$9,847,313 \$9,427,43 \$9,427,43 \$9, | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ALED /SB Arterial Delay No-Build | \$ 1,760,192 \$ 1,808,069 concept D \$0 \$4,873,568 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,884,387 \$0 \$4,884,387 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,627 \$0 \$4,885,650 \$0 \$4,786,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,597,917 \$0 \$4,597,917 \$0 \$4,597,917 \$0 \$4,597,917 \$0 \$4,515,574 \$0 \$4,471,943 \$0 \$4,471 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | 5. 2,715,992 S 2,789,867 S 2,789,867 S 2,789,867 S 2,789,867 S 2,789,867 S 2,789,867 S 2,789,867,878,978 S 2,768,848 S 2,703,185 S 2,693,679 S 2,678,684 S 2,703,858 S 2,604,078 S 2,798,879 S 2,798,879 S 2,798,879 S 2,798,879 S 3,798,879 S 3,798 S | 3,333,917 3,424,600 56,655,373 56,678,975 56,678,975 56,704,296 56,708,48 56,703,185 56,693,679 56,678,684 56,503,3568 56,604,078 56,570,365 56,570,365 56,570,365 56,570,365 56,570,365 56,570,365 56,570,365 56,446,624 56,598,693 56,347,817 56,248,693 56,347,817 56,248,693 56,347,817 56,248,693 56,347,817 56,279,666 5130,911,930 | 2049 2050 D In | tersection Delay No-Build | Concept D Concept D S0 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,248 \$ 2,041,24 | oncept B Conscipling St. 10,074,819 S11,092,401 S11,092,401 S11,092,401 S11,135,651 S11,163,364 S11,178,791 S11,164,269 S11,178,791 S11,166,312 S11,166,012 S11,166,012 S11,066,0348 S10,089,981 S10,755,114 S10,697,951 S10,699,963 S10,755,114 S10,675,507 S10,509,963 S10,501,853 S10,085,526 | 3,333,917 3,424,600 3,424,600 510,974,819 511,042,140 511,095,491 511,15651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 510,987,951 510,897,951 5 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | LED rsection Delay No-Build | s 1,760,192 \$ 1,808,069 Concept D So \$8,006,238 \$0 \$6,230,388 \$0 \$6,230,388 \$0 \$6,138,495 \$0 \$6,039,818 \$0 \$6,039,818 \$0 \$6,138,495 \$0 \$6,018,599 \$0 \$5,967,389 \$0 \$5,967,389 \$0 \$5,861,347,510 \$0 \$5,861,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,347 \$0 \$5,863,419 \$0 \$5,574,645 \$0 \$ | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,089 \$ \$ \$ \$ 2,748,089 \$ \$ \$ \$ 3,057,428 \$ \$ 3,057,428 \$ 5,755,420 \$ 5,755,667,13 \$ 5,755,923 \$ 5,741,651 \$ 5,136,692 \$ 5,741,651 \$ 5,136,692 \$ 5,741,651 \$ 5,136,692 \$ 5,741,651 \$ 5,136,692 \$ 5,956,949 \$ 5,132,299 \$ 5,949,949 \$ 5,132,299 \$ 5,999,99 \$ 5,99 | oncept B Conc \$1,184,118 | ept A 11,184,118 58,745,330 58,723,085 58,694,271 58,659,304 58,618,520 58,522,455 58,522,455 58,455,522 58,405,604 58,213,326 58,213,326 58,201,916 58,127,348 58,009,804 57,887,023 57,802,146 57,887,023 57,802,146 57,887,023 57,626,512 57,526,512 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,666 \$10,432,313 \$10,333,834 \$10,231,845 \$10,213,845 \$10,213,845 \$10,213,845 \$10,126,648 \$10,135,266 \$9,907,750 \$9,794,579 \$9,679,256 \$9,927,636 \$9,927,636 \$9,927,636 \$9,927,636 \$9,927,636 \$9,927,636 \$1,927,636 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,792,610 510,697,227 510,794,724 510,388,244 510,278,680 510,166,312 510,051,410 59,934,225 59,815,001 59,693,965 59,571,334 59,447,313 59,322,097 59,195,870 59,068,806 58,812,815 58,684,190 \$196,837,341 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,934,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,420,939,965 \$9,571,334 \$9,688,968,968,968,968,968,968,968,968,96 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ALED /SB Arterial Delay No-Build | \$ 1,760,192 \$ 1,808,069 rent Dollars Concept D \$0 \$4,882,520 \$0 \$4,885,627 \$0 \$4,884,387 \$0 \$4,873,805 \$0 \$4,885,627 \$0 \$4,884,387 \$0 \$4,873,805 \$0 \$4,889,142 \$0 \$4,788,913 \$0 \$4,788,913 \$0 \$4,788,913 \$0 \$4,788,913 \$0 \$4,788,794,531 \$0 \$4,788,794 \$0 \$4,783,794 \$0 \$4,783,794 \$0 \$4,783,794 \$0 \$4,785,7812 \$0 \$4,578,917 \$0 \$4,577,617 \$0 \$4,577,617 \$0 \$4,577,617 \$0 \$4,577,617 \$0 \$4,577,612 \$0 \$4,471,943 \$0 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | Concept B Cc 5, 27,15,992 S 2,789,867 S Concept B Cc 5, 23,890 5,653,373 56,678,975 56,695,141 56,704,296 56,704,296 56,704,296 56,703,185 56,693,679 56,678,684 56,653,358 56,604,078 56,570,365 56,532,708 56,491,376 56,446,624 66,398,693 56,347,817 56,294,216 56,238,099 56,179,666 \$130,911,930 | 3,333,917 3,424,600 56,653,273 56,678,975 56,695,141 56,704,296 56,705,848 56,703,185 56,678,684 56,678,684 56,673,318 56,673,58 56,673,58 56,673,58 56,673,58 56,53,33 56,53,33 56,53,33 56,53,33 56,53,33 56,53,20 56,53, | 2049 2050 D In | No-Build No- | \$ 1,760,192 \$ 1,808,069 Concept D S0 \$8,046,311 S0 \$8,110,432 S0 \$8,126,432 S0 \$8,28,76,918 S0 \$8,28,76,918 S0 \$8,28,76,918 S0 \$8,28,057 S0 \$8,084,135 S0 \$8,084, | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,216 \$ \$ 2,058,210,210,210,210,210,210,210,210,210,210 | oncept B Conscipt B S10,974,819 S10,974,819 S11,042,140 S11,075,491 S11,135,651 S11,163,364 S11,178,791 S11,178,791 S11,163,531 S11,178,791 S11,163,531 S11,166,012 S11,166,012 S10,969,348 S10,959,951 S10,061,520 S10,959,953 S10,061,520 S219,088,333 | 3,333,917 3,424,600 310,974,819 \$11,042,140 \$11,042,140 \$11,135,651 \$11,163,364 \$11,179,343 \$11,184,269 \$11,178,791 \$11,184,269 \$11,178,791 \$11,163,531 \$11,190,083 \$11,106,012 \$11,106,4859 \$11,016,140 \$10,960,348 \$10,987,951 \$10,960,348 \$10,967,507 \$10,509,963 \$10,501,883 \$10,408,526 \$219,088,333 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | LED rsection Delay No-Build AL Congestion | ent Dollars Concept D S0 88,006,258 S0 56,253,379 S0 56,263,379 S0 56,263,379 S0 56,263,379 S0 56,003,003 S0 56,003,003 S0 55,663,913 S0 55,865,371 S0 55,810,350 S0 55,865,371 S0 55,810,350 S0 55,810,30 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | oncept B Conc \$1,2715,992 \$ 1.5 \$2,789,867 \$ 5.5 \$1,184,118 \$ 5.745,330 \$ 5.75,475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 6.75,2475 \$ 7.762,6512 \$ 7.762,6 | ept A 11,184,118 88,745,330 88,723,385 88,634,271 88,659,304 88,618,521,352 88,521,352 88,455,522 88,465,552 88,405,404 88,213,296 88,201,916 88,217,348 88,201,916 88,217,348 88,049,850 87,768,762 88,217,146 88,019,161 88,117,146 8 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 \$ 1,808,069 \$ 1,808,069 \$ 1,808,069 \$ 1,808,1184 \$ 1,879,599 \$ 1,862,788 \$ 1,856,928 \$ 1,856,928 \$ 1,856,928 \$ 1,856,928 \$ 1,856,928 \$ 1,856,928 \$ 1,977,416 \$ 1,778,444 \$ 1,762,481 \$ 1,750,1675 \$ 1,738,4124 \$ 1,7029,892 \$ 1,913,226 \$ | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,135,26 \$9,907,750 \$9,792,56 \$9,907,750 \$9,792,56 \$9,907,92,56 \$1,907,92,56 \$1 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,597,822 510,440,724 510,288,244 510,278,680 510,166,312 510,651,1410 59,693,965 59,571,334 59,447,313 59,322,097 59,195,870 5 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,997,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,668,806 \$8,911,915 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ALED /SB Arterial Delay No-Build | \$ 1,760,192 \$ 1,808,069 Concept D \$0 \$4,873,968 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,883,627 \$0 \$4,884,387 \$0 \$4,883,657 \$0 \$4,884,387 \$0 \$4,855,650 \$0 \$4,881,122 \$0 \$4,768,003 \$0 \$4,577,512 \$0 \$4,577,512 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,480,433 \$0 \$94,180,444 \$ 15,934,993 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | Concept B Co 5, 2,715,992 S 5, 2,789,867 S Concept B Co 5, 2,768,975 S 5,6678,975 S 5,6704,296 S 5,704,296 S 5,570,365 S 5,570,365 S 5,570,365 S 5,570,365 S 5,570,365 S 5,544,6,624 S 5,398,693 S 5,447,817 S 5,244,216 S 5,242,216 S 5,243,099 S 5,179,666 S 130,911,930 S 24,586,915 S | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,708,488 S6,703,185 S6,693,679 S6,678,884 S6,658,539 S6,633,568 S6,570,365 S6,570,566 S6,570,566 S6,570,566 S130,911,930 | 2049 2050 D In | No-Build | \$ 1,760,192 \$ 1,808,069 Concept D S0 \$8,046,311 S0 \$8,104,33 S0 \$8,163,435 S0 \$8,261,937 S0 \$8,261,937 S0 \$8,261,937 S0 \$8,270,918 S0 \$8,281,909 S0 \$8,284,909 S0 \$8,284,671 S0 \$8,232,42 S0 \$8,284,671 S0 \$8,232,42 S0 \$8,284,671 S0 \$8,284,6 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,041,216 \$ 2,050,272 \$ 2,0546,337 \$ 2,0566,372 \$ 2,0661,3704 \$ 2,0588,500 \$ 2,0562,299 \$ 2,0528,022 \$ 2,0486,412 \$ 2,0437,710 \$ 2,0382,457 \$ 2,0321,990 \$ 2,0564,0264,026 \$ 2,0564,026 \$ 2,0564,026 \$ 2,0564,026 \$ 2,0564,026 \$ 2, | oncept B Conscipling Conscipli | 3,333,917 3,424,600 310,974,819 \$11,042,140 \$11,042,140 \$11,195,491 \$11,135,651 \$11,135,651 \$11,139,343 \$11,184,269 \$11,179,343 \$11,184,269 \$11,178,791 \$11,163,531 \$11,139,083 \$11,106,012 \$11,160,012 \$11,06,012 \$11,06,012 \$10,829,398 \$10,075,517 \$10,829,398 \$10,755,517 \$10,509,963 \$10,675,507 \$10,509,963 \$10,675,507 \$10,509,963 \$10,408,526 \$219,088,333 \$30,180,773 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | LED rsection Delay No-Build | ent Dollars Concept D So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,099 \$ \$ \$ 2,748,099 \$ \$ \$ 2,759,141 \$ 2,759,142 | oncept B Conc \$1,184,118 | ept A 11.184 118 11.184 118 11.184 118 11.184 118 11.184 118 11.184 118 11.184 118 11.185 118 11.184 118 11.18 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,126,648 \$10,126,648 \$10,126,648 \$10,18,526 \$9,907,750 \$9,794,579 \$9,679,256 \$9,920,78,065 \$9,322,06,943 \$9,322,06,94 \$9,78,065 \$8,859,296 \$8,829,762 \$8,704,622 \$8,7 | Concept B 510,969,916 510,883,627 510,792,610 510,697,227 510,792,620 510,697,227 510,797,822 510,494,724 510,388,244 510,278,680 510,166,312 510,051,410 59,931,225 59,815,001 59,693,965 59,571,343 59,322,097 59,195,870 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,997,822 \$10,994,724 \$10,388,244 \$10,778,680 \$10,166,312 \$10,051,410 \$9,934,925 \$9,815,001 \$9,639,965 \$9,571,334 \$9,472,333 \$9,322,097 \$9,968,806 \$9,941,069 \$9,941,069 \$9,941,069 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | TAL Congestion Safety Total Bene | \$ 1,760,192 \$ 1,808,069 \$ 1,808,069 \$ 1,808,069 \$ 1,808,069 \$ 1,808,069 \$ 2,873,968 \$ 3,873,968 \$ 3,885,627 \$ 3,884,387 \$ 3,889,142 \$ 3,889,142 \$ 3,478,803 \$ 3,489,142 \$ 3,478,803 \$ 3,478,503 \$ 3,478,503 \$ 3,478,303 \$ 3,47 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | oncept B Cc 52,715,992 S 52,789,867 S 62,789,867 S 60,703,850 S 6,678,975 S 6,695,141 S 6,704,296 S 6,703,185 S 6,693,679 S 6,678,684 S 6,604,078 S 6,570,365 S 6,633,568 S 6,604,078 S 6,570,365 S 6,632,708 S 6,634,78,17 S 6,244,162 S 6,398,693 S 6,347,817 S 6,244,162 S 6,398,693 S 6,347,817 S 6,244,162 S 6,338,693 S 6,347,817 S 6,244,162 S 6,338,693 S 6,347,817 S 6,242,16 S 6,338,693 S 6,347,817 S 6,244,624 S 6,338,693 S 6,347,817 S 6,244,624 S 6,338,693 S 6,347,817 S 6,348,693 S 6,348,69 | 3,333,917 3,424,600 S6,655,3273 S6,678,975 S6,695,141 S6,704,296 S6,708,848 S6,703,185 S6,678,834 S6,678,834 S6,673,318 S6,679,884 S6,673,318 S6,679,884 S6,673,185 S6,491,376 S6,491,376 S6,494,624 S6,593,99 S6,179,666 S130,911,930 30,180,773 S161,092,703 | 2049 2050 D In | No-Build No-Build Congestion Safety Total Benefit | Concept D Concept D S0 S8,046,311 S0 S8,110,433 S0 S8,136,343 S0 S8,136,343 S0 S8,136,343 S0 S8,256,671 S0 S8,275,918 S0 S8,275,918 S0 S8,28,256,671 S0 S8,238,057 S0 S8,248,057 S0 S8,084,135 S0 S8,084,1 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ 2,748,08 | oncept B Consider States of States o | 3,333,917 3,424,600 31,424,600 510,974,819 511,042,140 511,054,91 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,190,83 511,164,40 510,960,348 510,960,348 510,950,348 510,950,358 510,615,507 510,675,507 510,509,963 510,408,526 \$219,088,333 30,180,773 \$249,269,107 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | AL Congestion Safety Total Bene | ent Dollars Concept D Society Services Service | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,099,48 \$ \$ 3,759,141 \$ 3,859,480 \$ 3,758,617 \$ 3,756,613 \$ 3,7553,923 \$ 3,746,259 \$ 3,741,651 \$ 3,736,692 \$ 3,741,651 | oncept B Conc \$1,184,118 \$8,745,330 \$8,745,330 \$8,723,085 \$8,694,271 \$8,699,204 \$8,572,475 \$8,572,475 \$8,572,475 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,612 \$8,273,296 \$8, | ept A 11,184,118 8,745,330 88,745,330 88,745,330 88,723,385 88,693,247 88,659,304 88,618,521,352 88,465,522 88,465,522 88,465,522 88,465,522 88,465,522 88,201,916 88,217,348 88,041,220 88,271,326 88 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Dollars Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,135,26 \$9,907,750 \$9,792,56 \$9,907,750 \$9,792,56 \$9,579,256 \$9,907,50 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,024 \$9,078,065 \$8,829,762 \$8,82 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,195,870 \$8,12,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,997,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,668,806 \$8,912,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$275,000,000 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | TAL Congestion Safety Total Bene Low Cost | \$ 1,760,192 \$ 1,808,069 Concept D \$0 \$4,873,968 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,883,627 \$0 \$4,883,627 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,879,517 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,576,812 \$0 \$4,576,812 \$0 \$4,577,812 \$0 \$4,577,812 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,480,433 \$0 \$94,180,144 \$15,934,393 \$140,114,536 \$8,000,000 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,098 \$ 2,74 | 5. 2,715,992 S 5. 2,789,867 S 6. 2,789,867 S 6. 2,789,867 S 6. 6,78,975 S 6,695,141 S 6,704,296 S 6,704,296 S 6,704,296 S 6,703,185 S 6,693,679 S 6,678,844 S 6,603,789 S 6,633,568 S 6,633,568 S 6,634,376 S 6,570,365 S 6,532,708 S 6,649,1376 S 6,446,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,348,691 S 6,3 | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,703,185 S6,693,679 S6,678,884 S6,673,185 S6,693,579 S6,673,884 S6,658,539 S6,631,568 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,347,817 S6,294,216 S6 | 2049 2050 D In | No-Build No-Build Congestion Safety Total Benefi | Concept D Concept D S0, 88,046,311 S0, 88,163,435 S0, 88,163,435 S0, 88,261,937 S0, 88,276,918 S0, 88,276 S0, 88,2 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,088,272 \$ 2, | oncept B Consider B Co | 3,333,917 3,424,600 310,974,819 511,042,140 511,042,140 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 511,06,012 511,06,012 510,897,951 510,829,398 510,075,507 510,509,963 510,509,963 510,509,963 510,408,526 5219,088,333 30,180,773 5249,269,107 275,000,000 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | AL Congestion Safety Total Bene Low Cost | ent Dollars Concept D So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,099 \$ \$ \$ 6,959,480 \$ 5,758,617 \$ 6,553,923 \$ 6,758,617 \$ 6,553,923 \$ 6,745,651 \$ 6,736,651 \$ 6,610,457 \$ 6,505,600 \$ 6,600,072 \$ 6,296,949 \$ 6,193,299 \$ 6,990,190 \$ 141,611,939 \$ | oncept B Conc \$1,184,118 | sept A 11.184 118 11.1 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay | \$ 1,760,192 \$ 1,808,069 Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,135,26 \$9,907,750 \$9,792,56 \$9,907,750 \$9,792,56 \$9,579,256 \$9,907,50 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,024 \$9,078,065 \$8,829,762 \$8,82 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,195,870 \$8,12,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,997,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,668,806 \$8,912,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$275,000,000 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | TAL Congestion Safety Total Bene | \$ 1,760,192 \$ 1,808,069 Concept D \$0 \$4,873,968 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,883,627 \$0 \$4,883,627 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,879,517 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,575,612 \$0 \$4,577,612 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,480,433 \$0 \$94,180,144 \$15,934,393 \$140,114,536 \$85,000,000 | \$ 2,675,319 \$ 2,748,088 \$ 2,74 | 5. 2,715,992 S 5. 2,789,867 S 6. 2,789,867 S 6. 2,789,867 S 6. 6,78,975 S 6,695,141 S 6,704,296 S 6,704,296 S 6,704,296 S 6,703,185 S 6,693,679 S 6,678,844 S 6,603,789 S 6,633,568 S 6,633,568 S 6,634,376 S 6,570,365 S 6,532,708 S 6,649,1376 S 6,446,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,348,691 S 6,3 | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,703,185 S6,693,679 S6,678,884 S6,673,185 S6,693,579 S6,673,884 S6,658,539 S6,631,568 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,347,817 S6,294,216 S6 | 2049 2050 D In | No-Build No-Build Congestion Safety Total Benefit | Concept D Concept D S0, 88,046,311 S0, 88,163,435 S0, 88,163,435 S0, 88,261,937 S0, 88,276,918 S0, 88,276 S0, 88,2 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ 2,044,1216 \$ 2,05,272 \$ 2,05,46,337 \$ 2,05,80,138 \$ 2,066,174 \$ 2,05,46,299 \$ 2,05,46,269 \$ 2,05,46, | oncept B Consider B Co | 3,333,917 3,424,600 310,974,819 511,042,140 511,042,140 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 511,06,012 511,06,012 510,897,951 510,829,398 510,075,507 510,509,963 510,509,963 510,509,963 510,408,526 5219,088,333 30,180,773 5249,269,107 275,000,000 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | AL Congestion Safety Total Bene | ent Dollars Concept D So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,099 \$ \$ \$ 6,959,480 \$ 5,758,617 \$ 6,553,923 \$ 6,758,617 \$ 6,553,923 \$ 6,745,651 \$ 6,736,651 \$ 6,610,457 \$ 6,505,600 \$ 6,600,072 \$ 6,296,949 \$ 6,193,299 \$ 6,990,190 \$ 141,611,939 \$ | oncept B Conc \$1,184,118 \$8,745,330 \$8,745,330 \$8,723,085 \$8,694,271 \$8,699,204 \$8,572,475 \$8,572,475 \$8,572,475 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,552 \$8,465,612 \$8,273,296 \$8, | sept A 11.184 118 11.1 |
| 2049 2050 3.1% USDOT Futu Discounted in NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 2050 | Values to Current I rial Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 1,760,192 \$ 1,808,069 Dollars Concept D | \$ 2,675,319 \$ 2,748,088 Concept C \$10,703,455 \$10,617,463 \$10,526,966 \$10,432,313 \$10,333,834 \$10,231,845 \$10,126,648 \$10,135,26 \$9,907,750 \$9,792,56 \$9,907,750 \$9,792,56 \$9,579,256 \$9,907,50 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,256 \$9,579,024 \$9,078,065 \$8,829,762 \$8,82 | \$ 2,715,992 \$ 2,789,867 Concept B \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,597,822 \$10,494,724 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,195,870 \$8,12,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 | \$ 3,333,917 \$ 3,424,600 Concept A \$10,969,916 \$10,883,627 \$10,792,610 \$10,697,227 \$10,997,822 \$10,494,724 \$10,388,244 \$10,278,680 \$10,166,312 \$10,051,410 \$9,934,225 \$9,815,001 \$9,693,965 \$9,571,334 \$9,447,313 \$9,322,097 \$9,195,870 \$9,668,806 \$8,912,815 \$8,684,190 \$196,837,341 \$196,837,341 \$196,837,341 \$196,837,341 \$275,000,000 | SCA NB/ 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | TAL Congestion Safety Total Bene Low Cost | \$ 1,760,192 \$ 1,808,069 Concept D \$0 \$4,873,968 \$0 \$4,882,250 \$0 \$4,884,387 \$0 \$4,883,627 \$0 \$4,883,627 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,883,657 \$0 \$4,879,517 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,768,003 \$0 \$4,575,612 \$0 \$4,577,612 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,471,943 \$0 \$4,480,433 \$0 \$94,180,144 \$15,934,393 \$140,114,536 \$85,000,000 | \$ 2,675,319 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,088 \$ 2,748,098 \$ 2,74 | 5. 2,715,992 S 5. 2,789,867 S 6. 2,789,867 S 6. 2,789,867 S 6. 6,78,975 S 6,695,141 S 6,704,296 S 6,704,296 S 6,704,296 S 6,703,185 S 6,693,679 S 6,678,844 S 6,603,789 S 6,633,568 S 6,633,568 S 6,634,376 S 6,570,365 S 6,532,708 S 6,649,1376 S 6,446,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,244,624 S 6,398,693 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,241,930 S 6,347,817 S 6,348,691 S 6,3 | 3,333,917 3,424,600 S6,655,373 S6,678,975 S6,695,141 S6,704,296 S6,703,185 S6,693,679 S6,678,884 S6,673,185 S6,693,579 S6,673,884 S6,658,539 S6,631,568 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,570,365 S6,347,817 S6,294,216 S6 | 2049 2050 D In | No-Build No-Build Congestion Safety Total Benefi | Concept D Concept D S0, 88,046,311 S0, 88,163,435 S0, 88,163,435 S0, 88,261,937 S0, 88,276,918 S0, 88,276 S0, 88,2 | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ 2,088,272 \$ 2, | oncept B Consider B Co | 3,333,917 3,424,600 310,974,819 511,042,140 511,042,140 511,135,651 511,163,364 511,179,343 511,184,269 511,178,791 511,163,531 511,139,083 511,106,012 511,06,012 511,06,012 511,06,012 510,897,951 510,829,398 510,075,507 510,509,963 510,509,963 510,509,963 510,408,526 5219,088,333 30,180,773 5249,269,107 275,000,000 | 2049 2050 Disco SCAL Inter 2030 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | AL Congestion Safety Total Bene Low Cost | ent Dollars Concept D So | \$ 2,675,319 \$ \$ 2,748,088 \$ \$ 2,748,088 \$ \$ \$ 2,748,088 \$ \$ \$ \$ 2,748,088 \$ \$ \$ 2,748,089 \$ \$ \$ 2,748,099 \$ \$ \$ 6,959,480 \$ 5,758,617 \$ 6,553,923 \$ 6,758,617 \$ 6,553,923 \$ 6,745,651 \$ 6,736,651 \$ 6,610,457 \$ 6,505,600 \$ 6,600,072 \$ 6,296,949 \$ 6,193,299 \$ 6,990,190 \$ 141,611,939 \$ | oncept B Conc \$1,1,184,118 | sept A 11.184 118 11.1 |

5% daily truck percentage - US 23 4% daily truck percentage - intersections (all vehicles)

\$20.41 weighted average value of time - US 23 \$20.25 weighted average value of time - intersections/all vehicles

% daily truck percentage - intersections (all vehicles) \$20.25 weighted average

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|---|--|---|---|--|---|--|---|---|--|--|---|-------|---|---|--|--|--|--|--|---|---|--|---|---|
| NB/SB Art | terial Delay No-Build | Concept D | Concept C | Concept B | Concept A | NB/SB Arte | erial Delay No-Build | Concept D | Concept C (| Concept B | Concept A | Inter | rsection Delay | No-Build | Concept D C | Concept C C | Concept B C | Concept A | Intersectio | n Delay No-Build | Concept D | Concept C (| Concept B Co | Concept A |
| 2030 \$49,56 | | \$41,025,665 | \$33,825,924 | \$49,562,721 | \$49,562,721 | 2030 \$29,283,33 | | 0 \$22,515,550 | \$20,113,238 | \$29,283,333 | \$29,283,333 | | 2030 \$63,758,730 | \$0 | \$47,740,845 | \$48,909,190 | \$63,758,730 | \$63,758,730 | 2030 | \$44,414,102 | \$0 \$31,311,89 | | \$44,414,102 | \$44,414,102 |
| 2031 \$52,114 2032 \$54,669 | | | \$36,772,329 \$39,718,734 | \$52,114,330 \$54,665,939 | \$52,114,330 \$54,665,939 | 2031 \$30,246,11 2032 \$31,208,89 | | , ., ., ., ., ., ., ., ., ., ., ., ., | \$21,201,875 \$22,290,512 | \$30,246,114 \$31,208,895 | \$30,246,114 \$31,208,895 | | 2031 \$66,570,763 2032 \$69,382,796 | \$0 \$0 | \$49,689,427 \$51,638,008 | \$52,093,040 \$55,276,889 | \$66,570,763 \$69,382,796 | \$66,570,763 \$69,382,796 | 2031 2032 | \$46,232,135 | \$0 \$31,981,83 \$0 \$32,651,76 | | \$45,353,119 \$46,292,135 | \$45,353,119 \$46,292,135 |
| 2033 \$57,217 | 7,548 \$ | | \$42,665,138 | \$57,217,548 | \$57,217,548 | 2033 \$32,171,67 | 76 \$ | | \$23,379,149 | \$32,171,676 | \$32,171,676 | | 2033 \$72,194,829 | \$0 | \$53,586,590 | \$58,460,738 | \$72,194,829 | \$72,194,829 | 2033 | \$47,231,151 | \$0 \$33,321,69 | | \$47,231,151 | \$47,231,151 |
| 2034 \$59,769 2035 \$62,320 | | | \$45,611,543 \$48,557,948 | \$59,769,157 \$62.320.765 | \$59,769,157 \$62,320,765 | 2034 \$33,134,45 2035 \$34,097,23 | | | \$24,467,785 \$25,556,422 | \$33,134,458 \$34,097,239 | \$33,134,458 \$34,097,239 | | 2034 \$75,006,863 2035 \$77.818.896 | \$0 \$0 | \$55,535,171 \$57,483,753 | \$61,644,587 \$64,828,437 | \$75,006,863 \$77,818,896 | \$75,006,863 \$77.818.896 | 2034 2035 | \$48,170,167 \$49,109,184 | \$0 \$33,991,63 \$0 \$34,661,56 | | \$48,170,167 \$49,109,184 | \$48,170,167 \$49,109,184 |
| 2036 \$64,873 | -, | \$53,035,021 | \$51,504,353 | \$64,872,374 | \$64,872,374 | 2036 \$35,060,02 | , | 0 \$26,141,098 | \$26,645,059 | \$35,060,020 | \$35,060,020 | | 2036 \$80,630,929 | \$0 | \$59,432,335 | \$68,012,286 | \$80,630,929 | \$80,630,929 | 2036 | \$50,048,200 | \$0 \$35,331,49 | 7 \$39,133,071 | \$50,048,200 | \$50,048,200 |
| 2037 \$67,423 2038 \$69,975 | 3,983 \$ 5,592 \$ | , | \$54,450,757 \$57,397,162 | \$67,423,983 \$69,975,592 | \$67,423,983 \$69,975,592 | 2037 \$36,022,80 2038 \$36,985,58 | 01 \$ 82 \$ | , ., ., ., ., ., ., ., ., ., ., ., ., | \$27,733,696 \$28,822,332 | \$36,022,801 \$36,985,582 | \$36,022,801 \$36,985,582 | | 2037 \$83,442,962 2038 \$86,254,996 | \$0 \$0 | \$61,380,916 \$63,329,498 | \$71,196,135 \$74,379,984 | \$83,442,962 \$86,254,996 | \$83,442,962 \$86,254,996 | 2037 2038 | \$50,987,216 \$51,926,233 | \$0 \$36,001,43 \$0 \$36,671,36 | | \$50,987,216 \$51,926,233 | \$50,987,216 \$51,926,233 |
| 2039 \$72,523 | | , | \$60,343,567 | \$72,527,201 | \$72,527,201 | 2039 \$37,948,36 | , | | \$29,910,969 | \$37,948,363 | \$37,948,363 | | 2039 \$89,067,029 | \$0 | \$65,278,079 | \$77,563,834 | \$89,067,029 | \$89,067,029 | 2039 | | \$0 \$37,341,25 | | \$52,865,249 | \$52,865,249 |
| 2040 \$75,078 2041 \$77,630 | -, | | \$63,289,972 \$66,236,376 | \$75,078,810 \$77,630,419 | \$75,078,810 \$77,630,419 | 2040 \$38,911,14 2041 \$39,873,91 | 44 \$ | | \$30,999,606 \$32,088,243 | \$38,911,144 \$39,873,925 | \$38,911,144 \$39,873,925 | | 2040 \$91,879,062 2041 \$94,691,095 | \$0 \$0 | \$67,226,661 \$69,175,243 | \$80,747,683 \$83,931,532 | \$91,879,062 \$94,691,095 | \$91,879,062 \$94,691,095 | 2040 2041 | | \$0 \$38,011,23 \$0 \$38,681,16 | | \$53,804,265 \$54,743,281 | \$53,804,265 \$54,743,281 |
| 2041 577,638 | | | \$69,182,781 | \$80,182,027 | \$80,182,027 | 2041 \$35,875,97 | | | \$32,000,243 | \$40,836,706 | \$40,836,706 | | 2042 \$97,503,129 | \$0 | \$71,123,824 | \$87,115,381 | \$97,503,129 | \$97,503,129 | 2041 | | \$0 \$39,351,10 | | \$55,682,298 | \$55,682,298 |
| 2043 \$82,733 2044 \$85,283 | | | \$72,129,186 | \$82,733,636 | \$82,733,636 | 2043 \$41,799,48 2044 \$42,762,76 | | | \$34,265,516 | \$41,799,487 | \$41,799,487 | | 2043 \$100,315,162 | \$0 | \$73,072,406 | \$90,299,231 | \$100,315,162 | \$100,315,162 | 2043 | | \$0 \$40,021,03 | | \$56,621,314 | \$56,621,314 |
| 2044 \$85,285 2045 \$87,836 | | | \$75,075,590 \$78,021,995 | \$85,285,245 \$87,836,854 | \$85,285,245 \$87,836,854 | 2044 \$42,762,26 2045 \$43,725,04 | | | \$35,354,153 \$36,442,790 | \$42,762,268 \$43,725,049 | \$42,762,268 \$43,725,049 | | 2044 \$103,127,195 2045 \$105,939,228 | \$0 | \$75,020,987 \$76,969,569 | \$93,483,080 \$96,666,929 | \$103,127,195 \$105,939,228 | \$103,127,195 \$105,939,228 | 2044 2045 | | \$0 \$40,690,96 \$0 \$41,360,90 | . , , | \$57,560,330 \$58,499,346 | \$57,560,330 \$58,499,346 |
| 2046 \$90,38 | | , | \$80,968,400 | \$90,388,463 | \$90,388,463 | 2046 \$44,687,83 | | | \$37,531,427 | \$44,687,830 | \$44,687,830 | | 2046 \$108,751,262 | \$0 | \$78,918,151 | \$99,850,779 | | \$108,751,262 | 2046 | | \$0 \$42,030,83 | | \$59,438,363 | \$59,438,363 |
| 2047 \$92,940 2048 \$95,49: | | | \$83,914,805 \$86.861.209 | \$92,940,072 \$95.491.681 | \$92,940,072 \$95,491,681 | 2047 \$45,650,61 2048 \$46,613,39 | | | \$38,620,063 \$39,708,700 | \$45,650,611 \$46.613.392 | \$45,650,611 \$46.613.392 | | 2047 \$111,563,295 2048 \$114,375,328 | \$0 \$0 | \$80,866,732 \$82.815.314 | \$103,034,628 \$106,218,477 | \$111,563,295 \$114.375.328 | \$111,563,295 \$114,375,328 | 2047 2048 | | \$0 \$42,700,77 \$0 \$43,370,70 | | \$60,377,379 \$61,316,395 | \$60,377,379 \$61.316.395 |
| 2049 \$98,043 | | | \$89,807,614 | \$98,043,289 | \$98,043,289 | 2049 \$47,576,17 | | | \$40,797,337 | \$47,576,173 | \$47,576,173 | | 2049 \$117,187,361 | \$0 | \$84,763,896 | | \$117,187,361 | \$117,187,361 | 2049 | | \$0 \$44,040,6 | | \$62,255,412 | \$62,255,412 |
| 2050 \$100,594 | 4,898 \$ | \$81,056,850 | \$92,754,019 | \$100,594,898 | \$100,594,898 | 2050 \$48,538,95 | 54 \$ | 0 \$34,600,710 | \$41,885,974 | \$48,538,954 | \$48,538,954 | | 2050 \$119,999,395 | \$0 | \$86,712,477 | \$112,586,176 | \$119,999,395 | \$119,999,395 | 2050 | \$63,194,428 | \$0 \$44,710,5 | 2 \$53,016,336 | \$63,194,428 | \$63,194,428 |
| ECAT Safe | ety | | | | | ECAT Safet | у | | | | | | ECAT Safety | | | | | | | ECAT Safety | | | | |
| 2031 | | Concept D \$ 938,547 | | | Concept A | | | | Concept C (\$ 1,946,286 | | Concept A | | 2031 | | Concept D (| Concept C C \$ 1,946,286 | | oncept A | 2031 | | Concept D \$ 938.54 | | | Concept A |
| 2032 | | \$ 951,687 | | | | | | | \$ 1,973,534 | | | | 2032 | | | \$ 1,973,534 | | | 2032 | | | 7 \$ 1,973,534 | | |
| 2033 2034 | | \$ 965,011 \$ 978,521 | | | | | | | \$ 2,001,163 \$ 2,029,180 | | | | 2033 2034 | | \$ 965,011 \$ 978,521 | \$ 2,001,163 \$ | | | 2033 2034 | | | 1 \$ 2,001,163 1 \$ 2,029,180 | | |
| 2035 | | \$ 992,220 | | | | | | | \$ 2,023,180 | | | | 2035 | | | \$ 2,023,180 \$ | | | 2034 | | | \$ 2,023,180 | | \$ 2,851,642 |
| 2036 | | \$ 1,006,111 | | | | | | | \$ 2,086,394 | | | | 2036 | | \$ 1,006,111 | | | | 2036 | | | \$ 2,086,394 | | |
| 2037 2038 | | \$ 1,020,197 \$ 1,034,479 | | | | | | | \$ 2,115,604 \$ 2,145,222 | | | | 2037 2038 | | \$ 1,020,197 \$ 1,034,479 | | | | 2037 2038 | | | 7 \$ 2,115,604 9 \$ 2,145,222 | | |
| 2039 | | \$ 1,048,962 | | | | | | | \$ 2,175,256 | | | | 2039 | | | \$ 2,175,256 | | | 2039 | | | 2 \$ 2,175,256 | | \$ 3,014,718 |
| 2040 2041 | | \$ 1,063,648 \$ 1,078,539 | | | | | | | \$ 2,205,709 \$ 2,236,589 | | | | 2040 2041 | | \$ 1,063,648 \$ 1,078,539 | \$ 2,205,709 \$ | | | 2040 2041 | | | 3 \$ 2,205,709 9 \$ 2,236,589 | | |
| 2042 | | \$ 1,093,638 | \$ 2,267,901 | \$ 2,831,419 | \$ 3,143,118 | | | \$ 1,093,638 | \$ 2,267,901 | \$ 2,831,419 | \$ 3,143,118 | | 2042 | | \$ 1,093,638 | | | | 2042 | | | 3 \$ 2,267,901 | | |
| 2043 2044 | | \$ 1,108,949 \$ 1,124,474 | | | | | | | \$ 2,299,652 \$ 2,331,847 | | | | 2043 2044 | | \$ 1,108,949 \$ 1,124,474 | | | | 2043 2044 | | | 9 \$ 2,299,652 1 \$ 2,331,847 | | |
| 2045 | | \$ 1,140,217 | \$ 2,364,493 | \$ 2,952,011 | \$ 3,276,985 | | | \$ 1,140,217 | \$ 2,364,493 | \$ 2,952,011 | \$ 3,276,985 | | 2045 | | \$ 1,140,217 | \$ 2,364,493 \$ | \$ 2,952,011 | \$ 3,276,985 | 2045 | | \$ 1,140,21 | \$ 2,364,493 | \$ 2,952,011 \$ | \$ 3,276,985 |
| 2046 2047 | | \$ 1,156,180 \$ 1,172,367 | | | | | | | \$ 2,397,596 \$ 2,431,162 | | | | 2046 2047 | | \$ 1,156,180 \$ 1,172,367 | | | | 2046 2047 | | |) \$ 2,397,596 7 \$ 2,431,162 | | |
| | | | | \$ 3,077,739 | | | | \$ 1,188,780 | | | | | 2048 | | \$ 1,188,780 | | | | 2048 | | | | \$ 3,077,739 \$ | |
| 2048 | | \$ 1,100,700 | \$ 2,405,196 | y 3,011,133 | 5 5,410,554 | | | \$ 1,100,700 | 3 2,403,130 | , 3,011,133 | 3 3,410,334 | | | | | . , , | , 5,011,155 | , 0,:20,00: | _ | | 3 1,100,70 | 2,403,136 | | |
| 2049 | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | 2049 | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | 2049 | | \$ 1,205,42 | \$ \$ 2,499,711 | \$ 3,120,828 \$ | |
| | | | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | | \$ 1,205,423 | | \$ 3,120,828 | \$ 3,464,386 | | | | | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | _ | | \$ 1,205,42 | | \$ 3,120,828 \$ | |
| 2049 | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | 2049 | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | 2049 | | \$ 1,205,42 | \$ \$ 2,499,711 | \$ 3,120,828 \$ | |
| 2049 2050 | | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | 2049 | | \$ 1,205,423 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | 2049 | | \$ 1,205,42 | \$ \$ 2,499,711 | \$ 3,120,828 \$ | |
| 2049 2050 3.1% USDOT Fu | uture Discounting Ra ed Values to Current | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | Discounted | d Values to Curre | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | 2049 2050 | | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | 2049 2050 | Discounted Values to Cu | \$ 1,205,42 \$ 1,222,29 | \$ \$ 2,499,711 | \$ 3,120,828 \$ | |
| 2049 2050 3.1% USDOT Fu Discounte | ed Values to Current | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | SCALED | d Values to Curre | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | | 2049 2050 Discounted Va | alues to Current l | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 | \$ 3,120,828 | \$ 3,464,386 | 2049 2050 | Discounted Values to Cu SCALED | \$ 1,205,42 \$ 1,222,29 | \$ \$ 2,499,711 | \$ 3,120,828 \$ | |
| 2049 2050 3.1% USDOT Fu Discounte | ed Values to Current terial Delay | \$ 1,205,423 \$ 1,222,299 te Dollars | \$ 2,499,711 \$ 2,534,707 | \$ 3,120,828 \$ 3,164,519 | \$ 3,464,386 \$ 3,512,888 | | erial Delay | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 \$ 2,534,707 | \$ 3,120,828 \$ 3,164,519 | \$ 3,464,386 \$ 3,512,888 | | 2049 2050 Discounted Va | alues to Current l | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 \$ \$ 2,534,707 \$ | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,464,386 \$ 3,512,888 | 2049 2050 | | \$ 1,205,42 \$ 1,222,29 | 3 \$ 2,499,711 3 \$ 2,534,707 | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,512,888 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art | ed Values to Current | \$ 1,205,423 \$ 1,222,299 te Dollars | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 | \$ 3,120,828 \$ 3,164,519 | \$ 3,464,386 | SCALED NB/SB Arte | erial Delay No-Build | \$ 1,205,423 \$ 1,222,299 nt Dollars Concept D 517,636,534 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 | \$ 3,120,828 \$ 3,164,519 Soncept B | \$ 3,464,386 \$ 3,512,888 Concept A | l | 2049 2050 Discounted Va Intersection Di | alues to Current l | \$ 1,205,423 \$ 1,222,299 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ Concept C C \$ \$38,310,794 | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 | 2049 2050 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 | 3 \$ 2,499,711 3 \$ 2,534,707 Concept C | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,512,888 Concept A \$34,789,771 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art | ed Values to Current terial Delay | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$32,135,592 \$32,690,032 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 | \$ 3,120,828 \$ 3,164,519 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 | SCALED NB/SB Arte 2030 2031 | erial Delay | \$ 1,205,423 \$ 1,222,299 nt Dollars Concept D \$17,636,534 0 \$17,565,327 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 | \$ 3,120,828 \$ 3,164,519 | \$ 3,464,386 \$ 3,512,888 | | 2049 2050 Discounted Va Intersection Di 2030 2031 | alues to Current l | \$ 1,205,423 \$ 1,222,299 Dollars | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ Concept C \$ \$38,310,794 \$ \$39,577,806 | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 \$50,577,289 | 2049 2050 2030 2031 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 rrent Dollars Concept D 50 \$24,526,71 \$0 \$24,28,21 | Concept C (1 525,992,475 7 525,964,353 | \$ 3,120,828 \$ \$ 3,164,519 \$ | \$ 3,512,888 Concept A \$34,789,771 \$34,457,135 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 2033 | ed Values to Current terial Delay No-Build \$ | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$32,135,592 \$ \$32,690,032 \$ \$33,182,077 \$ \$33,614,978 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,494,944 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,593,981 \$40,283,775 \$40,896,291 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,896,291 | SCALED NB/SB Arte 2030 2031 2032 2033 | Prial Delay No-Build SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | \$ 1,205,423 \$ 1,222,299 ht Dollars Concept D 517,636,534 0 \$12,565,327 0 \$17,482,457 0 \$17,482,457 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 | \$ 3,120,828 \$ 3,164,519 Concept B \$22,979,554 \$22,998,089 \$22,994,733 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,998,089 \$22,994,733 | ļ | 2049 2050 Discounted Va Intersection Di 2030 2031 2032 2033 | pelay No-Build S0 S0 S0 S0 S0 | \$ 1,205,423 \$ 1,222,299 Dollars Concept D | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ Concept C \$ 38,310,794 \$ \$ \$ 439,573,989 \$ \$ 41,784,862 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | \$ 3,464,386 \$ 3,512,888 oncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,601,316 | 2049 2050 2030 2031 2032 2033 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 rrent Dollars Concept D 50 524,26,7 50 524,28,26 50 524,38,3 50 523,316,7 | Concept C (525,992,475 525,992,475 525,992,475 525,964,533 525,844,022 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Soncept A 534,789,771 534,457,135 534,131,051 \$33,758,506 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 | ed Values to Current terial Delay No-Build \$1 \$1 | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$32,135,592 \$32,690,032 \$33,182,077 \$33,614,978 \$33,391,847 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,494,944 \$31,620,649 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,593,981 \$40,283,775 \$40,283,775 \$40,283,553 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,896,291 \$41,435,553 | SCALED NB/SB Arter 2030 2031 2032 2033 2034 | erial Delay No-Build | \$ 1,205,423 \$ 1,222,299 Int Dollars Concept D S17,656,5347 0 \$17,482,457 0 \$17,482,457 0 \$17,284,757 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 | \$ 3,120,828 \$ 3,164,519 concept B 54,537,770 \$22,979,554 \$22,998,089 \$22,994,733 \$22,970,787 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,979,554 \$22,994,733 \$22,970,787 | | 2049 2050 Discounted Va Intersection D 2030 2031 2032 2033 2034 | alues to Current I Delay No-Build S0 S0 S0 | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,751,655 \$38,052,468 \$38,301,061 \$38,301,061 \$38,500,302 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ Concept C C \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | S 3,120,828 \$ 3,164,519 \$ 5 3,164,519 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | \$ 3,464,386 \$ 3,512,888 oncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,601,316 \$51,999,242 | 2049 2050 2030 2031 2032 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 | Concept C | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Concept A 534,789,771 534,457,135 534,113,051 533,758,506 \$33,394,441 |
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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$32,135,592 \$32,690,032 \$33,614,978 \$33,614,978 \$33,614,978 \$33,91,847 \$33,91,847 \$34,859,273 \$34,859,273 \$34,859,273 \$34,859,273 \$34,956,569 \$35,135,569 \$35,234,450 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 22,534,707 \$ 26,496,002 \$ 27,937,861 \$ 29,269,058 \$ 30,494,944 \$ 31,620,649 \$ 33,590,976 \$ 34,444,822 \$ 35,216,953 \$ 35,911,513 \$ 35,911,513 \$ 35,911,513 \$ 35,912,461 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,593,981 \$40,283,779 \$41,435,553 \$41,905,413 \$42,309,557 \$42,909,557 \$42,934,651 \$43,162,03 \$43,337,255 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$41,495,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 | SCALED NB/SB Arte 2030 2031 2032 2033 2034 2035 2036 2037 2038 2040 | No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Int Dollars Concept D \$17,836,534 0 \$17,865,532 0 \$17,482,457 0 \$17,482,457 0 \$17,171,333 0 \$17,174,331 0 \$15,049,141 0 \$16,918,755 0 \$16,780,796 0 \$15,638,375 0 \$16,638,337 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$17,843,956 \$17,843,956 \$17,884,406 \$17,890,540 \$17,890,540 | \$ 3,120,828 \$ 3,164,519 S22,979,554 \$22,998,089 \$22,997,732 \$22,977,742 \$22,286,034 \$22,686,034 \$22,686,034 \$22,686,034 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,979,554 \$22,998,089 \$22,994,733 \$22,974,92 \$22,866,034 \$22,787,543 \$22,693,099 \$22,583,733 \$22,460,428 | ŀ | 2049 2050 Discounted Va Intersection Di 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Delay No-Build S0 | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,751,655 \$38,052,468 \$38,301,061 \$38,503,030 \$38,652,934 \$38,652,934 \$38,652,934 \$38,865,833 \$38,848,55,833 \$38,848,125 \$38,804,810 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707,706 \$ \$ 2,735,714 \$ 2,535,91,609 \$ 2,44,357,398 \$ 2,537,724 \$ 2,537,398 \$ 2,537,724 \$ 2,537,398 \$ 2,537,724 \$ 2,537,398 \$ 2,53 | S 3,120,828 S 3,164,519 S 3,164,519 S 3,164,519 S 5 3,164,519 S 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | \$ 3,464,386 \$ 3,512,888 oncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,601,316 \$51,999,242 \$52,265,88 \$52,587,237 \$52,784,904 \$52,923,141 \$53,005,344 \$53,005,344 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 20 \$ 24,4526,7 \$ 22,429,24 \$ 23,365,9 \$ 23,365,9 \$ 23,365,9 \$ 23,2774,0 \$ 22,2703,0 \$ 22,2703,0 \$ 22,2703,0 | Concept C | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Concept A \$34,789,771 \$34,487,713 \$34,113,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,631,822 \$31,860,176 \$31,461,032 \$31,057,088 |
| 2049 2050 3.1% USDOT Funds of the process of the p | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$ 532,135,592 \$ 332,690,032 \$ 333,182,077 \$ 33,614,978 \$ 333,91,847 \$ 334,45,927 \$ 344,892,73 \$ 344,916,659 \$ 353,135,659 \$ 353,659 \$ 353,659 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,699,944 \$31,620,649 \$33,590,976 \$34,444,822 \$35,216,953 \$35,911,510 | Concept B \$38,822,708 \$39,993,981 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,631,511 \$42,934,651 \$43,62,203 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,393,651 \$42,393,4651 \$43,162,203 | SCALED NB/SB Arte 2030 2031 2032 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 | No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 nt Dollars Concept D \$ 517,636,534 \$ 317,865,327 \$ 0 \$17,482,757 \$ 0 \$17,284,757 \$ 0 \$17,284,757 \$ 0 \$17,787,80,796 \$ 0 \$16,918,755 \$ 0 \$16,918,755 \$ 0 \$16,918,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,755 \$ 0 \$16,818,757 \$ 0 \$17,818,757 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,543,966 \$17,684,406 \$17,804,500 | \$ 3,120,828 \$ 3,164,519 S20,979,554 \$22,980,085 \$22,970,787 \$22,970,787 \$22,970,787 \$22,927,089 \$22,866,034 \$22,787,543 \$22,693,099 \$22,693,099 \$22,693,099 \$22,583,733 | \$ 3,464,386 \$ 3,512,888 Concept A 522,937,770 \$22,998,089 \$22,994,733 \$22,9970,787 \$22,927,492 \$22,866,034 \$22,787,543 \$22,693,099 \$22,583,733 | | 2049 2050 Discounted Va Intersection Do 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | No-Build SO | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (537,395,624 537,751,655 \$38,052,468 \$38,301,061 \$38,502,302 \$38,652,934 \$38,761,580 \$38,828,748 \$38,828,748 \$38,856,833 \$38,848,158 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ 2,534,707 \$ \$ Concept C \$ \$38,310,794 \$ \$39,577,806 \$ \$40,733,989 \$ \$41,784,862 \$ \$42,735,714 \$ \$43,591,609 \$ \$44,357,398 \$ \$45,637,037 \$ \$45,637,037 \$ \$45,637,037 \$ \$46,159,591 | S 3,120,828 \$ 3,164,519 \$ 5 3,164,519 \$ 5 5,000,cept B C 549,942,506 \$ 55,077,289 \$ 551,128,746 \$ 551,601,316 \$ 51,999,242 \$ 52,326,588 \$ 52,587,237 \$ 52,784,904 \$ 52,923,141 \$ 52,923,141 \$ 53,005,344 | S 3,464,386 \$ 3,512,888 S0,572,888 S0,577,289 S51,128,746 S51,601,316 S51,999,242 S52,887,237 S52,784,904 S52,923,141 S53,005,344 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 | Concept C (525,992,475 525,992,475 525,992,475 525,993,4323 525,914,423 525,944,022 525,754,426 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,382,370 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Concept A 534,789,771 534,457,135 534,113,051 533,758,506 533,394,441 533,021,749 532,641,278 532,63,253,832 531,860,176 531,461,032 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$ 532,135,592 \$ 332,690,032 \$ 332,64978 \$ 333,614,978 \$ 334,415,662 \$ 344,982,73 \$ 344,892,73 \$ 344,892,73 \$ 352,244,80 \$ 353,255,63 \$ 352,254,83 \$ 352 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 22,534,707 \$ 26,496,002 \$ 27,937,861 \$ 29,269,058 \$ 30,494,944 \$ 31,620,649 \$ 33,590,976 \$ 33,590,976 \$ 34,444,822 \$ 35,216,953 \$ 35,511,510 \$ 36,532,461 \$ 37,568,574 \$ 37,990,854 | Concept B \$38,822,708 \$39,593,981 \$40,283,729 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,513 \$43,337,255 \$43,462,759 \$43,541,534 \$43,576,279 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,541,544 \$43,576,279 | SCALED NB/SB Arte 2030 2031 2032 2033 2034 2035 2035 2036 2037 2038 2040 2041 2041 2042 2043 | Prial Delay No-Build | \$ 1,205,423 \$ 1,222,299 The Dollars Concept D \$17,856,5347 \$17,382,457 \$17,382,457 \$17,382,457 \$17,382,457 \$17,171,353 \$15,17,171,353 \$16,780,796 \$15,680,796 \$15,680,796 \$15,680,796 \$15,680,796 \$15,6480,425 \$15,6164,889 \$15,6327,077 \$15,6480,425 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,7843,966 \$17,884,406 \$17,893,702 \$17,995,168 \$18,016,160 \$18,016,160 \$18,016,160 | \$ 3,120,828 \$ 3,164,519 S22,979,554 \$22,998,089 \$22,997,733 \$22,977,753 \$22,2787,543 \$22,660,042 \$22,324,120 \$22,324,120 \$22,324,120 \$22,324,120 \$22,324,120 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,979,554 \$22,980,089 \$22,994,733 \$22,974,92 \$22,866,034 \$22,787,543 \$22,663,099 \$22,583,733 \$22,460,428 \$22,324,120 \$22,175,703 \$22,060,099 | | 2049 2050 Discounted Va Intersection Di 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2042 | So S | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,751,655 \$38,052,468 \$38,301,061 \$38,500,302 \$38,652,934 \$38,652,934 \$38,865,833 \$38,848,125 \$38,848,12 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707,706 \$ \$ 24,357,318 \$ 24,357,318 \$ 245,537,318 \$ 24 | S 3,120,828 S 3,164,519 S 3,164,519 S 3,164,519 S 5,164,519 S 5,164,519 S 51,099,242 S52,246,588 S52,587,237 S52,784,904 S52,923,141 S53,005,344 S53,034,756 S53,014,479 S52,934,747 S52,836,569 | \$ 3,464,386 \$ 3,512,888 oncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,601,316 \$51,999,242 \$52,282,588 \$52,587,237 \$52,784,904 \$52,923,141 \$53,034,756 \$53,014,479 \$52,947,474 \$52,836,569 | 2039 2030 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2042 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 20 \$ 24,4526,7 \$ 0 \$24,461,3 \$ 0 \$23,365,9 \$ 0 \$23,365,9 \$ 0 \$22,774,0 \$ 0 \$22,774,0 \$ 0 \$22,500,3 \$ 0 \$22,165,9 \$ 0 \$21,165,8 \$ 0 \$21,165,8 \$ 0 \$21,193,9 \$ 0 \$21,165,8 | Concept C (4 525,992,475 7 525,964,353 9 525,914,423 9 525,646,853 9 525,646,853 9 525,224,65 5 525,382,370 5 525,224,65 5 525,382,370 5 525,217,626 5 525,217,626 5 525,382,370 5 525,217,626 5 525,382,370 5 525,217,626 5 525,382,370 5 525,217,626 5 525,382,370 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 5 525,217,626 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Soncept A \$34,789,771 \$34,487,135 \$34,113,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,641,278 \$32,253,832 \$31,860,176 \$31,461,032 \$31,064,991 \$30,237,358 \$29,822,770 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$32,135,592 \$33,182,007 \$33,614,978 \$33,614,978 \$33,91,847 \$34,315,662 \$34,996,669 \$34,996,669 \$35,234,450 \$35,234,450 \$35,234,450 \$35,234,450 \$35,234,450 \$35,234,450 \$35,334,347 \$35,334,347 \$35,334,347 | \$ 2,499,711 \$ 2,534,707 COncept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,494,944 \$31,620,649 \$33,590,976 \$34,444,822 \$35,216,93 \$35,915,510 \$36,532,461 \$37,083,603 \$37,568,574 | Concept B \$38,822,708 \$39,939,81 \$40,283,775 \$40,996,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,631,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,462,759 \$43,462,759 \$43,462,759 \$43,462,759 \$43,462,759 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,866,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,393,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,542,759 \$43,542,759 | SCALED NB/SB Arte 2030 2031 2032 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 | Prial Delay No-Build | \$ 1,205,423 \$ 1,222,299 The Dollars Concept D S17,656,534 0 \$17,865,534 0 \$17,388,690 0 \$17,284,757 0 \$17,284,757 0 \$17,049,141 516,918,755 0 \$16,780,796 0 \$16,636,831 0 \$16,636,831 0 \$16,648,425 0 \$16,535,837 0 \$16,164,289 0 \$15,996,529 0 \$15,996,529 0 \$15,996,529 0 \$15,996,529 0 \$15,996,529 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,843,966 \$17,684,406 \$17,684,406 \$17,893,702 \$17,965,168 \$18,016,160 | \$ 3,120,828 \$ 3,164,519 \$ 3,164,519 \$ 3,164,519 \$ 3,164,519 \$ 2,299,54 \$ 22,298,073 \$ 22,297,0787 \$ 22,2787,543 \$ 22,660,34 \$ 22,258,3093 \$ 22,660,428 \$ 22,224,125 \$ 22,225,2787,703 | \$ 3,464,386 \$ 3,512,888 Concept A 522,937,770 \$22,998,089 \$22,994,733 \$22,9970,787 \$22,927,492 \$22,866,034 \$22,787,543 \$22,693,099 \$22,583,733 \$22,460,428 \$22,324,120 \$22,75,703 | | 2049 2050 Discounted Va Intersection Do 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | Delay No-Build SO | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (537,395,624 537,751,655 \$38,052,468 \$38,301,061 \$38,503,302 \$38,652,934 \$38,761,580 \$38,828,748 \$38,838,838 \$38,838 \$38, | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ 2,534,707 \$ \$ 2000cept C \$ \$38,310,794 \$ \$39,577,806 \$ \$40,733,989 \$ \$41,784,862 \$ \$42,735,714 \$ \$43,591,609 \$ \$44,367,398 \$ \$45,637,798 \$ \$45,637,798 \$ \$45,637,798 \$ \$46,593,799 \$ \$46,699,462 \$ \$46,990,548 \$ \$47,306,578 \$ \$ \$47,306,578 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | S 3,120,828 S 3,164,519 S 3,164,519 S 3,164,519 S 50,000,000 S 50,577,289 S 51,128,746 S 51,601,316 S 1,999,242 S 52,326,588 S 52,587,287 S 52,784,904 S 52,923,141 S 53,034,756 S 53,014,479 S 53,014,479 | S 3,464,386 \$ 3,512,888 S0,572,888 S0,577,289 S51,128,746 S51,992,42 S52,987,237 S52,784,904 S52,987,237 S52,784,904 S53,003,344 S53,003,4756 S53,003,4756 S52,947,474 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 | Concept C (525,992,475 525,943,707 Concept C (525,992,475 525,943,533 525,643,533 525,643,533 525,643,633 525,643,633 525,643,633 525,643,633 525,643,633 525,643,633 525,643,633 525,643,633 525,643,633 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Concept A \$14,789,771 \$34,457,135 \$34,113,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,641,278 \$32,253,832 \$31,860,176 \$31,461,032 \$31,057,088 \$30,648,991 \$30,243,358 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2031 2032 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 2043 2044 2044 2045 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$12,135,592 \$32,690,032 \$33,614,978 \$33,614,978 \$33,614,978 \$33,415,602 \$34,489,273 \$34,489,273 \$34,489,273 \$35,234,450 \$35,235,256 \$35,234,500 \$35,235,234,50 \$35,235,235,234,50 \$35,235,234,50 \$35,235,235,234,50 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 256,496,002 \$ 27,937,861 \$ 29,269,058 \$ 30,949,944 \$ 31,620,649 \$ 33,590,976 \$ 34,444,822 \$ 35,216,953 \$ 35,511,510 \$ 36,532,461 \$ 37,983,603 \$ 37,568,574 \$ 37,990,854 \$ 38,353,775 \$ 38,660,275 \$ 38,660 | Concept B \$38,822,708 \$39,593,981 \$40,283,775 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,03 \$43,337,255 \$43,462,759 \$43,561,569 \$43,562,569 \$43,569,569 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,546 | SCALED NB/SB Arte 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2045 2046 | Prial Delay No-Build | \$ 1,205,423 \$ 1,222,299 Int Dollars Concept D \$17,565,5347 \$17,382,457 \$17,382,457 \$17,382,457 \$17,382,457 \$17,171,353 \$16,918,755 \$16,918,755 \$16,780,796 \$15,648,425 \$15,327,077 \$15,646,429 \$15,965,529 \$15,965,529 \$15,965,529 \$15,965,529 \$15,965,529 \$15,967,856 \$15,824,243 \$15,964,856 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,843,966 \$17,864,406 \$17,893,702 \$17,965,168 \$18,016,163 \$18,016, | \$ 3,120,828 \$ 3,164,519 S22,979,554 \$22,988,689 \$22,997,33 \$22,977,787 \$22,277,623 \$22,666,048 \$22,232,157,53 \$22,215,733 \$22,016,029 \$21,845,908 \$21,477,380 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,979,554 \$22,998,089 \$22,997,93 \$22,977,92 \$22,866,034 \$22,787,543 \$22,693,099 \$21,863,733 \$22,460,428 \$22,324,120 \$22,124,120 \$22,124,120 \$21,845,908 \$21,477,380 | | 2049 2050 Discounted Va Intersection Di 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2042 2043 2044 2045 2045 | So S | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (537,395,624 \$37,751,655 \$38,052,468 \$38,500,302 \$38,652,934 \$38,652,934 \$38,745,580 \$38,28,748 \$38,856,833 \$38,848,125 \$38,804,810 \$38,728,979 \$38,626,626 \$38,328,789,990 \$38,654 \$38,328,989 \$38,654 \$38,328,789,990 \$38,654 \$38,328,989 \$38,654 \$38,328,989 \$38,654 \$38,328,889 \$38,890,890 \$38,328,890 \$38,800 \$38,8 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707,706 \$ \$ 2,534,707,706 \$ \$ 24,735,714 \$ 24,735,714 \$ 24,735,714 \$ 24,735,714 \$ 24,735,738 \$ 24,736,573,398 \$ 24,736,573,398 \$ 24,736,578 \$ 24,736,5 | S 3,120,828 S 3,164,519 S 3,164,519 S 5,3,164,519 S 5,0,577,289 S51,128,746 S51,999,242 S52,326,588 S52,587,237 S52,784,904 S52,923,141 S53,005,344 S53,034,756 S53,014,479 S52,93,144 S52,836,569 S52,684,464 S52,493,739 S52,266,851 | \$ 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,699,242 \$52,282,588 \$52,587,237 \$52,784,904 \$52,932,341 \$53,034,756 \$53,044,79 \$52,947,747 \$52,836,569 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,464 \$52,684,684 | 2039 2030 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2045 2044 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 20,000,000,000,000,000,000,000,000,000, | Concept C Concept C 52,534,707 Concept C 52,592,475 525,964,353 525,944,23 525,944,23 525,544,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,26 525,754,81 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,267,810 524,813,606 524,267,810 524,813,606 524,267,810 524,267,810 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Concept A \$34,789,771 \$34,487,713 \$34,413,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,251,882 \$31,861,076 \$31,461,078 \$31,461 |
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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2031 2032 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2044 2045 2046 2047 2048 2049 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 te Dollars Concept D \$12,135,592 \$32,690,032 \$33,614,978 \$33,614,978 \$33,614,978 \$33,614,978 \$33,4315,662 \$34,495,695 \$35,135,742,09 \$35,135,742,09 \$35,742,09 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 25,6496,002 \$ 27,937,861 \$ 29,269,058 \$ 30,949,944 \$ 31,620,649 \$ 33,590,976 \$ 34,444,822 \$ 35,216,953 \$ 35,511,510 \$ 36,532,461 \$ 37,983,603 \$ 37,568,574 \$ 37,990,854 \$ 38,353,775 \$ 38,660,752 \$ 38,914,154 \$ 39,317,578 \$ 39,273,588 \$ 39,384,850 | Concept B \$38,822,708 \$39,593,981 \$40,283,775 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,934,651 \$43,162,934,651 \$43,362,759 \$43,541,357,62,79 \$43,569,569 \$43,523,867 \$43,441,522 \$43,324,781 \$43,175,781 \$43,175,781 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,562,759 \$43,542,762 \$43,576,279 \$43,569,569 \$43,523,867 \$43,547,544 \$43,175,785 \$43,175,785 \$43,175,785 \$42,996,580 | SCALED NB/SB Arte 2030 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Prial Delay No-Build | \$ 1,205,423 \$ 1,222,299 The Dollars Concept D \$17,636,534 0 \$17,862,457 0 \$17,482,457 0 \$17,482,457 0 \$17,171,353 0 \$16,918,755 0 \$16,918,755 0 \$16,92,707 0 \$15,596,529 | \$ 2,499,711 \$ 2,534,707 Concept C \$15,754,792 \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,843,966 \$17,864,406 \$17,893,702 \$17,965,168 \$18,016,160 \$18,016 | \$ 3,120,828 \$ 3,164,519 S22,979,554 \$22,998,089 \$22,997,733 \$22,977,753 \$22,277,753 \$22,278,753 \$22,286,034 \$22,232,157,533 \$22,157,533 \$22,157,533 \$22,157,533 \$21,157,538 \$2 | \$ 3,464,386 \$ 3,512,888 Concept A \$22,937,770 \$22,979,554 \$22,998,089 \$22,994,733 \$22,974,92 \$22,869,099 \$22,883,733 \$22,693,099 \$22,843,120 \$22,157,703 \$22,157, | | 2049 2050 Discounted Va Intersection Di 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2042 2043 2044 2045 2046 2047 2048 | So S | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,751,655 \$38,052,468 \$38,301,061 \$38,500,302 \$38,652,934 \$38,865,2934 \$38,865,893 \$38,848,125 \$38,864,810 \$38,728,979 \$38,626,626 \$38,328,748 \$38,804,810 \$38,728,979 \$38,626,626 \$38,328,789,694 \$38,328,785 \$37,944,269 \$37,172,943 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,707,706 \$ 2,534,706,707 \$ 2,739,90,108 \$ 2,730,240 \$ 2,738,90,240 \$ 2, | S 3,120,828 S 3,164,519 S 3,164,519 S 3,164,519 S 5 3,164,79 S 5 | \$ 3,464,386 \$ 3,512,888 oncept A \$49,942,506 \$50,577,289 \$51,801,316 \$51,999,242 \$52,282,588 \$52,587,237 \$52,784,904 \$52,923,141 \$53,034,756 \$53,014,479 \$52,923,141 \$53,034,756 \$53,014,479 \$52,923,141 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,034,756 \$53,044,79 \$52,866,851 \$52,266,851 \$52,266,851 \$52,266,851 \$52,266,851 \$551,392,153 | 2049 2050 2031 2031 2032 2033 2034 2035 2036 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 2048 2049 | SCALED Intersection Delay | \$ 1,205,42 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 1,222,29 \$ 20 \$ 24,4526,7 \$ 0 524,298,24 \$ 0 523,565,01 \$ 0 523,565,01 \$ 0 522,500,34 \$ 0 522,500,34 \$ 0 522,500,34 \$ 0 522,656,31 \$ 0 522,656,31 \$ 0 521,656,31 \$ 0 520,787,76 \$ 0 520,287,50 \$ 0 520,287,50 \$ 0 520,287,76 \$ 0 520,287,7 | Concept C Concept C S25,992,475 S25,964,353 S25,964,353 S25,964,353 S25,964,353 S25,964,853 S25,844,263 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,626 S25,27,729 S24,481,606 S24,468,1366 S24,468,1366 S24,468,1366 S24,468,1366 S24,468,1366 S24,267,810 S24,813,606 S24,267,810 S23,377,188 S23,377,188 S23,377,188 S23,377,188 S23,377,188 S23,377,188 S23,377,188 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Soncept A \$34,789,771 \$34,4789,771 \$34,4789,771 \$34,413,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,641,278 \$32,531,880,176 \$31,461,032 \$31,088 \$30,648,991 \$30,237,358 \$29,822,770 \$29,405,776 \$28,986,896 \$28,566,621 \$28,145,413 \$27,723,708 \$27,30,1917 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$ 522,135,592 \$ 532,690,032 \$ 533,691,847 \$ 533,614,978 \$ 533,91,847 \$ 534,815,606 \$ 534,996,669 \$ 534,996,669 \$ 535,295,347 \$ 535,235,347 \$ 535,235,235,347 \$ 535,235,235,347 \$ 535,235,235,235,235,235,235,235,235,235, | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 22,534,707 \$ 22,69,058 \$ 30,949,944 \$ 31,620,649 \$ 33,590,976 \$ 34,444,822 \$ 35,216,953 \$ 35,511,510 \$ 36,532,461 \$ 37,083,616,525 \$ 38,533,736,5574 \$ 37,908,54 \$ 38,533,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,853,790,854 \$ 38,814,154 \$ 38,914,154 \$ 39,917,588 | Concept B \$38,822,708 \$39,593,981 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 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2049 2050 Discounted Va Intersection Do 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2042 2043 2044 2045 2046 2047 2048 | Delay No-Build SO | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,751,655 \$38,052,468 \$38,300,302 \$38,503,302 \$38,503,302 \$38,552,934 \$38,508,303 \$38,828,748 \$38,856,833 \$38,804,810 \$38,287,48 \$38,804,810 \$38,287,48 \$38,387,61,580 \$38,287,48 \$38,804,810 \$38,287,48 \$38,387,61,580 \$38,287,48 \$38,387,61,580 \$38,287,48 \$37,696,694 \$37,444,269 \$37,444,269 \$37,444,269 \$37,444,269 \$37,444,269 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ 2,735,714 \$ 2,359,200 \$ 24,735,714 \$ 24,537,398 \$ 24,391,391,609 \$ 246,990,548 \$ 245,637,037 \$ 246,590,548 \$ 247,561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7561,721 \$ 247,7591,788 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$ 522,135,592 \$ 532,690,032 \$ 533,691,847 \$ 533,614,978 \$ 533,91,847 \$ 534,815,606 \$ 534,996,669 \$ 534,996,669 \$ 535,295,347 \$ 535,235,347 \$ 535,235,235,347 \$ 535,235,235,347 \$ 535,235,235,235,235,235,235,235,235,235, | Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,494,944 \$31,620,649 \$32,651,049 \$33,590,976 \$34,444,822 \$35,216,533 \$35,911,510 \$36,532,461 \$37,083,603 \$37,568,574 \$37,990,854 \$38,333,775 \$38,660,525 \$38,311,578 \$39,171,578 \$39,171,578 \$39,171,578 \$39,171,578 \$39,273,588 \$39,384,850 \$39,48,59,11 | Concept B \$38,822,708 \$39,939,811 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,543 \$42,309,557 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,642,759 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$22,135,592 \$ 332,690,032 \$ 333,182,077 \$ 533,614,978 \$ 533,991,847 \$ 534,415,660 \$ 534,996,669 \$ 535,224,450 \$ 535,234,450 \$ 535,234, | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$31,620,649 \$31,620,649 \$31,620,649 \$32,651,069 \$33,590,976 \$34,444,822 \$35,216,953 \$35,911,510 \$36,532,461 \$37,983,603 \$37,568,574 \$37,99,854 \$38,931,757 \$38,600,525 \$38,914,17,578 \$39,273,588 \$39,384,650 \$39,384,850 \$30,384,850 \$30,38 | Concept B \$38,822,708 \$39,993,981 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,309,557 \$44,651,511 \$42,934,651 \$43,362,203 \$43,337,255 \$43,662,759 \$43,541,534 \$43,576,259 \$43,541,534 \$43,576,259 \$43,541,534 \$43,576,259 \$43,23,867 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52,006,149 S 51,138,72 S 51,044,367,342 S 51, | S 3,464,386 \$ 3,512,888 CONCEPT A \$49,942,506 \$50,977,289 \$51,128,746 \$51,601,316 \$51,999,242 \$52,265,588 \$52,587,237 \$52,784,904 \$53,034,479 \$52,923,141 \$53,003,444 \$53,044,756 \$52,838,569 \$52,268,464 \$52,493,739 \$52,268,464 \$52,493,739 \$52,268,464 \$51,193,173 \$51,193,173 \$51,194,028 \$51,194,028 | 2049 2050 2031 2031 2032 2033 2034 2035 2036 2037 2048 2049 2042 2043 2044 2045 2046 2047 2048 2049 2048 | SCALED Intersection Delay No-Build TOTAL Congesti | \$ 1,205,42 \$ 1,222,29 Trent Dollars Concept D \$0 \$14,526,77 \$0 \$24,798,24 \$0 \$23,816,77 \$0 \$23,816,77 \$0 \$23,850,99 \$0 \$23,816,77 \$0 \$23,850,99 \$0 \$23,222,44,09 \$0 \$21,869,31 \$0 \$21,869,31 \$0 \$21,869,41 \$0 \$21,969,61 \$0 \$21 | Concept C 525,992,475 525,992,475 525,992,475 525,992,475 525,992,475 525,992,475 525,992,475 525,992,475 525,844,022 525,754,426 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 525,522,465 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Lee Concept D \$ 522,135,592 \$ 532,690,032 \$ 533,182,077 \$ 533,614,978 \$ 533,391,847 \$ 534,315,662 \$ 544,966,669 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,295,600,332 \$ 535,205,377 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,470 \$ 535,724,770 \$ 535,734,740 \$ 535,734,740 \$ 535,734,740 \$ 535,734,740 \$ 535,734,740 \$ 535 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 22,69,002 \$27,937,861 \$29,269,058 \$30,499,944 \$31,620,649 \$32,651,069 \$33,590,976 \$34,444,822 \$35,2169 \$35,911,510 \$36,532,461 \$37,083,603 \$37,568,574 \$37,990,854 \$38,353,375 \$38,353,375 \$38,353,375 \$38,353,375 \$38,360,525 \$38,314,154 \$39,117,578 \$39,173,588 \$39,373,588 \$39,373,588 \$39,373,588 \$39,471,738 \$713,471,738 | Concept B \$38,822,708 \$39,939,81 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,305,413 \$43,305,575 \$42,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,562,759 \$43,541,534 \$43,175,782 \$43,367 \$43,41,522 \$43,324,781 \$43,175,785 \$42,996,580 \$42,789,117 \$851,911,984 \$851,911,984 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,283,775 \$40,866,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,343,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,541,534 \$43,576,279 \$43,541,534 \$43,576,279 \$43,541,534 \$43,176,76279 \$43,541,534 \$43,175,785 \$42,996,580 \$42,789,117 \$851,911,984 \$851,911,984 \$35,159,478 | SCALED NB/SB Arter 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Prial Delay No-Build SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS | \$ 1,205,423 \$ 1,222,299 Concept D | \$ 2,499,711 \$ 2,534,707 Concept C (15,754,792) \$16,108,173 \$16,426,059 \$16,710,266 \$16,962,532 \$17,184,520 \$17,843,966 \$17,803,540 \$17,803,540 \$17,803,794 \$18,061,333 \$18,057,695 \$18,016,160 \$18,037,947 \$18,003,061 \$17,953,965 \$17,953 | \$ 3,120,828 \$ 3,164,519 \$ 3,164,519 \$ 22,979,554 \$ 22,984,733 \$ 22,70,787 \$ 22,297,087 \$ 22,297,402 \$ 22,286,034 \$ 22,787,543 \$ 22,486,034 \$ 22,787,543 \$ 22,464,028 \$ 22,324,100 \$ 22,175,703 \$ 22,166,6113 \$ 21,477,80 \$ 21,1075,865 \$ 20,864,383 \$ 20,646,564 \$ 443,633,966 \$ 31,672,762 | \$ 3,464,386 \$ 3,512,888 Concept A 522,979,554 522,998,089 522,994,733 522,970,787 522,970,787 522,970,787 522,970,787 522,2787,543 522,460,428 522,185,908 521,666,5113 522,477,380 521,666,541 521,843,633,966 \$443,633,966 \$443,633,966 \$443,633,966 | | 2049 2050 Discounted Va Intersection Di 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2047 2048 2049 | So S | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,795,655 \$38,052,468 \$38,500,302 \$38,552,934 \$38,500,302 \$38,552,934 \$38,565,933 \$38,828,748 \$38,856,833 \$38,868,125 \$38,804,810 \$38,287,484 \$38,856,833 \$38,804,810 \$37,928,785 \$38,328,800 \$37,928,785 \$37,966,694 \$37,444,269 \$37,172,943 \$36,884,081 \$764,789,467 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707,54 \$ 2,534,707,54 \$ 2,534,501,609 \$ 2,534,307,54 \$ 2,534,509,548 \$ 2,534,509,5 | S 3,120,828 S 3,164,519 S 3,164,519 S 3,164,519 S 50,000 C 549,942,506 S 50,577,289 S 51,128,746 S 51,601,316 S 1,999,242 S 52,326,588 S 2,587,237 S 27,784,904 S 52,923,141 S 33,005,344 S 33,034,756 S 33,014,479 S 22,868,519 S 22,266,851 S 2,047,474 S 52,493,739 S 22,266,851 S 51,043,028 S 1,044,367,342 S 51,044,367,342 S 51,04 | S 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,992,42 \$52,265,588 \$52,265,588 \$52,265,588 \$52,387,237 \$52,784,904 \$53,005,344 \$53,034,756 \$53,005,344 \$53,034,756 \$53,014,479 \$52,947,474 \$52,947,474 \$52,948,549 \$51,1713,872 \$51,948,681 \$52,066,851 \$52,066,851 \$52,066,149 \$51,1713,872 \$51,044,367,342 | 2049 2050 2031 2031 2032 2033 2034 2035 2036 2037 2048 2049 2042 2043 2044 2045 2046 2047 2048 2049 2048 | SCALED Intersection Delay No-Build | \$ 1,205,42 \$ 1,222,29 Trent Dollars Concept D 50 524,256,77 50 524,961,36 50 523,365,06 50 523,365,06 50 523,365,06 50 523,365,06 50 522,274,00,36 50 522,274,00,36 50 522,224,46 50 521,960,97 50 521,960,97 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 50 520,204,46,61 | Concept C (525,992,475 525,992,475 525,992,475 525,962,453 525,964,553 525,964,553 525,664,562 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$ 32,135,592 \$ 332,690,032 \$ 333,812,077 \$ 333,614,978 \$ 333,991,847 \$ 343,415,606 \$ 343,996,669 \$ 343,996,669 \$ 353,234,450 \$ 353,234 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$31,620,649 \$31,620,649 \$31,620,649 \$33,590,976 \$34,444,822 \$35,216,953 \$35,911,510 \$36,532,461 \$37,983,603 \$37,568,574 \$37,996,574 \$37,996,574 \$39,317,578 \$39,317,578 \$39,317,578 \$39,273,588 \$39,384,850 \$39,453,915 \$713,471,738 \$713,471,738 \$713,471,738 | Concept B 538,822,708 539,993,981 540,283,775 540,896,291 541,435,553 541,905,413 542,309,557 542,651,511 543,162,203 543,337,255 543,662,759 543,541,534 543,562,759 543,541,534 543,562,759 543,541,534 543,762,759 543,541,534 543,757,858 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\$443,633,966 \$443,633,966 \$443,633,966 \$478,793,445 | | 2049 2050 Discounted Va Intersection Di 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build S0 | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (1,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2 | \$ 2,499,711 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707 \$ 2,534,707,724 \$ 239,577,806 \$ 247,35,714 \$ 24,5637,037 \$ 246,503,724 \$ 245,637,037 \$ 246,509,542 \$ 247,506,578 \$ 247,561,21 \$ 247,599,240 \$ 247,899,240 \$ 247,899,240 \$ 247,899,240 \$ 247,899,198 \$ 247,513,513,513,513,513,513,513,513,513,513 | S 3,120,828 \$ 3,164,519 \$ 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 3,164,479 \$ 3,164,479 \$ 3,164, | S 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 \$50,977,289 \$51,128,746 \$51,601,316 \$51,992,42 \$51,292,6588 \$52,287,237 \$52,784,904 \$53,003,344 \$53,003,344 \$53,003,344 \$53,003,344 \$53,003,344 \$53,003,475 \$52,268,659 \$52,268,659 \$52,268,659 \$52,268,659 \$52,268,59 \$52,268,59 \$52,268,59 \$52,268,59 \$51,043,739 \$51,043,028 \$1,044,367,342 | 2049 2050 2031 2031 2032 2033 2034 2035 2036 2037 2048 2049 2042 2043 2044 2045 2046 2047 2048 2049 2048 | TOTAL Congesti Safety Total Ber | \$ 1,205,42 \$ 1,222,29 Trent Dollars Concept D \$0 \$24,526,72 \$0 \$24,798,24 \$0 \$23,816,72 \$0 \$23,816,72 \$0 \$23,316,92 \$0 \$23,316,92 \$0 \$23,316,92 \$0 \$22,774,03,36 \$0 \$22,774,03,36 \$0 \$22,22,44 \$0 \$21,368,94 \$0 \$21,368,94 \$0 \$21,968,37 \$0 \$ | Concept C (525,992,475 525,947,475 525,943,473 525,943,473 525,943,423 525,544,022 525,754,426 525,522,465 525,636,533 524,665,336 524,627,810 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | Soncept A 534,789,771 534,475,135 534,113,051 533,758,506 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Lee Concept D \$ 522,135,592 \$ 532,690,032 \$ 533,182,077 \$ 533,614,978 \$ 533,391,847 \$ 534,315,662 \$ 544,966,669 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,900,33 \$ 53 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,499,944 \$31,620,649 \$32,651,069 \$33,590,976 \$34,444,822 \$35,2169 \$35,911,510 \$36,532,461 \$37,083,603 \$37,568,574 \$37,990,854 \$38,353,375 \$38,660,525 \$38,314,154 \$39,117,578 \$39,173,588 \$39,373,588 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,939,811 \$40,283,775 \$40,896,291 \$41,435,553 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523,365,01 50 523,365,01 50 522,274,01 50 522,274,01 50 522,274,01 50 522,224,41 50 521,963,71 50 521,963,71 50 520,204,46,61 50 520,504,505 50 521,963,71 50 520,504,61 50 52 | Concept C (525,992,475 525,992,475 525,992,475 525,964,353 525,914,423 525,944,222 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,382,370 524,481,81,71 524,481,81,71 524,481,827 524,481,481 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,731 523,673,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,733 524,685,573,733 525,685,733 524,685,733 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | \$ 3,512,888 \$ 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| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Concept D \$ 32,135,592 \$ 332,690,032 \$ 333,812,077 \$ 333,614,978 \$ 333,991,847 \$ 343,415,606 \$ 343,996,669 \$ 343,996,669 \$ 345,234,450 \$ 353,234,450 \$ 353,234 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$31,620,649 \$31,620,649 \$31,620,649 \$33,590,976 \$34,444,822 \$35,216,51 \$35,511,510 \$36,532,461 \$37,983,603 \$37,568,574 \$37,908,854 \$37,908,854 \$37,908,854 \$37,908,854 \$37,908,854 \$37,908,854 \$37,715,788 \$39,317,578 \$39,273,588 \$39,384,850 \$39,453,915 \$713,471,738 \$713,471,738 \$73,8840,891 \$ 135,000,000 \$ 190,000,000 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,993,981 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,551,511 \$42,394,651 \$43,162,203 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70,000,000 \$ \$ 70,000,000 \$ \$ 70,000,000 \$ \$ \$ 70,000,000 \$ \$ \$ 70,000,000 \$ \$ \$ 70,000,000 \$ \$ \$ 70,000,000 \$ \$ \$ \$ 70,000,000 \$ \$ \$ 70,000,000 \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ \$ \$ 70,000,000 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | \$ 3,512,888 \$34,789,771 \$34,457,135 \$34,413,051 \$33,758,506 \$33,394,441 \$33,021,749 \$32,641,278 \$32,53,832 \$31,860,176 \$31,461,032 \$31,0648,991 \$30,237,358 \$29,822,770 \$29,405,776 \$28,986,896 \$29,822,770 \$29,405,776 \$28,986,896 \$29,825,66,621 \$28,145,413 \$27,723,708 \$72,370,91 \$72,370,91 \$72,56,880,427 \$615,738,163 \$35,159,478 \$650,897,642 \$215,000,000 \$300,000,000 |
| 2049 2050 3.1% USDOT Fu Discounte NB/SB Art 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | ed Values to Current terial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 Lee Concept D \$ 522,135,592 \$ 532,690,032 \$ 533,182,077 \$ 533,614,978 \$ 533,391,847 \$ 534,315,662 \$ 544,966,669 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,295,600,33 \$ 535,900,33 \$ 53 | \$ 2,499,711 \$ 2,534,707 Concept C \$26,496,002 \$27,937,861 \$29,269,058 \$30,499,944 \$31,620,649 \$32,651,069 \$33,590,976 \$34,444,822 \$35,2169 \$35,911,510 \$36,532,461 \$37,083,603 \$37,568,574 \$37,990,854 \$38,353,375 \$38,660,525 \$38,314,154 \$39,117,578 \$39,173,588 \$39,373,588 | \$ 3,120,828 \$ 3,164,519 Concept B \$38,822,708 \$39,939,811 \$40,283,775 \$40,896,291 \$41,435,553 \$41,905,413 \$42,305,547 \$42,934,651,511 \$42,934,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,541,534 \$43,576,279 \$43,562,798 \$43,541,534 \$43,175,785 \$42,986,180 \$42,789,117 \$851,911,984 \$851,911,984 \$851,911,984 \$ 31,672,762 \$883,584,746 \$ 195,000,000 | \$ 3,464,386 \$ 3,512,888 Concept A \$38,822,708 \$39,593,981 \$40,283,775 \$40,283,775 \$40,866,291 \$41,435,553 \$41,905,413 \$42,309,557 \$42,651,511 \$42,343,651 \$43,162,203 \$43,337,255 \$43,462,759 \$43,541,534 \$43,576,279 \$43,541,534 \$43,576,279 \$43,541,534 \$43,576,279 \$43,541,534 \$43,576,279 \$43,541,534 \$43,576,279 \$43,541,534 \$43,175,785 \$42,996,580 \$42,789,117 \$851,911,984 \$851,911,984 \$881,911,984 \$888,7071,463 \$215,000,000 | SCALED NB/SB Arter 2030 2031 2032 2033 2034 2035 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Prial Delay No-Build S S S S S S S S S S S S S S S S S S | \$ 1,205,423 \$ 1,222,299 The Dollars Concept D S17,636,534 0 \$12,565,327 0 \$17,388,690 0 \$17,284,757 0 \$17,388,690 0 \$17,284,757 0 \$16,787,00 0 \$16,635,837 0 \$16,635,837 0 \$16,635,837 0 \$16,647,856 0 \$15,647,856 0 \$15,647,700 0 \$15,284,367 0 \$15,647,856 0 \$15,647,86 | \$ 2,499,711 \$ 2,534,707 Concept C (15,754,792) \$16,108,173 (16,426,059) \$16,710,266 \$16,962,532 \$17,184,520 \$17,893,702 \$17,893,702 \$17,893,702 \$18,016,160 \$18,047,843 \$18,061,333 \$18,061,333 \$18,061,333 \$18,063,399 \$18,037,947 \$18,003,061 \$17,953,965 \$17,95 | \$ 3,120,828 \$ 3,164,519 \$ 3,164,519 \$ 3,164,519 \$ 22,999,584 \$ 22,998,783 \$ 22,950,787 \$ 22,986,034 \$ 22,787,543 \$ 22,866,034 \$ 22,787,543 \$ 22,485,906 \$ 22,125,703 \$ 22,125, | \$ 3,464,386 \$ 3,512,888 Concept A 522,979,554 522,998,089 522,994,733 522,970,787 522,970,787 522,970,787 522,970,787 522,2787,640,428 522,460,428 522,1460,428 523,242,120 523,175,703 522,076,029 521,865,908 521,666,5113 524,477,380 521,666,544 5443,633,966 \$443,633,966 \$443,633,966 \$443,633,966 \$443,633,966 \$443,633,966 \$443,633,966 \$443,633,966 | | 2049 2050 Discounted Va Intersection Do 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | solution Sol | \$ 1,205,423 \$ 1,222,299 Dollars Concept D (37,395,624 \$37,795,624 \$37,751,655 \$38,052,468 \$38,300,301 \$38,503,302 \$38,552,934 \$38,565,933 \$38,565,933 \$38,868,125 \$38,804,810 \$38,565,833 \$38,804,810 \$38,287,488 \$38,380,4810 \$37,928,785 \$38,328,809,810 \$37,928,785 \$37,966,694 \$37,444,269 \$37,172,943 \$36,588,081 \$36,588,081 \$764,789,467 \$764,789,467 | \$ 2,499,711 \$ \$ 2,534,707 \$ \$ 2,534,707 \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 2,534,707 \$ \$ \$ \$ 238,310,794 \$ 239,577,806 \$ 40,733,989 \$ 44,357,398 \$ 45,637,037 \$ 445,537,037 \$ 46,159,591 \$ 46,509,462 \$ 46,909,548 \$ 47,306,578 \$ 47,561,121 \$ 47,765,121 \$ 47,765,121 \$ 47,765,121 \$ 47,765,121 \$ 47,765,121 \$ 47,765,121 \$ 27,765,12 | S 3,120,828 \$ 3,164,519 \$ 5 3,164,519 \$ 5 3,164,519 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5,000,000 \$ 5 5 5 5 5,000,000 \$ 5 5 5 5 5,000,000 \$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 | S 3,464,386 \$ 3,512,888 Soncept A \$49,942,506 \$50,577,289 \$51,128,746 \$51,992,42 \$52,265,588 \$52,265,588 \$52,265,588 \$52,267,249,904 \$53,005,344 \$53,005,344 \$53,034,756 \$53,014,479 \$52,947,474 \$52,886,569 \$53,014,479 \$52,668,81 \$52,066,81 \$52,066,81 \$52,066,81 \$52,066,81 \$52,066,81 \$52,066,149 \$51,1713,872 \$51,942,028 \$1,044,367,342 \$31,044,367,342 \$31,044,367,342 \$31,044,367,342 \$31,044,367,342 \$31,044,367,342 | 2049 2050 2031 2031 2032 2033 2034 2035 2036 2037 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2048 | TOTAL Congesti Safety Total Ber Low Cost | \$ 1,205,42 \$ 1,222,29 Trent Dollars Concept D 50 534,256,77 50 524,961,34 50 523,365,01 50 523,365,01 50 523,365,01 50 523,365,01 50 522,274,01 50 522,274,01 50 522,274,01 50 522,224,41 50 521,963,71 50 520,200,41 50 | Concept C (525,992,475 525,992,475 525,992,475 525,964,353 525,914,423 525,944,222 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,754,426 525,382,370 524,481,81,71 524,481,81,71 524,481,827 524,481,481 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,606 524,481,731 523,673,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,729 523,573,733 524,685,573,733 525,685,733 524,685,733 | \$ 3,120,828 \$ \$ 3,164,519 \$ \$ \$ 3,164,519 \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ 3,164,519 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | \$ 3,512,888 \$ 3,512,888 \$ 34,789,771 \$ 34,457,135 \$ 34,113,051 \$ 33,758,506 \$ 33,394,441 \$ 33,021,749 \$ 32,631,278 \$ 32,253,832 \$ 31,860,176 \$ 31,461,032 \$ 31,057,088 \$ 30,648,991 \$ 30,237,358 \$ 29,822,770 \$ 29,405,776 \$ 28,966,896 \$ 28,566,621 \$ 28,145,413 \$ 27,723,708 \$ 27,301,917 \$ 28,145,413 \$ 27,723,708 \$ 27,301,917 \$ 26,508,047 \$ 615,738,163 \$ 615,738,163 \$ 53,159,478 \$ 650,897,642 \$ 215,000,000 |

USER BENEFIT CALCULATIONS Segment 3

4.4% daily truck percentage - US 23
3.5% daily truck percentage - intersections (all vehicles)

\$20.21 weighted average value of time - US 23 \$20.09 weighted average value of time - intersections/all vehicles

Values for Input into USDOT Cost-Benefit Spreadsheet

| values for input | | | | SCA1 | r.D. | | | | | | | | | | SCALED | | | | |
|--|---|--|--|---|--|--|---|--|--|---|--|---|--|---|--|---|---|---|--|
| NB/S | SB Arterial Delay | | | SCAI NB/S | B Arterial Delay | | | | Intersection Delay | | | | | | SCALED Intersection Delay | | | | |
| | No-Build \$21,764,799 \$ | 0 \$8,869,637 \$19,411,938 | Concept B Concept A \$21,764,799 \$21,764, | | | \$0 \$8,467,577 | \$14,037,330 \$16,037,26 | Concept A \$16,037,261 | 2030 \$31,856,9 | No-Build 906 \$0 | \$6,559,651 | \$26,974,708 | \$31,856,906 | 931,856,906 | 2030 \$23,502 | _ | \$8,166,372 \$ | | B Concept A 502,709 \$23,502,709 |
| | \$23,191,483 \$ \$24,618,167 \$ | 0 \$10,054,182 \$20,726,744 0 \$11,238,728 \$22,041,549 | \$23,191,483 \$23,191, \$24,618,167 \$24,618, | | | \$0 \$8,965,668 \$0 \$9,463,759 | \$14,582,669 \$16,672,494 \$15,128,008 \$17,307,723 | | 2031 \$33,517,9 2032 \$35,179,0 | | | \$28,512,300 \$30,049,891 | \$33,517,983 \$35,179,060 | \$33,517,983 \$35,179,060 | 2031 \$1348 2032 \$25,14 | ,549 \$0 ,389 \$0 | | | \$48,549 \$24,348,549 194,389 \$25,194,389 |
| 2033 SS 2034 SS | | 0 \$12,423,273 \$23,356,355 0 \$13,607,818 \$24,671,160 | \$26,044,851 \$26,044, | | | | \$15,673,347 \$17,942,960 | | 2033 \$36,840,1 2034 \$38,501,2 | *** | | \$31,587,483 \$33,125,074 | \$36,840,138 | \$36,840,138 | 2033 \$26,040 2034 \$26,886 | \$0 | | | 940,229 \$26,040,229 |
| | | 0 \$13,607,818 \$24,671,160 0 \$14,792,363 \$25,985,965 | \$27,471,535 \$27,471, \$28,898,219 \$28,898, | | | \$10,459,941 \$0 \$10,958,032 | \$16,218,686 \$18,578,193 \$16,764,025 \$19,213,425 | | 2034 \$38,501,2 | | | \$34,662,666 | \$38,501,215 \$40,162,292 | \$38,501,215 \$40,162,292 | 2034 \$26,886 | ,909 \$0 ,909 | | | \$86,069 \$26,886,069 \$31,909 \$27,731,909 |
| | \$30,324,903 \$ \$31,751,587 \$ | 0 \$15,976,908 \$27,300,771 0 \$17,161,453 \$28,615,576 | \$30,324,903 \$30,324, \$31,751,587 \$31,751, | | | | \$17,309,364 \$19,848,658 \$17,854,703 \$20,483,893 | | 2036 \$41,823,3 2037 \$43,484,4 | | | \$36,200,258 \$37,737,849 | \$41,823,370 \$43,484,447 | \$41,823,370 \$43,484,447 | 2036 \$28,577 2037 \$29,423 | | | | 577,749 \$28,577,749 123,589 \$29,423,589 |
| 2038 \$ | 33,178,271 \$ | 0 \$18,345,999 \$29,930,381 | \$33,178,271 \$33,178, | 271 2038 52 | 1,119,124 | \$12,452,305 | \$18,400,042 \$21,119,124 | \$21,119,124 | 2038 \$45,145,5 | 524 \$0 | \$16,762,517 | \$39,275,441 | \$45,145,524 | \$45,145,524 | 2038 \$30,269 | 429 \$0 | \$13,482,977 | \$27,459,389 \$30, | \$30,269,429 |
| | | 0 \$19,530,544 \$31,245,187 0 \$20,715,089 \$32,559,992 | \$34,604,955 \$34,604, \$36,031,640 \$36,031, | | | \$0 \$12,950,396 \$0 \$13,448,487 | \$18,945,381 \$21,754,357 \$19,490,720 \$22,389,589 | | 2039 \$46,806,6 2040 \$48,467,6 | | | \$40,813,032 \$42,350,624 | \$46,806,601 \$48,467,679 | \$46,806,601 \$48,467,679 | 2039 \$31,115 2040 \$31,961 | | | | 15,269 \$31,115,269 961,109 \$31,961,109 |
| | | 0 \$21,899,634 \$33,874,797 0 \$23,084,179 \$35,189,603 | \$37,458,324 \$37,458, \$38,885,008 \$38,885, | | | \$13,946,578 \$0 \$14,444,669 | \$20,036,059 \$23,024,823 \$20,581,398 \$23,660,059 | , .,. ,. | 2041 \$50,128,7 2042 \$51,789,8 | | \$20,588,592 | \$43,888,215 \$45,425,807 | \$50,128,756 \$51,789,833 | \$50,128,756 \$51,789,833 | 2041 \$32,806 2042 \$33,652 | | | | 806,950 \$32,806,950 552,790 \$33,652,790 |
| 2043 | | 0 \$24,268,725 \$36,504,408 | \$40,311,692 \$40,311, | 92 2043 \$2 | 1,295,288 | \$14,942,760 | \$21,126,737 \$24,295,288 | \$24,295,288 | 2043 \$53,450,9 | \$0 | \$23,139,308 | \$46,963,399 | \$53,450,911 | \$53,450,911 | 2043 \$34,498 | | \$16,805,856 \$ | \$31,296,410 \$34, | 198,630 \$34,498,630 |
| | \$41,738,376 \$ \$43,165,060 \$ | 0 \$25,453,270 \$37,819,214 0 \$26,637,815 \$39,134,019 | \$41,738,376 \$41,738, \$43,165,060 \$43,165, | | | \$0 \$15,440,851 \$0 \$15,938,942 | \$21,672,076 \$24,930,523 \$22,217,415 \$25,565,754 | | 2044 \$55,111,9 2045 \$56,773,0 | | \$24,414,666 | \$48,500,990 \$50,038,582 | \$55,111,988 \$56,773,065 | \$55,111,988 \$56,773,065 | 2044 \$35,344 2045 \$36,190 | | | | \$44,470 \$35,344,470 190,310 \$36,190,310 |
| | \$44,591,744 \$ \$46.018.428 \$ | 0 \$27,822,360 \$40,448,824 0 \$29,006,905 \$41,763,630 | \$44,591,744 \$44,591, \$46,018,428 \$46,018. | | | \$16,437,033 \$0 \$16,935,124 | \$22,762,754 \$26,200,987 \$23,308.093 \$26,836,219 | | 2046 \$58,434,1 2047 \$60,095,2 | | | \$51,576,173 | \$58,434,142 \$60,095,220 | \$58,434,142 \$60,095,220 | 2046 \$37,036 2047 \$37,881 | | | | 36,150 \$37,036,150 881.990 \$37.881.990 |
| | \$47,445,112 \$ | | \$45,018,428 \$46,018, | | | \$16,935,124 \$0 \$17,433,215 | \$23,853,432 \$27,471,452 | , ,,,,,, | 2047 \$60,095,2 | | | \$53,113,765 \$54,651,357 | \$61,756,297 | \$61,756,297 | 2047 \$37,881 2048 \$38,727 | | , . , , | | 727,830 \$38,727,830 |
| | \$48,871,796 \$ \$50,298,480 \$ | 0 \$31,375,996 \$44,393,240 0 \$32,560,541 \$45,708,046 | \$48,871,796 \$48,871, \$50,298,480 \$50,298, | | | \$0 \$17,931,306 \$0 \$18,429,397 | \$24,398,771 \$28,106,685 \$24,944,110 \$28,741,918 | , , | 2049 \$63,417,3 2050 \$65,078,4 | | | \$56,188,948 \$57,726,540 | \$63,417,374 \$65,078,452 | \$63,417,374 \$65,078,452 | 2049 \$39,573 2050 \$40,419 | | , | | 573,670 \$39,573,670 119,510 \$40,419,510 |
| | | | | | | | | | | | | | | , , , , | | | | | |
| ECAI | T Safety | | Concept B Concept A | | Safety | | ncept C Concept B | | ECAT Safet | zy . | Concept D C | | | | ECAT Safe | Co | | cept C Concept | |
| 2031 2032 | | \$ 1,078,817 \$ 1,040,129 \$ 1,098,775 \$ 1,059,372 | | | | | 1,040,129 \$ 1,634,641 1,059,372 \$ 1,664,882 | | 2031 2032 | | \$ 1,078,817 \$ 1.098,775 | \$ 1,040,129 \$ \$ 1,059,372 \$ | | | 2031 2032 | | | | 34,641 \$ 1,763,747 54,882 \$ 1,098,775 |
| 2033 | | \$ 1,119,103 \$ 1,078,970 | \$ 1,695,683 \$ 1,829,6 | 09 | | \$ 1,119,103 \$ | 1,078,970 \$ 1,695,683 | \$ \$ 1,829,609 | 2033 | | \$ 1,119,103 | \$ 1,078,970 \$ | 1,695,683 \$ | 1,829,609 | 2033 | \$ | 1,119,103 \$ | 1,078,970 \$ 1,6 | 95,683 \$ 1,829,609 |
| 2034 2035 | | \$ 1,139,806 \$ 1,098,931 \$ 1,160,892 \$ 1,119,261 | | | | | 1,098,931 \$ 1,727,053 1,119,261 \$ 1,759,003 | | 2034 2035 | | | \$ 1,098,931 \$ \$ 1,119,261 \$ | | | 2034 2035 | | | | 27,053 \$ 1,863,457 59,003 \$ 1,897,930 |
| 2036 2037 | | \$ 1,182,369 \$ 1,139,968 \$ 1,204,243 \$ 1,161,057 | | | | | 1,139,968 \$ 1,791,545 1,161,057 \$ 1,824,688 | | 2036 2037 | | | \$ 1,139,968 \$ | | | 2036 2037 | | | | 91,545 \$ 1,933,042 24,688 \$ 1,968,803 |
| 2038 | | \$ 1,226,521 \$ 1,182,537 | \$ 1,858,445 \$ 2,005,2 | 26 | | \$ 1,226,521 \$ | 1,182,537 \$ 1,858,445 | \$ 2,005,226 | 2038 | | \$ 1,226,521 | \$ 1,161,057 \$ \$ 1,182,537 \$ | 1,858,445 \$ | 2,005,226 | 2038 | \$ | 1,226,521 \$ | 1,182,537 \$ 1,8 | 8,445 \$ 2,005,226 |
| 2039 2040 | | \$ 1,249,212 \$ 1,204,414 \$ 1,272,322 \$ 1,226,695 | | | | | 1,204,414 \$ 1,892,826 1,226,695 \$ 1,927,844 | | 2039 | | | \$ 1,204,414 \$ \$ 1,226,695 \$ | | | 2039 2040 | | | | 92,826 \$ 2,042,323 27,844 \$ 2,080,106 |
| 2041 | | \$ 1,295,860 \$ 1,249,389 | \$ 1,963,509 \$ 2,118,5 | 88 | | \$ 1,295,860 \$ | 1,249,389 \$ 1,963,509 | \$ 2,118,588 | 2041 | | \$ 1,295,860 | \$ 1,249,389 \$ | 1,963,509 | 2,118,588 | 2041 | \$ | 1,295,860 \$ | 1,249,389 \$ 1,9 | 53,509 \$ 2,118,588 |
| 2042 2043 | | \$ 1,319,834 \$ 1,272,503 \$ 1,344,250 \$ 1,296,044 | | | | | 1,272,503 \$ 1,999,834 1,296,044 \$ 2,036,830 | | 2042 2043 | | | \$ 1,272,503 \$ \$ 1,296,044 \$ | | | 2042 2043 | | | | 99,834 \$ 2,157,782 36,830 \$ 2,197,701 |
| 2044 2045 | | \$ 1,369,119 \$ 1,320,021 \$ 1,394,448 \$ 1,344,441 | | | | | 1,320,021 \$ 2,074,512 1,344,441 \$ 2,112,890 | | 2044 2045 | | | \$ 1,320,021 \$ \$ 1,344,441 \$ | | | 2044 2045 | | | | 74,512 \$ 2,238,358 12,890 \$ 2,279,768 |
| 2046 | | \$ 1,420,245 \$ 1,369,313 | \$ 2,151,979 \$ 2,321,9 | 44 | | \$ 1,420,245 \$ | 1,369,313 \$ 2,151,979 | \$ 2,321,944 | 2046 | | \$ 1,420,245 | \$ 1,369,313 \$ | 2,151,979 \$ | 2,321,944 | 2046 | \$ | 1,420,245 \$ | 1,369,313 \$ 2,1 | 51,979 \$ 2,321,944 |
| 2047 2048 | | \$ 1,446,520 \$ 1,394,646 \$ 1,473,280 \$ 1,420,447 | | | | | 1,394,646 \$ 2,191,790 1,420,447 \$ 2,232,338 | | 2047 2048 | | \$ 1,446,520 \$ 1,473,280 | \$ 1,394,646 \$ \$ 1,420,447 \$ | | | 2047 2048 | | | | 91,790 \$ 2,364,900 82,338 \$ 2,408,650 |
| 2049 2050 | | \$ 1,500,536 \$ 1,446,725 \$ 1,528,296 \$ 1,473,489 | | | | | 1,446,725 \$ 2,273,637 1,473,489 \$ 2,315,699 | | 2049 2050 | | \$ 1,500,536 \$ 1,528,296 | \$ 1,446,725 \$ | | | 2049 2050 | | | | 73,637 \$ 2,453,210 15,699 \$ 2,498,595 |
| 2030 | | ψ 1,320,230 ψ 1,473,403 | ψ 2,313,033 ψ 2,430,3 | | | \$ 1,520,230 \$ | 2,173,103 \$ 2,313,033 | 2,130,333 | 1050 | | ŷ 1,520,250 | Ų 1,173,103 Ų | , 2,515,655 ¢ | 2,130,333 | 2030 | Ť | 1,520,230 \$ | 1,173,103 \$ 2,3 | 2,430,333 |
| | | | | _ | | | | | | | | | | _ | | | | | |
| 3.1% USD0 | OT Future Discounting Ra | ate | | _ | | | | | | | | | | _ | | | | | |
| | | | | SCAL | ED | | | | | | | | | _ | SCALED | | | | |
| NB/S | SB Arterial Delay No-Build | Concept D Concept C | Concept B Concept A | NB/S | B Arterial Delay No-Build | Concept D Co | ncept C Concept B | Concept A | Intersection | on Delay No-Build | Concept D C | Concept C Co | oncept B Co | oncept A | Intersection | | oncept D Conc | cept C Concept | B Concept A |
| 2030 | \$ | 0 \$6,947,628 \$15,205,461 | \$17,048,467 \$17,048, | | | \$6,632,692 | \$10,995,505 \$12,562,060 | \$12,562,060 | 2030 | \$0 | \$5,138,205 | \$21,129,413 | \$24,953,661 | \$24,953,661 | 2030 | \$0 | \$6,396,756 \$ | \$16,700,176 \$18, | 109,780 \$18,409,780 |
| 2031 2032 | \$ | 0 \$7,638,688 \$15,747,191 0 \$8,281,910 \$16,242,597 | \$17,619,782 \$17,619, \$18,141,327 \$18,141, | | | | \$11,079,216 \$12,666,965 \$11,147,952 \$12,754,204 | | 2031 2032 | \$0 \$0 | | \$21,662,285 \$22,144,009 | \$25,465,364 \$25,923,736 | \$25,465,364 \$25,923,736 | 2031 2032 | \$0 \$0 | | | 98,866 \$18,498,866 665,950 \$18,565,950 |
| 2033 2034 | \$ \$ | 0 \$8,879,545 \$16,693,974 0 \$9,433,753 \$17,103,523 | \$18,615,579 \$18,615, \$19,044,911 \$19,044, | | | \$0 \$7,120,241 \$0 \$7,251,457 | \$11,202,538 \$12,824,746 \$11,243,763 \$12,879,516 | | 2033 2034 | \$0 \$0 | | \$22,577,180 \$22,964,282 | \$26,331,520 \$26,691,345 | \$26,331,520 \$26,691,345 | 2033 2034 | \$0 \$0 | | | \$12,276 \$18,612,276 \$39,031 \$18,639,031 |
| 2035 | \$ | 0 \$9,946,606 \$17,473,351 | \$19,044,911 \$19,044, \$19,431,594 \$19,431, | 94 2035 | | 50 \$7,368,345 | \$11,272,381 \$12,919,394 | | 2035 | \$0 | | \$23,307,694 | \$27,005,725 | \$27,005,725 | 2035 | \$0 | | | 547,350 \$18,647,350 |
| 2036 2037 | \$ \$ | 0 \$10,420,089 \$17,805,476 0 \$10,856,106 \$18,101,831 | \$19,777,806 \$19,777, \$20,085,630 \$20,085, | | | 50 \$7,471,647 50 \$7,562,076 | \$11,289,112 \$12,945,232 \$11,294,647 \$12,957,836 | | 2036 2037 | \$0 \$0 | , . , , | \$23,609,693 \$23,872,459 | \$27,277,069 \$27,507,680 | \$27,277,069 \$27,507,680 | 2036 2037 | \$0 \$0 | | | 538,318 \$18,638,318 512,970 \$18,612,970 |
| 2038 2039 | s | | | 2038 | : | \$7,640,312 | \$11,289,642 \$12,957,978 | | 2038 | | | | \$27,699,763 | \$27,699,763 | 2038 | \$0 | \$8,272,698 \$ | | 72,296 \$18,572,296 |
| 2040 | | 0 \$11,256,483 \$18,364,267 | \$20,357,063 \$20,357, | | | 707 007 | \$11 274 727 \$12 046 20° | \$ 612.046.207 | 2020 | \$0 | | \$24,098,079 | | . ,, | 2020 | ćo | CO 410 AEC C | | 17 240 \$19 517 240 |
| | \$ | 0 \$11,622,968 \$18,594,556 | \$20,357,063 \$20,357, \$20,594,013 \$20,594, \$20,798,310 \$20,798, | 2039 2040 | | \$0 \$7,707,007 \$0 \$7,762,783 | \$11,274,727 \$12,946,397 \$11,250,502 \$12,923,798 | | 2039 2040 | \$0 \$0 | \$10,734,654 | \$24,098,079 \$24,288,548 \$24,445,777 | \$27,855,426 \$27,976,684 | \$27,855,426 \$27,976,684 | 2039 2040 | \$0 \$0 | | | \$17,240 \$18,517,240 \$48,704 \$18,448,704 |
| 2041 2042 | \$ | 0 \$11,622,968 \$18,594,556 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, | 2039 2040 203 2041 | | | \$11,250,502 \$12,923,798 \$11,217,541 \$12,890,85 | \$12,923,798 \$12,890,853 | | \$0 | \$10,734,654 | \$24,288,548 | \$27,855,426 | \$27,855,426 | | \$0 \$0 \$0 \$0 | \$8,549,909 \$8,664,906 \$ | \$16,736,133 \$18, \$16,662,557 \$18, | |
| 2042 2043 | , s s s | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,896 \$18,965,403 0 \$12,535,485 \$19,109,136 0 \$12,782,476 \$19,227,080 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,115, \$21,232,398 \$21,232, | 2039 2040 203 2041 205 2042 2098 2043 | | \$60 \$7,762,783 \$60 \$7,808,238 \$60 \$7,843,941 \$60 \$7,870,437 | \$11,250,502 \$12,923,798 \$11,217,541 \$12,890,85: \$11,176,390 \$12,848,20: \$11,127,573 \$12,796,46: | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 7 \$12,796,467 | 2040 2041 2042 2043 | \$0 \$0 \$0 \$0 | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 | 2040 2041 2042 2043 | \$0 \$0 \$0 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,483,998 \$18, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 170,625 \$18,170,625 |
| 2042 2043 2044 2045 | \$ | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,26,0895 \$18,965,403 0 \$12,535,485 \$19,109,136 0 \$12,782,476 \$19,227,080 0 \$13,003,281 \$19,320,656 0 \$13,199,251 \$19,391,221 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,115, | 2039 2040 203 2041 203 2042 2042 2043 333 2044 334 2045 | | \$0 \$7,762,783 \$0 \$7,808,238 \$0 \$7,843,941 \$0 \$7,870,437 \$0 \$7,888,249 \$0 \$7,897,874 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,890,851 \$11,176,390 \$12,848,201 \$11,127,573 \$12,796,461 \$11,071,587 \$12,736,221 \$11,008,907 \$12,668,036 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 7 \$12,796,467 5 \$12,736,225 5 \$12,668,036 | 2040 2041 2042 2043 2044 2045 | \$0 \$0 \$0 \$0 | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 \$12,472,691 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 | 2040 2041 2042 2043 2044 2045 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ \$8,925,098 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,483,998 \$18, \$16,380,402 \$18, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 |
| 2042 2043 2044 | \$ \$ \$ \$ \$ | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,896 \$18,965,403 0 \$12,535,485 \$19,109,136 0 \$12,782,476 \$19,227,080 0 \$13,003,281 \$19,320,556 0 \$13,992,51 \$19,391,221 0 \$13,992,51 \$19,391,221 0 \$13,371,681 \$19,440,075 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,115, \$21,232,398 \$21,322, \$21,322,833 \$21,322, \$21,328,833 \$21,322, \$21,328,834 \$21,338, \$21,431,200 \$21,431, | 113 2039 110 2040 103 2041 665 2042 998 2043 333 2044 334 2045 100 2046 | | \$0 \$7,762,783 \$0 \$7,808,238 \$0 \$7,843,941 \$0 \$7,870,437 \$0 \$7,888,249 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,890,853 \$11,176,390 \$12,848,201 \$11,127,573 \$12,796,463 \$11,071,587 \$12,736,223 \$11,001,907 \$12,668,031 \$10,939,988 \$12,592,434 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 7 \$12,796,467 5 \$12,736,225 5 \$12,668,036 1 \$12,592,434 | 2040 2041 2042 2043 2044 | \$0 \$0 \$0 \$0 \$0 \$0 | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$12,959,810 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,777,642 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 | 2040 2041 2042 2043 2044 | \$0 \$0 \$0 \$0 | \$8,549,909 \$8,664,906 \$8,765,257 \$8,851,740 \$8,925,098 \$8,986,042 \$9,035,252 | 516,736,133 \$18, 516,662,557 \$18, 516,578,276 \$18, 516,483,998 \$18, 516,380,402 \$18, 516,268,132 \$17, 516,147,805 \$17, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 170,625 \$18,170,625 156,386 \$18,056,386 |
| 2042 2043 2044 2045 2046 2047 2048 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,395 0 \$12,26,089 \$1.98,65,403 0 \$12,535,485 \$19,109,136 0 \$12,782,476 \$19,227,080 0 \$13,003,231 \$193,20,556 0 \$13,199,251 \$19,391,221 0 \$13,371,681 \$19,440,075 0 \$13,521,808 \$19,446,460 0 \$13,521,808 \$19,477,563 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,115, \$21,232,398 \$21,232, \$21,322,833 \$21,232, \$21,388,634 \$21,388, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,870 \$21,451, | 2039 2040 2030 2041 2055 2042 2088 2043 333 2044 334 2045 2040 2046 2047 2047 2048 | | 50 57,762,783 50 57,808,238 50 57,843,941 50 57,870,437 50 57,889,289 50 57,897,874 50 57,899,789 50 57,894,448 50 57,882,286 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,890,851 \$11,176,390 \$12,848,201 \$11,176,573 \$12,796,461 \$11,071,587 \$12,736,222 \$11,008,907 \$12,668,031 \$10,939,988 \$12,599,243 \$10,865,260 \$12,509,922 \$10,785,135 \$12,420,992 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 7 \$12,796,467 7 \$12,766,603 6 \$12,668,036 4 \$12,592,434 5 \$12,509,925 3 \$12,420,993 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 10. \$10,734,654 11.148,053 11.526,886 11.872,859 11.12,472,691 11.12,729,614 11.12,959,810 11.13,164,654 11.13,164,654 11.13,164,654 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,777,642 \$24,794,519 \$24,787,981 \$24,759,419 \$24,759,419 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ \$8,925,098 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,6578,276 \$18, \$16,483,998 \$18, \$16,483,402 \$18, \$16,268,132 \$17, \$16,147,805 \$17, \$16,020,007 \$17, \$15,885,294 \$17, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 70,625 \$18,170,625 518,170,625 518,056,386 \$18,056,386 \$12,589 \$17,932,589 \$17,932,589 \$17,932,589 \$17,932,589 \$17,932,589 \$17,593,002 \$17,659,002 \$17,6 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | S S S S S S S S S S S S S S S S S S S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,996 \$18,965,403 0 \$12,782,476 \$19,127,080 0 \$12,782,476 \$19,127,080 0 \$13,003,281 \$19,320,656 0 \$13,032,81 \$19,320,656 0 \$13,371,681 \$19,440,075 0 \$13,521,808 \$19,448,460 0 \$13,650,818 \$19,477,563 0 \$13,550,818 \$19,477,563 0 \$13,559,845 \$19,468,518 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,798,310 \$20,791, \$21,115,865 \$21,115, \$21,323,98 \$21,322, \$21,338,634 \$21,338, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,921 \$21,451, \$21,451,921 \$21,451, \$21,432,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,334,997 \$21,334 | 2039 2040 2040 2041 2050 2042 2043 2043 2044 2045 2046 2046 2047 2047 2049 2050 | | 50 57,762,783 50 57,808,238 57,808,3941 50 57,839,441 50 57,839,787 57,839,789 50 57,839,789 50 57,839,789 50 57,839,789 50 57,839,749 50 57,839,749 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,880,851 \$11,176,390 \$12,848,201 \$11,127,573 \$12,796,461 \$11,071,587 \$12,736,221 \$11,088,907 \$12,668,031 \$10,939,988 \$12,592,434 \$10,885,260 \$12,509,922 \$10,783,135 \$12,420,992 \$10,700,005 \$12,326,693 \$10,000,005 \$12,326,693 \$10,000,005 \$12,326,693 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 5 \$12,796,467 5 \$12,736,625 6 \$12,592,434 6 \$12,509,925 8 \$12,420,993 9 \$12,226,699 8 \$12,226,693 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$10,734,654 \$11,148,053 \$11,526,886 \$11,1872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$13,2959,810 \$13,164,654 \$13,353,464 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,735,890 \$24,775,642 \$24,794,519 \$24,789,419 \$24,759,419 \$24,70,165 \$24,641,889 \$24,554,602 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | 50 50 50 50 50 50 50 50 50 50 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ \$8,925,098 \$ \$8,986,042 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ \$9,110,043 \$ \$9,118,841 \$ \$9,127,342 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,578,276 \$18, \$16,380,402 \$18, \$16,268,132 \$17, \$16,147,805 \$17, \$16,020,007 \$17, \$15,585,294 \$17, \$15,544,200 \$17, \$15,597,228 \$17, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 170,625 \$18,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 517,193,259 99,912 \$17,799,912 517,799,912 517,510,472 517,110,472 517,110,472 517,110,472 517,110,472 517,110,471 517,1 |
| 2042 2043 2044 2045 2046 2047 2048 2049 | S S S S S S S S S S S S S S S S S S S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,896 \$18,965,403 0 \$12,535,485 \$19,109,136 0 \$12,782,476 \$19,227,080 0 \$13,109,251 \$19,320,656 0 \$13,992,51 \$19,391,221 0 \$13,521,808 \$19,440,075 0 \$13,521,808 \$19,448,460 0 \$13,521,808 \$19,488,460 0 \$13,759,845 \$19,468,518 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,771,703 \$20,971, \$21,115,865 \$21,131, \$21,322,933 \$21,322, \$21,322,833 \$21,322, \$21,332,833 \$21,324, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,921 \$21,451, \$21,451,921 \$21,451, | 2039 2040 2041 2041 2059 2042 2043 2043 2044 2045 2046 2047 2047 2047 2049 2050 | | 50 57,762,783 50 57,808,238 57,808,3941 50 57,839,441 50 57,839,787 57,839,789 50 57,839,789 50 57,839,789 50 57,839,789 50 57,839,749 50 57,839,749 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,890,851 \$11,127,543 \$12,880,851 \$11,127,573 \$12,796,461 \$11,071,587 \$12,736,221 \$11,008,970 \$12,686,300 \$10,039,988 \$12,592,43 \$10,846,260 \$12,509,922 \$10,785,135 \$12,420,991 \$10,700,005 \$12,326,099 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 5 \$12,796,467 5 \$12,736,625 6 \$12,592,434 6 \$12,509,925 8 \$12,420,993 9 \$12,226,699 8 \$12,226,693 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | 10 \$10,734,654 11,148,053 111,526,886 11,526,886 11,526,886 11,272,691 11,272,691 11,272,691 11,272,691 11,272,614 11,272,614 11,272,614 11,272,614 11,345,465 11,345,464 11,345,464 11,345,464 11,345,464 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,735,890 \$24,775,642 \$24,794,519 \$24,789,419 \$24,759,419 \$24,70,165 \$24,641,889 \$24,554,602 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | 50 50 50 50 50 50 50 50 50 50 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ \$8,925,098 \$ \$8,986,042 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ \$9,110,043 \$ \$9,118,841 \$ \$9,127,342 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,578,276 \$18, \$16,380,402 \$18, \$16,268,132 \$17, \$16,147,805 \$17, \$16,020,007 \$17, \$15,585,294 \$17, \$15,544,200 \$17, \$15,597,228 \$17, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 156,386 \$18,056,386 152,589 \$17,922,589 179,912 \$17,759,912 559,002 \$17,659,002 \$17,472 \$17,510,472 \$17,554,910 \$17,354,910 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | S S S S S S S S S S S S S S S S S S S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,996 \$18,965,403 0 \$12,782,476 \$19,127,080 0 \$12,782,476 \$19,127,080 0 \$13,003,281 \$19,320,656 0 \$13,032,81 \$19,320,656 0 \$13,371,681 \$19,440,075 0 \$13,521,808 \$19,448,460 0 \$13,650,818 \$19,477,563 0 \$13,550,818 \$19,477,563 0 \$13,559,845 \$19,468,518 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,798,310 \$20,791, \$21,115,865 \$21,115, \$21,323,98 \$21,322, \$21,338,634 \$21,338, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,921 \$21,451, \$21,451,921 \$21,451, \$21,432,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,432, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,332,574 \$21,332, \$21,334,997 \$21,334 | 2039 2040 2041 2041 2059 2042 2043 2043 2044 2045 2046 2047 2047 2047 2049 2050 | | 50 57,762,783 50 57,808,238 57,808,3941 50 57,839,441 50 57,839,787 57,839,789 50 57,839,789 50 57,839,789 50 57,839,789 50 57,839,749 50 57,839,749 | \$11,250,502 \$12,923,791 \$11,217,541 \$12,880,851 \$11,176,390 \$12,848,201 \$11,127,573 \$12,796,461 \$11,071,587 \$12,736,221 \$11,088,907 \$12,668,031 \$10,939,988 \$12,592,434 \$10,885,260 \$12,509,922 \$10,783,135 \$12,420,992 \$10,700,005 \$12,326,693 \$10,000,005 \$12,326,693 \$10,000,005 \$12,326,693 | 3 \$12,923,798 3 \$12,890,853 5 \$12,848,205 5 \$12,796,467 5 \$12,736,625 6 \$12,592,434 6 \$12,509,925 8 \$12,420,993 9 \$12,226,699 8 \$12,226,693 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$10,734,654 \$11,148,053 \$11,526,886 \$11,1872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$13,2959,810 \$13,164,654 \$13,353,464 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,735,890 \$24,775,642 \$24,794,519 \$24,789,419 \$24,759,419 \$24,70,165 \$24,641,889 \$24,554,602 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | 50 50 50 50 50 50 50 50 50 50 | \$8,549,909 \$ \$8,664,906 \$ \$8,765,257 \$ \$8,851,740 \$ \$8,925,098 \$ \$8,986,042 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ \$9,110,043 \$ \$9,118,841 \$ \$9,127,342 \$ | \$16,736,133 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,578,276 \$18, \$16,380,402 \$18, \$16,268,132 \$17, \$16,147,805 \$17, \$16,020,007 \$17, \$15,585,294 \$17, \$15,544,200 \$17, \$15,597,228 \$17, | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 170,625 \$18,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 518,170,625 517,193,259 99,912 \$17,799,912 517,799,912 517,510,472 517,110,472 517,110,472 517,110,472 517,110,472 517,110,471 517,1 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,896 \$18,965,403 0 \$12,2635,485 \$19,109,136 0 \$12,782,476 \$19,227,080 0 \$13,999,51 \$19,320,656 0 \$13,999,51 \$19,391,221 0 \$13,371,681 \$19,460,075 \$13,521,808 \$19,468,460 0 \$13,521,808 \$19,477,563 0 \$13,759,845 \$19,468,518 0 \$13,759,845 \$19,468,518 0 \$13,759,845 \$19,468,518 0 \$13,759,845 \$19,468,518 0 \$33,849,975 \$19,462,679 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,131, \$21,232,398 \$21,322, \$21,322,833 \$21,322, \$21,322,833 \$21,322, \$21,322,833 \$21,324, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,921 \$21,451, \$21,431,921 \$21,451, \$21,431,921 \$21,451, \$21,431,921 \$21,431, \$21,394,997 \$21,394, \$407,660,011 \$407,660,01 | 2039 2040 2041 2042 2042 2043 2044 2045 2047 2047 2048 2049 2050 111 | NL Congestion | 50 S7,762,783 50 S7,808,238 57,808,238 57,870,437 50 S7,870,437 50 S7,878,274 50 S7,878,274 50 S7,897,878 50 S7,893,789 50 S7,893,789 50 S7,883,141 50 S7,883,141 50 S7,839,141 5152,357,596 | \$11,250,502 \$12,923,791 \$12,890,851 \$11,217,541 \$12,890,851 \$11,176,340 \$12,848,200 \$11,147,573 \$12,796,461 \$11,071,587 \$12,736,221 \$10,083,970 \$12,668,300 \$12,362,600 \$12,083,970 \$12,668,300 \$12,326,099 \$10,861,35 \$12,420,992 \$10,700,005 \$12,326,099 \$10,610,244 \$12,225,681 \$221,847,109 \$254,790,984 \$221,847,109 \$254,790,984 | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 \$ \$12,848,205 \$ \$12,796,467 \$ \$12,736,225 \$ \$12,668,036 \$ \$12,592,434 \$ \$12,509,925 \$ \$12,25,693 \$ \$12,225,683 \$ \$22,4790,984 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,060 \$12,472,691 \$12,729,614 \$12,729,614 \$13,345,664 \$13,345,664 \$13,503,498 \$13,503,498 \$215,508,718 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,777,642 \$24,787,981 \$24,789,419 \$24,710,165 \$24,641,489 \$24,534,602 \$479,971,044 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,152,900 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,666 \$27,811,492 \$27,681,816 \$549,876,583 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$8,549,909 \$ \$8,664,906 \$ \$8,654,257 \$ \$8,851,740 \$ \$8,925,098 \$ \$9,035,252 \$ \$9,035,252 \$ \$9,037,378 \$ \$9,101,043 \$ \$9,118,841 \$ \$9,127,342 \$ \$\$167,124,853 \$3 | \$16,736,133 \$18, \$16,662,557 \$18, \$16,662,557 \$18, \$16,843,998 \$18, \$16,483,998 \$18, \$16,380,002 \$18, \$16,286,132 \$17, \$16,147,805 \$17, \$16,020,007 \$17, \$15,597,228 \$17, \$15,597,228 \$17, \$30,275,063 \$364,6 | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 156,386 \$18,056,386 152,589 \$17,922,589 199,912 \$17,799,912 590,002 \$17,659,002 \$17,510,472 \$17,510,472 \$17,191,472 \$17,191,471 \$1 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | S S S S S S S S S S S S S S S S S S S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,395 0 \$12,260,899 \$1.9,89,5403 0 \$12,260,899 \$1.9,89,5403 0 \$12,782,476 \$19,127,080 0 \$13,003,231,81 \$19,320,656 0 \$13,09,251 \$19,391,221 0 \$13,371,681 \$19,440,075 0 \$13,521,808 \$19,446,407 0 \$13,579,845 \$19,468,450 0 \$13,759,845 \$19,468,450 0 \$13,759,845 \$19,468,450 0 \$13,759,845 \$19,468,750 0 \$13,759,845 \$19,468,750 0 \$13,849,757 \$19,468,470 0 \$232,228,900 \$368,231,679 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,798,310 \$20,791, \$21,115,865 \$21,115, \$21,232,398 \$21,322, \$21,388,634 \$21,388, \$21,431,200 \$21,431, \$21,431,201 \$21,431, \$21,431,201 \$21,431, \$21,431,201 \$21,431, \$21,431,201 \$21,431, \$21,431,201 \$21,431, \$21,432,574 \$21,432, \$21,349,97 \$21,334, \$407,660,011 \$407,660,0 \$407,660,011 \$407,660,0 \$22,175,366 \$23,412,0 \$22,175,366 \$23,412,0 \$20,788,000,000,000,000,000,000,000,000,00 | 2039 2040 2041 2052 2042 2043 2043 2043 2044 2045 2046 2046 2047 2047 2047 2049 2050 2049 2050 2049 2050 2049 2049 2050 2049 2049 2050 2049 2049 2049 2049 2050 2049 2049 2049 2049 2049 2049 2049 204 | ML S | 50 57,762,783 50,805,808,238 57,808,391 50,870,437 50,870,437 50,57,897,874 50,57,897,879 50,57,897,879 50,57,897,879 50,57,897,879 50,57,893,789 50,57,893,719 50,57,893,719 50,57,893,719 50,57,893,719 5152,357,596 5152,357,596 | \$11,250,502 \$12,923,791 \$12,800,851 \$11,175,41 \$12,880,851 \$11,176,340 \$12,848,200 \$11,176,757 \$12,796,461 \$11,071,587 \$12,746,242 \$11,071,587 \$12,746,242 \$11,083,978 \$12,509,329 \$12,668,308,310,381,389 \$12,509,329 \$10,783,135 \$10,780,135 \$10,780,135 \$10,780,135 \$10,780,135 \$10,780,0005 \$12,325,698 \$12,225,688 \$221,847,109 \$254,790,984 | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 \$ \$12,786,457 \$ \$12,736,225 \$ \$12,736,225 \$ \$12,736,225 \$ \$12,736,225 \$ \$12,509,925 \$ \$12,250,993 \$ \$12,236,099 \$ \$12,225,683 \$ \$254,790,984 \$ \$254,790,984 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$12,729,614 \$12,729,614 \$13,164,654 \$13,345,464 \$13,503,488 \$13,639,964 \$215,508,718 \$215,508,718 \$14,635,114 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,735,890 \$24,777,642 \$24,787,981 \$24,789,419 \$24,710,165 \$24,641,489 \$24,534,602 \$479,971,044 | \$27,855,426 \$27,976,684 \$28,055,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,152,900 \$28,131,510 \$28,033,93 \$28,013,82 \$27,921,606 \$27,911,492 \$27,611,816 \$549,876,583 \$549,876,583 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | 50 50 50 50 50 50 50 50 50 50 50 50 50 5 | \$8,549,909 \$ \$8,664,906 \$ \$8,664,906 \$ \$8,831,740 \$ \$8,925,098 \$ \$8,985,042 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ \$9,127,342 \$ \$9,127,342 \$ \$5167,124,853 \$3 14,635,114 \$ | \$16,736,133 \$18, \$18, \$16,662,557 \$18, \$16,662,557 \$18, \$16,682,557 \$18, \$16,782,76 \$18, \$16,782,76 \$18, \$16,380,002 \$18, \$16,380,002 \$18, \$16,380,007 \$17, \$16,020,007 \$17, \$15,585,294 \$17, \$15,585,294 \$17, \$15,585,295 \$17, \$30,275,063 \$364,000 \$17, \$15,585,295 \$17, \$15,700,000 \$17, \$15,585,295 \$18, \$15,855,295 \$17, \$15,585,295 \$18,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$18,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15,585,295 \$17, \$15, | 148,704 \$18,448,704 675,549 \$18,367,549 518,367,549 518,170,625 \$18,170,625 563,386 \$18,056,386 519,592,589 519,912 \$17,799,912 517,799,912 517,150,472 517,510,472 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | S S S S S S S S S S S S S S T S S T S S T S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,899 \$18,965,403 0 \$12,762,969 \$18,965,403 0 \$12,782,476 \$19,127,080 0 \$13,003,281 \$19,320,656 0 \$13,003,281 \$19,320,656 0 \$13,199,251 \$19,391,221 0 \$13,371,681 \$19,440,075 0 \$13,571,883 \$19,440,075 0 \$13,571,883 \$19,440,075 0 \$13,579,845 \$19,440,075 0 \$232,228,900 \$368,231,679 \$232,228,900 \$368,231,679 \$246,854,014 \$382,341,960 \$9,000,000 \$110,000,000 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,798,310 \$20,791, \$21,115,865 \$21,115, \$21,232,398 \$21,322, \$21,388,634 \$21,388, \$21,431,200 \$21,431, \$21,451,870 \$21,431, \$21,451,921 \$21,451, \$21,451,921 \$21,451, \$21,432,574 \$21,432, \$407,660,011 \$407,660,0 \$407,660,011 \$407,660,0 \$22,175,366 \$23,412, \$429,835,377 \$431,072, \$130,000,000 \$160,000,00 | 2039 2040 2041 2041 2059 2042 2043 333 2044 344 2045 2046 2046 2047 2047 2047 2047 2049 2050 TOTA | Congestion Safety Total Benefit Low Cost | 50 57,762,783 50 57,808,238 57,808,238 57,870,437 50 57,870,437 50 57,897,874 50 57,897,874 50 57,899,789 50 57,892,286 50 57,883,219 50 57,883,219 50 57,883,219 50 57,883,111 5152,357,596 514,635,114 5166,992,710 \$90,000,000 \$ | \$11,250,502 \$12,923,791 \$12,890,851 \$11,175,340 \$12,884,200 \$11,176,340 \$12,848,200 \$11,176,730 \$12,766,461 \$11,071,587 \$12,766,201 \$10,089,907 \$12,668,031 \$10,086,260 \$12,360,998 \$10,865,260 \$12,509,921 \$10,780,135 \$12,420,991 \$10,780,135 \$12,420,991 \$10,780,135 \$12,420,991 \$10,610,244 \$12,225,681 \$221,847,109 \$254,790,984 \$224,847,109 \$254,790,984 \$221,847,109 \$254,790,984 \$1,110,281 \$22,175,366 \$235,957,390 \$276,966,350 \$110,000,000 \$130,000,000 \$130,000,000 | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 \$ \$12,848,205 \$ \$12,796,467 \$ \$12,796,467 \$ \$12,796,225 \$ \$12,668,036 \$ \$12,599,225 \$ \$12,225,683 \$ \$12,225,683 \$ \$254,790,984 \$ \$254,790,984 \$ \$254,790,984 \$ \$278,203,708 \$ \$160,000,000 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Solution Solution Safety Congestion Safety Total Benefit Low Cost | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$12,729,614 \$12,729,614 \$13,1504,684 \$13,303,488 \$13,303,488 \$13,303,488 \$13,639,964 \$215,508,718 \$215,508,718 \$215,508,718 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,775,692 \$24,777,642 \$24,794,519 \$24,787,981 \$24,789,419 \$24,710,165 \$24,641,489 \$24,54,602 \$479,971,044 \$479,971,044 \$14,110,281 \$494,081,325 \$110,000,000 \$110,000,000 | \$27,855,426 \$27,976,684 \$28,055,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$24,075,366 \$572,051,948 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,152,900 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$24,817,583 \$24,817,583 \$25,818,165 \$27,8 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$8,549,909 \$ \$8,664,906 \$ \$8,664,906 \$ \$8,875,257 \$ \$8,831,740 \$ \$8,925,098 \$ \$8,986,042 \$ \$9,035,252 \$ \$9,073,378 \$ \$9,101,043 \$ \$9,127,342 \$ \$9,127,342 \$ \$167,124,853 \$3 14,635,114 \$ \$181,759,967 \$3 90,000,000 \$ 1 | \$16,736,133 \$18, \$18, \$16,662,557 \$18, \$16,662,557 \$18, \$16,678,276 \$18, \$16,483,998 \$18, \$16,483,998 \$18, \$16,380,002 \$18, \$16,380,007 \$17, \$16,020,007 \$17, \$15,597,228 \$17, \$30,275,063 \$364,007 \$17, \$15,597,228 \$17, \$15,597,2 | 148,704 \$18,448,704 167,549 \$18,367,549 \$18,274,595 \$18,274,595 \$18,274,595 \$18,170,625 \$16,365 \$18,170,625 \$16,365 \$18,170,625 \$16,386 \$18,056,386 \$17,932,589 \$17,932,589 \$17,932,589 \$17,932,589 \$17,799,912 \$17,510,472 \$17,510,472 \$17,510,472 \$17,510,472 \$17,510,472 \$17,910 \$17,354,910 \$17,354,910 \$2,871 \$17,192,871 \$71,913 \$364,071,913 \$364,071,913 \$364,071,913 \$37,366 \$23,412,724 \$47,278 \$387,484,637 \$00,000 \$160,000,000 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTA | S S S S S S S S S S S S S S S S S S S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,899 \$18,965,403 0 \$12,260,899 \$18,965,403 0 \$12,782,476 \$19,227,080 0 \$12,782,476 \$19,227,080 0 \$13,999,251 \$19,391,221 0 \$13,371,681 \$19,440,075 0 \$13,521,808 \$19,468,460 0 \$13,650,818 \$19,477,563 0 \$13,759,845 \$19,468,518 0 \$13,759,845 \$19,468,518 0 \$13,759,845 \$19,462,670 0 \$222,228,900 \$368,231,679 \$232,228,900 \$368,231,679 \$246,864,014 \$382,341,960 \$90,000,000 \$110,000,000 \$120,000,000 \$110,000,000 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,971,703 \$20,971, \$21,115,865 \$21,131, \$21,232,398 \$21,232, \$21,322,833 \$21,232, \$21,322,833 \$21,232, \$21,322,833 \$21,334, \$21,431,200 \$21,431, \$21,451,870 \$21,451, \$21,451,921 \$21,451, \$21,451,921 \$21,451, \$21,432,574 \$21,432, \$21,394,997 \$21,334, \$407,660,011 \$407,660, \$407,660,011 \$407,660, \$22,775,366 \$23,412, \$429,835,377 \$431,072, \$130,000,000 \$160,000, \$165,000,000 \$210,000,000 | 2039 2040 2041 2041 2059 2042 2043 333 2044 344 2045 2046 2046 2047 2047 2047 2047 2049 2050 TOTA | Congestion Safety Total Benefit Low Cost High Cost | \$10. \$7,762,783 \$00. \$7,808,238 \$57,808,238 \$57,870,437 \$00. \$7,870,437 \$00. \$7,888,249 \$00. \$7,837,874 \$00. \$7,837,874 \$00. \$7,839,789 \$00. \$7,839,141 \$00. \$7,839,141 \$00. \$152,357,596 \$152,357,596 \$152,357,596 \$16,6992,710 \$90,000,000 \$120,000,000 \$120,000,000 \$120,000,000 | \$11,250,502 \$12,923,791 \$12,880,851 \$11,175,41 \$12,880,851 \$11,176,340 \$12,848,200 \$11,147,573 \$12,796,461 \$11,071,587 \$12,736,221 \$11,008,970 \$12,686,300 \$12,326,993 \$10,085,260 \$12,226,993 \$10,681,260 \$12,225,681 \$221,847,109 \$254,790,984 \$11,0281 \$221,847,109 \$254,790,984 \$11,0281 \$221,75,366 \$235,957,390 \$276,966,350 \$10,000,000 \$130,000,000 \$130,000,000 \$150,000 \$150,000 \$15 | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 \$ \$12,848,205 \$ \$12,796,467 \$ \$12,736,225 \$ \$12,668,025 \$ \$12,668,025 \$ \$12,659,925 \$ \$12,25,699 \$ \$12,225,683 \$ \$254,790,984 \$ \$278,203,708 \$ \$160,000,000 \$ \$210,000,000 \$ \$210,000,000 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Solution Sol | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,069 \$12,472,691 \$12,729,614 \$13,345,464 \$13,503,498 \$13,639,964 \$215,508,718 \$14,635,114 \$230,143,832 \$90,000,000 \$120,000,000 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,677,739 \$24,777,642 \$24,794,519 \$24,787,941 \$24,789,419 \$24,759,419 \$24,701,105 \$24,641,489 \$24,554,602 \$479,971,044 \$14,110,281 \$494,081,325 \$110,000,000 \$110,000,000 \$110,000,000 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,154,994 \$28,131,510 \$28,038,383 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$24,175,366 \$572,051,948 \$130,000,000 \$165,000,000 | \$27,855,426 \$27,976,684 \$28,055,468 \$28,055,468 \$28,123,619 \$28,152,900 \$28,152,900 \$28,131,510 \$28,033,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$342,724 \$549,876,583 \$549,876,583 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 | \$8,549,909 \$ \$8,664,906 \$ \$8,654,527 \$ \$8,851,740 \$ \$8,925,098 \$ \$9,035,252 \$ \$9,035,252 \$ \$9,035,252 \$ \$9,037,378 \$ \$9,110,43 \$ \$9,112,342 \$ \$167,124,853 \$3 \$14,635,114 \$ \$181,759,967 \$3 90,000,000 \$ 1 120,000,000 \$ 1 | \$16,736,133 \$18, \$18, \$16,662,557 \$18, \$16,662,557 \$18, \$16,578,276 \$18, \$16,483,998 \$18, \$16,480,002 \$18, \$16,980,002 \$18, \$16,980,007 \$17, \$15,60,20,007 \$17, \$15,597,228 \$17, \$30,275,063 \$364,(\$14,110,281 \$22,144,385,344 \$386,2,10,000,000 \$130,(40,000,000 \$130,(40,000,000 \$165,(65,675) | 148,704 \$18,448,704 167,549 \$18,367,549 174,595 \$18,274,595 158,274,595 \$18,170,625 156,386 \$18,056,386 151,056,386 \$18,056,386 151,799,912 \$17,799,912 159,002 \$17,659,002 151,7510,472 151,791,10,472 151,791,10,472 151,791,10,472 151,791,10,472 151,791,10,472 151,791,10,472 151,791,10,472 151,791,871 171,913 \$364,071,913 171,913 \$364,071,913 173,366 \$23,412,724 47,278 \$387,484,637 00,000 \$160,000,000 \$160,000,000 \$210,000 |
| 2042 2043 2044 2045 2046 2047 2048 2049 2050 | S S S S S S S S S S S S S S T S S T S S T S | 0 \$11,622,968 \$18,594,556 0 \$11,957,237 \$18,794,394 0 \$12,260,899 \$18,965,403 0 \$12,762,969 \$18,965,403 0 \$12,782,476 \$19,127,080 0 \$13,003,281 \$19,320,656 0 \$13,003,281 \$19,320,656 0 \$13,199,251 \$19,391,221 0 \$13,371,681 \$19,440,075 0 \$13,571,883 \$19,440,075 0 \$13,571,883 \$19,440,075 0 \$13,579,845 \$19,440,075 0 \$232,228,900 \$368,231,679 \$232,228,900 \$368,231,679 \$246,854,014 \$382,341,960 \$9,000,000 \$110,000,000 | \$20,594,013 \$20,594, \$20,798,310 \$20,798, \$20,798,310 \$20,791, \$21,115,865 \$21,115, \$21,232,398 \$21,322, \$21,388,634 \$21,388, \$21,431,200 \$21,431, \$21,451,870 \$21,431, \$21,451,921 \$21,451, \$21,431,200 \$21,431, \$21,431,200 \$21,431, \$407,660,011 \$407,660,0 \$407,660,011 \$407,660,0 \$22,175,366 \$23,412, \$429,835,377 \$431,072, \$130,000,000 \$160,000,00 | 2039 2040 2041 2041 2059 2042 2043 333 2044 344 2045 2046 2046 2047 2047 2047 2047 2049 2050 TOTA | Congestion Safety Total Benefit Low Cost | 50 57,762,783 50 57,808,238 57,808,238 57,870,437 50 57,870,437 50 57,897,874 50 57,897,874 50 57,899,789 50 57,892,286 50 57,883,219 50 57,883,219 50 57,883,219 50 57,883,111 5152,357,596 514,635,114 5166,992,710 \$90,000,000 \$ | \$11,250,502 \$12,923,791 \$12,890,851 \$11,175,340 \$12,884,200 \$11,176,340 \$12,848,200 \$11,176,730 \$12,766,461 \$11,071,587 \$12,766,201 \$10,089,907 \$12,668,031 \$10,086,260 \$12,360,998 \$10,865,260 \$12,509,921 \$10,780,135 \$12,420,991 \$10,780,135 \$12,420,991 \$10,780,135 \$12,420,991 \$10,610,244 \$12,225,681 \$221,847,109 \$254,790,984 \$224,847,109 \$254,790,984 \$221,847,109 \$254,790,984 \$1,110,281 \$22,175,366 \$235,957,390 \$276,966,350 \$110,000,000 \$130,000,000 \$130,000,000 | \$ \$12,923,798 \$ \$12,890,853 \$ \$12,848,205 \$ \$12,848,205 \$ \$12,796,467 \$ \$12,796,467 \$ \$12,796,225 \$ \$12,668,036 \$ \$12,599,225 \$ \$12,225,683 \$ \$12,225,683 \$ \$254,790,984 \$ \$254,790,984 \$ \$254,790,984 \$ \$278,203,708 \$ \$160,000,000 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Solution Solution Safety Congestion Safety Total Benefit Low Cost | \$10,734,654 \$11,148,053 \$11,526,886 \$11,872,859 \$12,187,606 \$12,472,691 \$12,729,614 \$12,729,614 \$12,729,614 \$13,1504,684 \$13,303,488 \$13,303,488 \$13,303,488 \$13,639,964 \$215,508,718 \$215,508,718 \$215,508,718 | \$24,288,548 \$24,445,777 \$24,571,591 \$24,667,739 \$24,775,692 \$24,777,642 \$24,794,519 \$24,787,981 \$24,789,419 \$24,710,165 \$24,641,489 \$24,54,602 \$479,971,044 \$479,971,044 \$14,110,281 \$494,081,325 \$110,000,000 \$110,000,000 | \$27,855,426 \$27,976,684 \$28,055,468 \$28,123,619 \$28,152,900 \$28,154,994 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$24,075,366 \$572,051,948 | \$27,855,426 \$27,976,684 \$28,065,468 \$28,123,619 \$28,152,900 \$28,152,900 \$28,131,510 \$28,083,983 \$28,013,882 \$27,922,606 \$27,811,492 \$27,681,816 \$549,876,583 \$24,817,583 \$24,817,583 \$25,818,165 \$27,8 | 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$8,549,909 \$ \$8,664,906 \$ \$8,664,906 \$ \$8,875,257 \$ \$8,881,740 \$ \$8,925,098 \$ \$9,935,252 \$ \$9,035,252 \$ \$9,035,252 \$ \$9,037,378 \$ \$9,101,043 \$ \$9,127,342 \$ \$9,127,342 \$ \$\$167,124,853 \$3. 14,635,114 \$ \$181,759,967 \$3. 90,000,000 \$ 1 120,000,000 \$ 1 2,02 | \$16,736,133 \$18, \$18, \$16,662,557 \$18, \$16,662,557 \$18, \$16,678,276 \$18, \$16,483,998 \$18, \$16,483,998 \$18, \$16,380,002 \$18, \$16,380,007 \$17, \$16,020,007 \$17, \$15,597,228 \$17, \$30,275,063 \$364,007 \$17, \$15,597,228 \$17, \$15,597,2 | 148,704 \$18,448,704 167,549 \$18,367,549 1518,367,549 1518,367,549 1518,274,595 1518,170,625 156,386 \$18,056,386 151,932,589 179,9312 \$17,799,912 177,510,472 157,509,002 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,510,472 17,913 \$364,071,913 71,913 \$364,071,913 71,913 \$364,071,913 75,366 \$23,412,724 47,278 \$387,484,637 00,000 \$160,000,000 00,000 \$210,000,000 17 2.42 |

10.4% daily truck percentage - US 23 8.5% daily truck percentage - intersections (all vehicles)

\$22.22 weighted average value of time - US 23 \$21.76 weighted average value of time - intersections/all vehicles

Values for Input into USDOT Cost-Benefit Spreadsheet

| Values for Input into US | SDOT Cost-Benefit Spreads | dsneet | | | | | | | | | | | |
|---|---|--|---|--|---|---|---|---|---|---|--|--|--|
| | | | | | SCALED | | | | | | | SCALED | |
| NB/SB Arteri | rial Delay | | | | NB/SB Arterial Delay | | | Intersection Delay | | | | Intersection Delay | |
| | No-Build Conce | ept D Concept C Co | ncept B Concept A | | No-Build | Concept D Concept C | Concept B Concept A | | No-Build Con | ncept D Concept C | Concept B Concept A | | No-Build Concept D Concept C Concept B Concept A |
| 2030 \$6,436,62 | 21 \$0 \$2 | \$2,878,414 \$4,067,009 | \$6,436,621 \$6,436,62 | 1 | 2030 \$5,381,588 \$0 | \$2,357,112 \$3,367,41 | 8 \$5,381,588 \$5,38 | | 8,143 \$0 | \$4,574,021 \$7,846,176 | \$11,508,143 \$11,508,143 | 2030 \$9,619,8 | 60 \$0 \$3,725,857 \$6,507,188 \$9,619,860 \$9,619,860 |
| 2031 \$6,640,55 | | \$2,988,572 \$4,181,690 | \$6,640,559 \$6,640,55 | | 2031 \$5,530,843 \$0 | | | | -, | \$4,748,662 \$8,058,165 | \$11,800,471 \$11,800,471 | 2031 9,850,7 | \$0 \$3,856,744 \$6,669,821 \$9,850,781 \$9,850,781 |
| 2032 \$6,844,49 | | \$3,098,729 \$4,296,370 | \$6,844,497 \$6,844,49 | | 2032 \$5,680,098 \$0 | | | | | \$4,923,303 \$8,270,154 | \$12,092,800 \$12,092,800 | 2032 \$10,01,7 | \$0 \$3,987,630 \$6,832,454 \$10,081,703 \$10,081,703 |
| 2033 \$7,048,43 | | \$3,208,887 \$4,411,051 | \$7,048,435 \$7,048,43 | | 2033 \$5,829,353 \$0 | | | | | \$5,097,944 \$8,482,143 | \$12,385,128 \$12,385,128 | 2033 \$10,312,0 | \$0 \$4,118,517 \$6,995,087 \$10,312,624 \$10,312,624 |
| 2034 \$7,252,37 2035 \$7,456.31 | | \$3,319,045 \$4,525,731 | \$7,252,373 \$7,252,37 | | 2034 \$5,978,608 \$0 2035 \$6.127,863 \$0 | | | | | \$5,272,585 \$8,694,133 \$5,447,226 \$8,906,122 | \$12,677,456 \$12,677,456 | 2034 \$10,543,5 2035 \$10,774.4 | 45 \$0 \$4,249,404 \$7,157,720 \$10,543,545 \$10,543,545 |
| 2036 \$7,456,31 | ,- | \$3,429,202 \$4,640,412 \$3,539,360 \$4,755,092 | \$7,456,311 \$7,456,31 \$7,660,250 \$7,660,25 | | 2035 \$6,127,863 \$0 2036 \$6,277,118 \$0 | | | | 9,784 \$0 2.113 \$0 | \$5,447,226 \$8,906,122 \$5,621,867 \$9,118,111 | \$12,969,784 \$12,969,784 \$13,262,113 \$13,262,113 | 2035 \$10,774,4 2036 \$11,005.3 | 77 77-7-1-1 |
| 2037 \$7,864,18 | | \$3,649,517 \$4,869,773 | \$7,864,188 \$7,864,18 | | 2037 \$6,426,373 \$0 | | | | | \$5,796,508 \$9,330,100 | \$13,554,441 \$13,554,441 | 2037 \$11,236,3 | |
| 2038 \$8,068,12 | | \$3,759,675 \$4,984,453 | \$8,068,126 \$8,068,12 | | 2038 \$6.575.628 \$0 | | | | 5.769 \$0 | \$5,971,149 \$9,542,090 | \$13,846,769 \$13,846,769 | 2038 \$11,467.2 | |
| 2039 \$8,272,06 | | \$3,869,832 \$5,099,134 | \$8,272,064 \$8,272,06 | | 2039 \$6,724,883 \$0 | | | | | \$6,145,790 \$9,754,079 | \$14,139,097 \$14,139,097 | 2039 \$11,698,1 | |
| 2040 \$8,476,00 | | \$3,979,990 \$5,213,815 | \$8,476,002 \$8,476,00 | | 2040 \$6,874,138 \$0 | | | | | \$6,320,430 \$9,966,068 | \$14,431,426 \$14,431,426 | 2040 \$11,929,0 | |
| 2041 \$8,679,94 | 40 \$0 \$4 | \$4,090,147 \$5,328,495 | \$8,679,940 \$8,679,94 | 0 | 2041 \$7,023,393 \$0 | \$3,148,386 \$4,197,65 | 3 \$7,023,393 \$7,02 | 393 2041 \$14,72 | 3,754 \$0 | \$6,495,071 \$10,178,057 | \$14,723,754 \$14,723,754 | 2041 \$12,159,9 | 92 \$0 \$5,165,612 \$8,296,150 \$12,159,992 \$12,159,992 |
| 2042 \$8,883,87 | 78 \$0 \$4 | \$4,200,305 \$5,443,176 | \$8,883,878 \$8,883,87 | 8 | 2042 \$7,172,648 \$0 | \$3,220,320 \$4,273,12 | 9 \$7,172,648 \$7,17 | 648 2042 \$15,01 | 5,082 \$0 | \$6,669,712 \$10,390,047 | \$15,016,082 \$15,016,082 | 2042 \$12,390,9 | \$0 \$5,296,499 \$8,458,783 \$12,390,913 \$12,390,913 |
| 2043 \$9,087,81 | 16 \$0 \$4 | \$4,310,462 \$5,557,856 | \$9,087,816 \$9,087,81 | 6 | 2043 \$7,321,903 \$0 | \$3,292,254 \$4,348,60 | 5 \$7,321,903 \$7,32 | 903 2043 \$15,30 | 8,410 \$0 | \$6,844,353 \$10,602,036 | \$15,308,410 \$15,308,410 | 2043 \$12,621,8 | 34 \$0 \$5,427,386 \$8,621,416 \$12,621,834 \$12,621,834 |
| 2044 \$9,291,75 | | \$4,420,620 \$5,672,537 | \$9,291,754 \$9,291,75 | | 2044 \$7,471,158 \$0 | | | | 0,739 \$0 | \$7,018,994 \$10,814,025 | \$15,600,739 \$15,600,739 | 2044 \$12,852,7 | |
| 2045 \$9,495,69 | | \$4,530,777 \$5,787,217 | \$9,495,693 \$9,495,69 | | 2045 \$7,620,413 \$0 | | | | | \$7,193,635 \$11,026,014 | \$15,893,067 \$15,893,067 | 2045 \$13,083,6 | |
| 2046 \$9,699,63 2047 \$9,903.56 | | \$4,640,935 \$5,901,898 | \$9,699,631 \$9,699,63 | | 2046 \$7,769,668 \$0 | | | | 5,395 \$0 | \$7,368,276 \$11,238,003 | \$16,185,395 \$16,185,395 | 2046 \$13,314,5 2047 \$13,545,5 | |
| 2047 \$9,903,56 2048 \$10,107,50 | | \$4,751,092 \$6,016,578 \$4,861,250 \$6,131,259 | \$9,903,569 \$9,903,56 \$10,107,507 \$10,107,50 | | 2047 \$7,918,923 \$0 2048 \$8,068,178 \$0 | | | | | \$7,542,917 \$11,449,993 \$7,717,558 \$11,661,982 | \$16,477,723 \$16,477,723 \$16,770,051 \$16,770,051 | 2047 \$13,545,5 2048 \$13,776.4 | |
| 2049 \$10,311,44 | | \$4,971.407 \$6.245.940 | \$10,107,507 \$10,107,50 | | 2049 \$8,217,433 \$0 | | | | | \$7,892,199 \$11,873,971 | \$10,770,031 \$10,770,031 | 2049 \$14,007,3 | |
| 2050 \$10,515,38 | | \$5,081,565 \$6,360,620 | \$10,515,383 \$10,515,38 | | 2050 \$8,366,688 \$0 | | , | | | \$8,066,840 \$12,085,960 | \$17,354,708 \$17,354,708 | 2050 \$14,238,2 | |
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| ECAT Safety | | | | | ECAT Safety | | | ECAT Sa | ety | | | ECAT Safety | |
| | Conce | ept D Concept C Co | ncept B Concept A | | | Concept D Concept C | Concept B Concept A | | Con | ncept D Concept C | | | Concept D Concept C Concept B Concept A |
| 2031 | | 565,077 \$ 870,951 \$ | | | | | 1 \$ 1,324,144 \$ 1,29 | | \$ | | \$ 1,324,144 \$ 1,291,912 | 2031 | \$ 565,077 \$ 870,951 \$ 1,324,144 \$ 1,291,912 |
| 2032 | | 575,079 \$ 886,367 \$ | | | | | 7 \$ 1,347,581 \$ 1,300 | | | | \$ 1,347,581 \$ 1,306,769 | 2032 | \$ 575,079 \$ 886,367 \$ 1,347,581 \$ 1,306,769 |
| 2033 | | 585,258 \$ 902,055 \$ | | | | | 5 \$ 1,371,433 \$ 1,32 | | \$ | | \$ 1,371,433 \$ 1,321,797 | 2033 | \$ 585,258 \$ 902,055 \$ 1,371,433 \$ 1,321,797 |
| 2034 2035 | | 595,617 \$ 918,022 \$ 606,160 \$ 934,271 \$ | 1,395,707 \$ 1,336,99 | | | | 2 \$ 1,395,707 \$ 1,336 L \$ 1,420,412 \$ 1,353 | | \$ | | \$ 1,395,707 \$ 1,336,998 \$ 1,420,412 \$ 1,352,373 | 2034 2035 | \$ 595,617 \$ 918,022 \$ 1,395,707 \$ 1,336,998 \$ 606,160 \$ 934,271 \$ 1,420,412 \$ 1,352,373 |
| 2035 | | 616,889 \$ 950,807 \$ | | | | | 7 \$ 1,445,553 \$ 1,36 | | 3 | | \$ 1,445,553 \$ 1,367,926 | 2036 | \$ 616,889 \$ 950,807 \$ 1,445,553 \$ 1,367,926 |
| 2037 | | 627,808 \$ 967,637 \$ | | | | | 7 \$ 1,471,139 \$ 1,383 | | Š | | \$ 1,471,139 \$ 1,383,657 | 2037 | \$ 627,808 \$ 967,637 \$ 1,471,139 \$ 1,383,657 |
| 2038 | | 638,920 \$ 984,764 \$ | | | | | \$ 1,497,178 \$ 1,399 | | \$ | | \$ 1,497,178 \$ 1,399,569 | 2038 | \$ 638,920 \$ 984,764 \$ 1,497,178 \$ 1,399,569 |
| 2039 | | 650,229 \$ 1,002,194 \$ | | | | | \$ 1,523,678 \$ 1,415 | | \$ | 650,229 \$ 1,002,194 | \$ 1,523,678 \$ 1,415,664 | 2039 | \$ 650,229 \$ 1,002,194 \$ 1,523,678 \$ 1,415,664 |
| 2040 | \$ | 661,738 \$ 1,019,933 \$ | 1,550,647 \$ 1,431,94 | 4 | | \$ 661,738 \$ 1,019,93 | 3 \$ 1,550,647 \$ 1,43 | 2040 | \$ | 661,738 \$ 1,019,933 | \$ 1,550,647 \$ 1,431,944 | 2040 | \$ 661,738 \$ 1,019,933 \$ 1,550,647 \$ 1,431,944 |
| 2041 | \$ | 673,450 \$ 1,037,986 \$ | 1,578,094 \$ 1,448,41 | 1 | | \$ 673,450 \$ 1,037,98 | 5 \$ 1,578,094 \$ 1,448 | 411 2041 | \$ | 673,450 \$ 1,037,986 | \$ 1,578,094 \$ 1,448,411 | 2041 | \$ 673,450 \$ 1,037,986 \$ 1,578,094 \$ 1,448,411 |
| 2042 | | 685,371 \$ 1,056,358 \$ | | | | | 3 \$ 1,606,026 \$ 1,469 | | \$ | | \$ 1,606,026 \$ 1,465,068 | 2042 | \$ 685,371 \$ 1,056,358 \$ 1,606,026 \$ 1,465,068 |
| 2043 | | 697,502 \$ 1,075,056 \$ | | | | | 5 \$ 1,634,453 \$ 1,48 | | \$ | | \$ 1,634,453 \$ 1,481,916 | 2043 | \$ 697,502 \$ 1,075,056 \$ 1,634,453 \$ 1,481,916 |
| 2044 | | 709,847 \$ 1,094,084 \$ | | | | | \$ 1,663,383 \$ 1,498 9 \$ 1,692,824 \$ 1,510 | | 5 | | \$ 1,663,383 \$ 1,498,958 | 2044 | \$ 709,847 \$ 1,094,084 \$ 1,663,383 \$ 1,498,958 |
| 2045 2046 | | 722,412 \$ 1,113,449 \$ 735,198 \$ 1,133,157 \$ | | | | . , , , , , | 7 \$ 1,692,824 \$ 1,510 7 \$ 1,722,787 \$ 1,533 | | Ş | | \$ 1,692,824 \$ 1,516,196 \$ 1,722,787 \$ 1,533,633 | 2045 2046 | \$ 722,412 \$ 1,113,449 \$ 1,692,824 \$ 1,516,196 \$ 735,198 \$ 1,133,157 \$ 1,722,787 \$ 1,533,633 |
| 2047 | | 748,211 \$ 1,153,214 \$ | | | | | \$ 1,753,281 \$ 1,55: | | 3 | | \$ 1,753,281 \$ 1,551,269 | 2047 | \$ 748,211 \$ 1,153,214 \$ 1,753,281 \$ 1,551,269 |
| 2048 | | 761,455 \$ 1,173,626 \$ | | | | | 5 \$ 1,784,314 \$ 1,569 | | Š | | \$ 1,784,314 \$ 1,569,109 | 2048 | \$ 761,455 \$ 1,173,626 \$ 1,784,314 \$ 1,569,109 |
| 2049 | | 774,932 \$ 1,194,399 \$ | | | | | \$ 1,815,896 \$ 1,58 | | | . , , . , | \$ 1,815,896 \$ 1,587,154 | 2049 | \$ 774,932 \$ 1,194,399 \$ 1,815,896 \$ 1,587,154 |
| 2050 | | 788,649 \$ 1,215,540 \$ | | | | | \$ 1,848,038 \$ 1,609 | | | | \$ 1,848,038 \$ 1,605,406 | 2050 | \$ 788,649 \$ 1,215,540 \$ 1,848,038 \$ 1,605,406 |
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| , | No-Build Conce | ept D Concept C Co | ncept B Concept A | | No-Build | Concept D Concept C | Concept B Concept A | | | ncept D Concept C | Concept B Concept A | | No-Build Concept D Concept C Concept B Concept A |
| 2030 | \$0 \$2 | \$2,254,675 \$3,185,707 | \$5,041,835 \$5,041,83 | 5 | 2030 \$0 | \$1,846,337 \$2,637,71 | 4 \$4,215,423 \$4,21 | 423 2030 | \$0 | \$3,582,852 \$6,145,946 | \$9,014,382 \$9,014,382 | 2030 | \$0 \$3,725,857 \$6,507,188 \$9,619,860 \$9,619,860 |
| 2031 | \$0 \$2 | \$2,270,574 \$3,177,048 | \$5,045,180 \$5,045,18 | 0 | 2031 \$0 | \$1,845,473 \$2,615,74 | 5 \$4,202,070 \$4,20 | 070 2031 | \$0 | \$3,607,807 \$6,122,209 | \$8,965,435 \$8,965,435 | 2031 | \$0 \$2,930,170 \$5,067,412 \$7,484,154 \$7,484,154 |
| 2032 | \$0 \$2 | \$2,283,479 \$3,166,030 | \$5,043,766 \$5,043,76 | 6 | 2032 \$0 | \$1,842,993 \$2,592,71 | 5 \$4,185,710 \$4,18 | | \$0 | \$3,628,022 \$6,094,344 | \$8,911,282 \$8,911,282 | 2032 | \$0 \$2,938,517 \$5,034,891 \$7,429,289 \$7,429,289 |
| 2033 | | \$2,293,555 \$3,152,802 | \$5,037,875 \$5,037,87 | | 2033 \$0 | | | | \$0 | \$3,643,760 \$6,062,619 | \$8,852,281 \$8,852,281 | 2033 | \$0 \$2,943,714 \$4,999,744 \$7,370,957 \$7,370,957 |
| 2034 | | \$2,300,960 \$3,137,508 | \$5,027,779 \$5,027,77 | | 2034 \$0 | | | | \$0 | \$3,655,271 \$6,027,293 | \$8,788,771 \$8,788,771 | 2034 | \$0 \$2,945,941 \$4,962,159 \$7,309,416 \$7,309,416 |
| 2035 2036 | | \$2,305,847 \$3,120,282 \$2,308,359 \$3,101,256 | \$5,013,735 \$5,013,73 \$4,995,991 \$4,995,99 | | 2035 \$0 2036 \$0 | | | | \$0 \$0 | \$3,662,796 \$5,988,609 \$3,666,564 \$5,946,803 | \$8,721,077 \$8,721,077 \$8,649,508 \$8,649,508 | 2035 2036 | \$0 \$2,945,373 \$4,922,314 \$7,244,912 \$7,244,912 \$0 \$2,942,176 \$4,880,380 \$7,177,678 \$7,177,678 |
| 2037 | | \$2,308,636 \$3,080,553 | \$4,993,991 \$4,993,99 | | 2037 \$0 | \$1,809,609 \$2,464,39 | | | \$0 | \$3,666,793 \$5,946,803 | \$8,574,358 \$8,574,358 | 2037 | \$0 \$2,936,508 \$4,836,516 \$7,107,938 \$7,107,938 |
| 2038 | | \$2,306,809 \$3,058,292 | \$4,950,328 \$4,950,32 | | 2038 \$0 | | | | \$0 | \$3,663,694 \$5,854,703 | \$8,495,908 \$8,495,908 | 2038 | \$0 \$2,928,521 \$4,790,878 \$7,035,903 \$7,035,903 |
| 2039 | \$0 \$2 | \$2,303,005 \$3,034,584 | \$4,922,850 \$4,922,85 | | 2039 \$0 | | | | \$0 | \$3,657,467 \$5,804,823 | \$8,414,424 \$8,414,424 | 2039 | \$0 \$2,918,360 \$4,743,612 \$6,961,773 \$6,961,773 |
| 2040 | \$0 \$2 | \$2,297,344 \$3,009,536 | \$4,892,548 \$4,892,54 | 8 | 2040 \$0 | \$1,775,800 \$2,379,41 | \$3,967,914 \$3,96 | 914 2040 | \$0 | \$3,648,301 \$5,752,649 | \$8,330,158 \$8,330,158 | 2040 | \$0 \$2,906,162 \$4,694,858 \$6,885,741 \$6,885,741 |
| 2041 | | 63 300 044 63 003 353 | \$4,859,618 \$4,859,61 | 8 | 2041 \$0 | \$1,762,679 \$2,350,13 | | | \$0 | \$3,636,380 \$5,698,365 | \$8,243,353 \$8,243,353 | 2041 | \$0 \$2,892,059 \$4,644,746 \$6,807,986 \$6,807,986 |
| 2042 | | \$2,289,941 \$2,983,252 | | | | \$1.748.742 \$2.320.45 | | 989 2042 | \$0 | \$3,621,878 \$5,642,144 | CO 454 227 CO 454 227 | 2042 | |
| | \$0 \$2 | \$2,280,907 \$2,955,827 | \$4,824,244 \$4,824,24 | | 2042 \$0 | | | | | | \$8,154,237 \$8,154,237 | 2042 | \$0 \$2,876,177 \$4,593,403 \$6,728,682 \$6,728,682 |
| 2043 | \$0 \$3 \$0 \$3 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 | 5 | 2043 \$0 | \$1,734,049 \$2,290,43 | 5 \$3,856,488 \$3,85 | 488 2043 | \$0 | \$3,604,960 \$5,584,153 | \$8,063,027 \$8,063,027 | 2043 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 |
| 2043 2044 | \$0 \$3 \$0 \$3 \$0 \$3 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 | 5 7 | 2043 \$0 2044 \$0 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 | \$3,856,488 \$3,85 \$3,816,782 \$3,81 | 488 2043 782 2044 | \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 | 2043 2044 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 |
| 2043 2044 2045 | \$0 \$1 \$0 \$1 \$0 \$1 \$0 \$1 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 \$2,245,037 \$2,867,613 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,19 | 5 7 2 | 2043 \$0 2044 \$0 2045 \$0 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,56 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 | 488 2043 782 2044 976 2045 | \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 | 2043 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$6,483,067 |
| 2043 2044 | \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,19 \$4,661,731 \$4,661,73 | 5 7 2 | 2043 \$0 2044 \$0 2045 \$0 2046 \$0 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,56 \$1,686,003 \$2,198,80 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 | 488 2043 782 2044 976 2045 174 2046 | \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,541,261 \$5,401,087 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 | 2043 2044 2045 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,83,153 \$6,483,067 \$6,483,067 \$0 \$2,879,768 \$4,378,020 \$6,399,117 \$6,399,117 |
| 2043 2044 2045 2046 | \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 \$2,245,037 \$2,867,613 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,19 | 5 7 2 1 0 | 2043 \$0 2044 \$0 2045 \$0 2046 \$0 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,56 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 8 \$3,691,471 \$3,65 | 488 2043 782 2044 976 2045 174 2046 471 2047 | \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 | 2043 2044 2045 2046 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$6,483,067 |
| 2043 2044 2045 2046 2047 | \$0 \$1 \$0 \$1 \$0 \$1 \$0 \$1 \$0 \$1 \$0 \$1 \$0 \$1 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,05,19 \$4,661,731 \$4,661,73 \$4,616,630 \$4,616,63 | 5 7 2 1 0 7 | 2043 \$0 2044 \$0 2045 \$0 2046 \$0 2047 \$0 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,56 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 | 5 \$3,856,488 \$3,816,782 \$3,816,782 \$3,816,782 \$3,775,976 \$3,775,976 \$3,773 \$3,733,41,74 \$3,733 \$3,691,471 \$3,65 \$3,647,961 \$3,647,961 \$3,647,961 | 488 2043 782 2044 976 2045 1174 2046 471 2047 961 2048 | \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,541,261 \$5,401,087 \$3,516,193 \$5,337,508 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 | 2043 2044 2045 2046 2047 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$ 50 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$ 50 \$2,819,024 \$4,433,153 \$6,483,067 \$6,483,067 \$ 50 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$ 50 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 |
| 2043 2044 2045 2046 2047 2048 | \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,897,922 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,197,975 \$2,772,199 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,705,192 \$4,705,192 \$4,661,731 \$4,661,731 \$4,616,630 \$4,570,027 \$4,570,027 | 5 7 2 1 0 7 2 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,56 \$1,686,003 \$2,198,00 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,105,666 | 5 \$3,856,488 \$3,88 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,69 5 \$3,647,961 \$3,64 5 \$3,603,730 \$3,60 | 488 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 | \$0 \$0 \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,541,261 \$5,401,087 \$3,516,193 \$5,337,508 \$3,489,431 \$5,272,870 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,442 | 2043 2044 2045 2046 2047 2048 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$5,566,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$6,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,228,905 |
| 2043 2044 2045 2046 2047 2048 2049 | \$0 \$1 \$0 \$2 \$0 \$1 \$0 \$1 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,258,357 \$2,887,622 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,179,7975 \$2,772,199 \$2,180,195 \$2,739,137 \$2,161,498 \$2,705,558 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,19 \$4,661,731 \$4,661,73 \$4,616,630 \$4,616,63 \$4,570,027 \$4,570,02 \$4,522,052 \$4,522,05 | 5 7 2 1 0 7 2 1 | 2043 \$0 2044 \$5 2045 \$5 2046 \$0 2047 \$0 2048 \$0 2048 \$5 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,66 \$1,668,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,105,66 \$1,614,580 \$2,074,45 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,65 5 \$3,647,961 \$3,66 5 \$3,603,730 \$3,60 7 \$3,558,861 \$3,55 | 488 2043 782 2044 976 2045 114 2046 471 2047 961 2048 730 2049 861 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,541,261 \$5,401,087 \$3,516,193 \$5,337,508 \$3,489,431 \$5,272,870 \$3,461,099 \$5,207,293 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,778,849 \$7,778,849 \$7,778,849 \$7,788,1226 \$7,681,226 \$7,582,442 \$7,582,442 \$7,482,654 \$7,482,654 | 2043 2044 2045 2046 2047 2048 2049 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,83,153 \$6,483,067 \$5,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$0 \$2,724,663 \$4,208,828 \$6,142,885 \$6 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$1 \$0 \$2 \$0 \$1 \$0 \$1 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,258,357 \$2,887,622 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,179,7975 \$2,772,199 \$2,180,195 \$2,739,137 \$2,161,498 \$2,705,558 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,192 \$4,661,731 \$4,661,73 \$4,616,630 \$4,616,62 \$4,570,027 \$4,570,02 \$4,522,052 \$4,722,05 \$4,472,831 \$4,472,83 | 5 7 2 1 0 7 2 1 | 2043 Sc 2044 Sc 2045 Sc 2046 Sc 2047 Sc 2048 Sc 2049 Sc 2050 Sc | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$3,229,56 \$1,668,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,006 \$1,614,580 \$2,074,45 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,65 5 \$3,647,961 \$3,64 6 \$3,603,730 \$3,60 7 \$3,558,861 \$3,558,861 | 488 2043 782 2044 976 2045 114 2046 471 2047 961 2048 730 2049 861 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,516,193 \$5,337,508 \$3,481,099 \$5,272,879 \$3,431,317 \$5,140,893 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,462 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$ \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$ \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$ \$0 \$2,819,024 \$4,333,153 \$6,483,067 \$6,483,067 \$ \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$ \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$ \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,228,905 \$ \$0 \$2,742,4563 \$4,265,769 \$6,228,905 \$6,228,905 \$ \$0 \$2,742,4563 \$4,208,828 \$6,142,885 \$6,164,2885 \$ \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$ |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$1 \$0 \$2 \$0 \$1 \$0 \$1 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,258,357 \$2,887,622 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,179,7975 \$2,772,199 \$2,180,195 \$2,739,137 \$2,161,498 \$2,705,558 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,60 \$4,746,867 \$4,746,86 \$4,705,192 \$4,705,192 \$4,661,731 \$4,661,73 \$4,616,630 \$4,616,62 \$4,570,027 \$4,570,02 \$4,522,052 \$4,722,05 \$4,472,831 \$4,472,83 | 5 7 2 1 0 7 2 1 | 2043 Sc 2044 Sc 2045 Sc 2046 Sc 2047 Sc 2048 Sc 2049 Sc 2050 Sc | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$3,229,56 \$1,668,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,006 \$1,614,580 \$2,074,45 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,65 5 \$3,647,961 \$3,64 6 \$3,603,730 \$3,60 7 \$3,558,861 \$3,558,861 | 488 2043 782 2044 976 2045 114 2046 471 2047 961 2048 730 2049 861 2050 | \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,463,479 \$3,516,193 \$5,337,508 \$3,481,099 \$5,272,879 \$3,431,317 \$5,140,893 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,462 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$ \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$ \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$ \$0 \$2,819,024 \$4,333,153 \$6,483,067 \$6,483,067 \$ \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$ \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$ \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,228,905 \$ \$0 \$2,742,4563 \$4,265,769 \$6,228,905 \$6,228,905 \$ \$0 \$2,742,4563 \$4,208,828 \$6,142,885 \$6,164,2885 \$ \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$ |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$1 \$0 \$2 \$0 | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,283,572 \$2,283,572 \$2,2845,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,124,761 \$2,214,761 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,65 \$4,746,867 \$4,786,65 \$4,705,192 \$4,705,19 \$4,661,731 \$4,661,73 \$4,616,730 \$4,617,70 \$4,570,027 \$4,570,02 \$4,572,052 \$4,570,02 \$4,572,052 \$4,572,05 \$4,472,831 \$4,472,83 \$96,670,628 | 5 7 2 2 1 0 0 7 2 2 | 2043 Sc 2044 Sc 2045 Sc 2046 Sc 2047 Sc 2048 Sc 2048 Sc 2049 Sc 2050 Sc TOTAL Sc 2050 | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,295,55 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,181 \$1,633,086 \$2,105,66 \$1,614,580 \$2,074,45 \$35,099,859 \$47,153,59 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,796 \$3,77,73 3 \$3,734,174 \$3,75 5 \$3,691,471 \$3,66 5 \$3,647,961 \$3,66 6 \$3,603,730 \$3,60 7 \$3,558,861 \$3,55 \$ \$78,495,859 \$78,49 | 488 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$3,604,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,540 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,316,193 \$5,337,508 \$3,489,431 \$5,272,870 \$3,461,099 \$5,207,293 \$3,431,317 \$51,40,893 \$71,953,283 \$113,828,489 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,788,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,442 \$7,82,654 \$7,82,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$5,566,072 \$6,566,072 \$0 \$2,839,048 \$4,487,496 \$5,566,072 \$6,645,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,225,195 \$6,314,355 \$6,228,905 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$136,383,227 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,252,83,57 \$2,887,922 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,197,975 \$2,772,199 \$2,180,195 \$2,783,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,65 \$4,766,867 \$4,786,65 \$4,705,192 \$4,705,19 \$4,661,731 \$4,661,73 \$4,616,300 \$4,616,630 \$4,570,027 \$4,570,027 \$4,522,052 \$4,522,052 \$4,472,831 \$4,472,83 \$96,670,628 \$96,670,62 | 5 7 2 1 1 0 0 7 2 2 1 1 1 8 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC 2049 SC 2050 SC TOTAL SC Congestion | \$1,734,049 \$2,290,43 \$1,718,658 \$2,660,12 \$1,702,626 \$2,295,55 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$1,614,580 \$2,074,45 \$35,099,859 \$47,153,59 \$35,099,859 \$47,153,59 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77, 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,65 5 \$3,603,790 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 | 488 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$3,564,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,049 \$5,364,649 \$53,564,049 \$53,564,049 \$53,564,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,431,317 \$5,140,893 \$71,953,283 \$113,828,489 \$71,953,283 \$113,828,489 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,126 \$7,681,126 \$7,582,442 \$7,582,424 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,331,153 \$6,839,017 \$6,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$63,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,212,895 \$0 \$2,749,845 \$4,268,288 \$6,142,885 \$6,142,885 \$0 \$2,784,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Congestion \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,297,335 \$2,285,703 \$2,286,7613 \$2,230,476 \$2,886,606 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,214,761 \$2,279,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 \$45,308,057 \$45,008,008,008,008,008,008,008,008,008,00 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,66 \$4,765,867 \$4,786,66 \$4,705,192 \$4,705,19 \$4,616,731 \$4,616,63 \$4,570,027 \$4,570,027 \$4,522,052 \$4,572,02 \$4,626,670,628 \$96,670,62 \$96,670,628 \$96,670,62 \$96,670,628 \$96,670,62 | 5 5 7 7 2 1 1 0 0 7 7 7 2 1 1 3 8 8 2 2 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2049 SC 2050 SC TOTAL SC Congestion Safety | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,60 \$1,668,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,074,45 \$35,099,859 \$47,153,59 \$35,099,859 \$47,153,59 \$7,611,268 \$11,731,20 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,775,976 \$3,775,976 3 \$3,775,976 \$3,775,976 3 \$3,641,471 \$3,66 5 \$3,647,961 \$3,64 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 | A88 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$3,564,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,541,261 \$5,207,287 \$3,461,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,431,317 \$5,140,893 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,875,142 \$7,778,849 \$7,788,1226 \$7,581,226 \$7,582,442 \$7,482,654 \$7,482,654 \$7,482,654 \$7,482,654 \$7,482,654 \$7,482,654 \$7,482,654 \$7,482,011 \$164,916,074 \$164,916,0 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,33,153 \$6,483,067 \$5,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,228,905 \$0 \$2,724,563 \$4,208,928 \$6,142,885 \$6,142,885 \$0 \$2,724,563 \$4,208,928 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$50 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Congestion \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Safety \$7,611,268 \$11,731,207 \$17,835,453 \$16,473,392 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,335 \$2,252,83,57 \$2,887,922 \$2,245,037 \$2,867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,678 \$2,197,975 \$2,772,199 \$2,180,195 \$2,783,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,66 \$4,765,867 \$4,786,66 \$4,705,192 \$4,705,19 \$4,616,731 \$4,616,63 \$4,570,027 \$4,570,027 \$4,522,052 \$4,572,02 \$4,626,670,628 \$96,670,62 \$96,670,628 \$96,670,62 \$96,670,628 \$96,670,62 | 5 5 7 7 2 1 1 0 0 7 7 7 2 1 1 3 8 8 2 2 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC 2049 SC 2050 SC TOTAL SC Congestion | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,229,60 \$1,668,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,81 \$1,633,086 \$2,074,45 \$35,099,859 \$47,153,59 \$35,099,859 \$47,153,59 \$7,611,268 \$11,731,20 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,81 7 \$3,775,976 \$3,77, 3 \$3,734,174 \$3,73 3 \$3,691,471 \$3,65 5 \$3,603,790 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 | A88 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$3,564,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,541,261 \$5,207,287 \$3,461,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,431,317 \$5,140,893 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,126 \$7,681,126 \$7,582,442 \$7,582,424 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,331,153 \$6,839,017 \$6,483,067 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$63,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,212,895 \$0 \$2,749,845 \$4,268,288 \$6,142,885 \$6,142,885 \$0 \$2,784,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Congestion \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,887,623 \$2,258,375 \$2,2867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,197,975 \$2,772,199 \$2,180,195 \$2,772,199 \$2,180,195 \$2,773,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 \$45,308,057 \$40,000,000,000,000,000,000,000,000,000, | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,65 \$4,766,867 \$4,786,65 \$4,705,192 \$4,705,192 \$4,661,731 \$4,661,73 \$4,616,630 \$4,616.63 \$4,570,027 \$4,570,027 \$4,522,052 \$4,522,052 \$4,472,831 \$4,472,83 \$96,670,628 \$96,670,62 \$96,670,628 \$96,670,62 \$96,670,628 \$11,3144,02 \$113,144,02 | 5 5 7 7 2 1 1 1 0 0 7 7 7 2 2 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC 2049 SC 2050 SC TOTAL SC Congestion Safety Total Benefit | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,295,55 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,187 \$2,136,187 \$1,633,086 \$1,614,580 \$335,099,859 \$47,153,59 \$7,611,268 \$11,731,20 \$42,711,126 \$58,884,80 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,816 7 \$3,775,796 \$3,77,796 33 \$3,734,174 \$8,77 3 \$3,691,471 \$3,66 5 \$3,603,730 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 7 \$ 17,835,453 \$ 16,47 5 \$96,331,312 \$94,96 | 488 2043 782 2044 976 2045 174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | So S | \$3,564,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,540 \$5,5463,479 \$3,564,549 \$5,5401,087 \$3,561,93 \$5,347,508 \$3,489,431 \$5,272,870 \$5,401,099 \$5,207,293 \$3,431,317 \$5,140,893 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 \$79,564,550 \$125,559,695 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,442 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 \$164,916,074 \$164,916,074 \$17,835,453 \$164,916,074 \$17,835,453 \$164,936,074 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,794,845 \$4,265,769 \$6,212,895 \$6,314,355 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Congestion \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$36fety \$7,611,268 \$11,731,207 \$17,835,453 \$16,473,392 \$ Total Benefit \$64,976,123 \$104,689,987 \$154,218,681 \$152,856,619 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,297,335 \$2,283,79 \$2,285,037 \$2,887,613 \$2,230,476 \$2,884,676 \$2,214,761 \$2,284,606 \$2,149,797 \$2,180,195 \$2,793,137 \$2,161,98 \$2,705,558 \$15,308,057 \$59,527,938 \$15,308,057 \$59,527,938 \$7,611,268 \$11,731,207 \$2,919,325 \$71,259,144 \$1,900,000 \$120,000,000 \$ | \$4,824,244 \$4,824,24 \$4,786,605 \$4,746,867 \$4,786,605 \$4,746,86 \$4,705,192 \$4,611,731 \$4,611,63 \$4,512,007 \$4,522,052 \$4,522,052 \$4,522,052 \$4,622,831 \$4,472,831 \$54,672,83 \$96,670,628 \$96,670,628 \$96,670,628 \$17,835,453 \$114,506,081 \$113,144,02 \$145,000,000 \$235,000,000 \$235,000,000 | 5 5 7 7 2 2 1 1 8 8 2 2 0 0 0 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2049 SC 2050 SC TOTAL SC Congestion Safety Total Benefit Lbw Cost | \$1,734,049 \$2,290,43 \$1,718,658 \$2,229,66 \$1,668,003 \$2,198,80 \$1,651,187 \$2,105,651,187 \$2,105,651,187 \$2,105,66 \$1,614,580 \$3,099,859 \$47,153,59 \$7,611,268 \$1,1731,20 \$42,711,126 \$58,884,80 \$90,000,000 \$120,000,000 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,816 7 \$3,775,796 \$3,77,73 3 \$3,734,174 \$3,72 3 \$3,647,961 \$3,64 5 \$3,603,730 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 7 \$17,835,453 \$16,47 5 \$96,331,312 \$94,96 0 \$145,000,000 \$235,000 | M888 2043 7892 2044 976 2045 1174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | So S | \$3,504,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,541,261 \$5,401,087 \$3,348,431 \$5,272,870 \$3,461,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,461,393 \$513,828,489 \$71,953,283 \$113,828,489 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 \$79,564,550 \$125,559,695 \$90,000,000 \$120,000,000 \$120,000,000 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,582,442 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 \$1164,916,074 \$1183,5453 \$164,916,074 \$11835,455 \$181,389,465 \$145,000,000 \$235,000,000 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$56,899,117 \$63,999,117 \$66,999,117 \$66,999,117 \$136,383,227 \$13 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$: | \$2,280,907 \$2,955,827 \$2,270,345 \$2,927,355 \$2,258,357 \$2,887,623 \$2,258,375 \$2,2867,613 \$2,230,476 \$2,836,506 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,197,975 \$2,772,199 \$2,180,195 \$2,772,199 \$2,180,195 \$2,773,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 \$45,308,057 \$40,000,000,000,000,000,000,000,000,000, | \$4,824,244 \$4,824,24 \$4,786,605 \$4,746,867 \$4,786,605 \$4,746,86 \$4,705,192 \$4,611,731 \$4,611,63 \$4,512,007 \$4,522,052 \$4,522,052 \$4,522,052 \$4,622,831 \$4,472,831 \$54,672,83 \$96,670,628 \$96,670,628 \$96,670,628 \$17,835,453 \$114,506,081 \$113,144,02 \$145,000,000 \$235,000,000 \$235,000,000 | 5 5 7 7 2 2 1 1 8 8 2 2 0 0 0 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC 2049 SC 2050 SC TOTAL SC Congestion Safety Total Benefit | \$1,734,049 \$2,290,43 \$1,718,658 \$2,260,12 \$1,702,626 \$2,295,55 \$1,686,003 \$2,198,80 \$1,668,842 \$2,167,87 \$1,651,187 \$2,136,187 \$2,136,187 \$1,633,086 \$1,614,580 \$335,099,859 \$47,153,59 \$7,611,268 \$11,731,20 \$42,711,126 \$58,884,80 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,816 7 \$3,775,796 \$3,77,73 3 \$3,734,174 \$3,72 3 \$3,647,961 \$3,64 5 \$3,603,730 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 7 \$17,835,453 \$16,47 5 \$96,331,312 \$94,96 0 \$145,000,000 \$235,000 | M888 2043 7892 2044 976 2045 1174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | So S | \$3,504,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,541,261 \$5,401,087 \$3,348,431 \$5,272,870 \$3,461,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,461,393 \$513,828,489 \$71,953,283 \$113,828,489 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 \$79,564,550 \$125,559,695 \$90,000,000 \$120,000,000 \$120,000,000 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,969,930 \$7,875,142 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,582,442 \$7,582,442 \$7,482,654 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 \$164,916,074 \$164,916,074 \$17,835,453 \$164,916,074 \$17,835,453 \$164,936,074 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,797,168 \$4,378,020 \$6,399,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,794,845 \$4,265,769 \$6,212,895 \$6,314,355 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,698,316 \$4,151,455 \$6,056,406 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$ Congestion \$57,364,855 \$92,958,780 \$136,383,227 \$136,383,227 \$36fety \$7,611,268 \$11,731,207 \$17,835,453 \$16,473,392 \$ Total Benefit \$64,976,123 \$104,689,987 \$154,218,681 \$152,856,619 |
| 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | \$0 \$3 \$0 \$0 \$3 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$2,280,907 \$2,955,827 \$2,270,345 \$2,297,335 \$2,283,79 \$2,285,037 \$2,887,613 \$2,230,476 \$2,884,676 \$2,214,761 \$2,284,606 \$2,149,797 \$2,180,195 \$2,793,137 \$2,161,98 \$2,705,558 \$15,308,057 \$59,527,938 \$15,308,057 \$59,527,938 \$7,611,268 \$11,731,207 \$2,919,325 \$71,259,144 \$1,900,000 \$120,000,000 \$ | \$4,824,244 \$4,824,24 \$4,786,605 \$4,746,867 \$4,786,605 \$4,746,86 \$4,705,192 \$4,611,731 \$4,611,63 \$4,512,007 \$4,522,052 \$4,522,052 \$4,522,052 \$4,622,831 \$4,472,831 \$54,672,83 \$96,670,628 \$96,670,628 \$96,670,628 \$17,835,453 \$114,506,081 \$113,144,02 \$145,000,000 \$235,000,000 \$235,000,000 | 5 5 7 7 2 2 1 1 8 8 2 2 0 0 0 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2049 SC 2050 SC TOTAL SC Congestion Safety Total Benefit Lbw Cost | \$1,734,049 \$2,290,43 \$1,718,658 \$2,229,66 \$1,668,003 \$2,198,80 \$1,651,187 \$2,105,651,187 \$2,105,651,187 \$2,105,66 \$1,614,580 \$3,099,859 \$47,153,59 \$7,611,268 \$1,1731,20 \$42,711,126 \$58,884,80 \$90,000,000 \$120,000,000 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,816 7 \$3,775,796 \$3,77,73 3 \$3,734,174 \$3,72 3 \$3,647,961 \$3,64 5 \$3,603,730 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 7 \$17,835,453 \$16,47 5 \$96,331,312 \$94,96 0 \$145,000,000 \$235,000 | M888 2043 7892 2044 976 2045 1174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | So S | \$3,504,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,504 \$5,5463,479 \$3,541,261 \$5,401,087 \$3,541,261 \$5,401,087 \$3,348,431 \$5,272,870 \$3,461,099 \$5,207,293 \$3,461,099 \$5,207,293 \$3,431,317 \$5,140,893 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 \$79,564,550 \$125,559,695 \$90,000,000 \$120,000,000 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,582,442 \$7,482,654 \$7,382,011 \$7,382,011 \$164,916,074 \$164,916,074 \$1164,916,074 \$1183,5453 \$164,916,074 \$11835,455 \$181,389,465 \$145,000,000 \$235,000,000 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,433,153 \$6,483,067 \$56,899,117 \$63,999,117 \$66,999,117 \$66,999,117 \$136,383,227 \$13 |
| 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$3 \$0 \$0 \$3 \$0 \$0 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$3 \$0 \$ | \$2,280,907 \$2,955,827 \$2,270,345 \$2,297,355 \$2,258,357 \$2,887,623 \$2,258,375 \$2,258,376 \$2,283,6506 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,804,676 \$2,214,761 \$2,772,199 \$2,772,199 \$2,780,195 \$2,772,199 \$2,180,195 \$2,772,199 \$2,180,195 \$2,793,137 \$2,161,498 \$2,705,558 \$15,308,057 \$59,527,938 \$45,308,057 \$59,527,938 \$45,308,057 \$59,527,938 \$45,308,057 \$59,527,938 \$45,308,057 \$71,259,144 \$1,000,000 \$1,000,000 \$2,000,000 \$1,000,000 \$2,000,000 \$1,000,000 \$2,000,000 \$1,000,000 \$2,000,000 | \$4,824,244 \$4,824,24 \$4,786,605 \$4,786,65 \$4,746,867 \$4,786,65 \$4,705,192 \$4,705,192 \$4,661,731 \$4,661,73 \$4,661,732 \$4,616,630 \$4,670,027 \$4,570,027 \$4,522,052 \$4,572,027 \$4,572,052 \$4,722,052 \$4,472,831 \$4,472,83 \$96,670,628 \$96,670,62 \$96,670,628 \$96,670,62 \$11,835,453 \$114,02 \$113,144,02 \$145,000,000 \$235,000,000 \$195,000,000 \$310,000,000 | 5 5 7 7 2 2 1 1 8 8 2 2 0 0 0 | 2043 SC 2044 SC 2045 SC 2046 SC 2047 SC 2048 SC 2049 SC 2050 SC TOTAL SC Congestion Safety Total Benefit Low Cost High Cost | \$1,734,049 \$1,718,658 \$1,718,658 \$2,260,126 \$1,702,626 \$2,250,126 \$1,686,003 \$1,688,842 \$1,688,842 \$1,631,187 \$1,631,187 \$1,631,187 \$2,136,81 \$1,644,580 \$31,644,580 \$335,099,859 \$47,153,59 \$35,099,859 \$47,153,59 \$7,611,268 \$11,731,20 \$58,884,80 \$90,000,000 \$120,000,000 \$120,000,000 \$160,000,000 | 5 \$3,856,488 \$3,85 5 \$3,816,782 \$3,816 7 \$3,775,796 \$3,77,796 3 \$3,734,174 \$8,77 3 \$3,691,471 \$3,65 6 \$3,603,730 \$3,66 6 \$3,603,730 \$3,66 7 \$3,558,861 \$3,55 8 \$78,495,859 \$78,49 7 \$17,835,453 \$16,47 5 \$96,331,312 \$94,96 0 \$145,000,000 \$235,000 0 \$195,000,000 \$310,000 | M888 2043 7892 2044 976 2045 1174 2046 471 2047 961 2048 730 2049 861 2050 TOTAL | So S | \$3,564,960 \$5,584,153 \$3,585,785 \$5,524,548 \$3,564,049 \$5,364,379 \$3,541,261 \$5,401,087 \$3,516,193 \$5,375,087 \$3,489,431 \$5,272,870 \$5,401,099 \$5,207,293 \$3,483,431 \$5,140,893 \$71,953,283 \$113,828,489 \$71,953,283 \$113,828,489 \$7,611,268 \$11,731,207 \$79,564,550 \$125,559,695 \$90,000,000 \$120,000,000 | \$8,063,027 \$8,063,027 \$7,969,930 \$7,875,142 \$7,778,849 \$7,778,849 \$7,681,226 \$7,681,226 \$7,882,442 \$7,882,654 \$7,382,011 \$57,382,011 \$164,916,074 \$164,916,074 \$164,916,074 \$17,835,453 \$164,916,074 \$17,835,453 \$164,916,074 \$17,835,453 \$164,733,392 \$182,751,527 \$181,389,465 \$145,000,000 \$235,000,000 \$195,000,000 \$310,000,000 | 2043 2044 2045 2046 2047 2048 2049 2050 | \$0 \$2,858,635 \$4,540,949 \$6,647,992 \$6,647,992 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,839,548 \$4,487,496 \$6,566,072 \$6,566,072 \$0 \$2,819,024 \$4,331,153 \$6,839,117 \$6,399,117 \$0 \$2,774,077 \$4,322,195 \$6,314,355 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,314,355 \$0 \$2,749,845 \$4,265,769 \$6,228,905 \$6,314,355 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,724,563 \$4,208,828 \$6,142,885 \$6,142,885 \$0 \$2,598,316 \$4,151,455 \$6,056,406 \$6,056,406 \$0 \$57,364,855 \$92,958,780 \$136,383,227 \$136,38 |

9% daily truck percentage - US 23 \$21.69 weighted average value of time - US 23 9% daily truck percentage - intersections (all vehicles) \$21.93 weighted average value of time - intersections/all vehicles

| | o-Build Concept E Concept D Concept C Concept B Concept A | No-Build Concept E Concept D Concept C Concept B Concept A | No-Build Concept E Concept D Concept C Concept B Concept A | No-Build Concept E Concept D Concept C Concept B Concept A |
|--|--|---|---|--|
| 2030 \$15,456,588 2031 \$15,915,225 | \$0 \$8,779,967 \$8,619,407 \$13,428,594 \$13,867,900 \$15,456,588 \$0 \$9,156,109 \$8,927,923 \$13,849,144 \$14,378,769 \$15,915,225 | 2030 \$12,998,544 \$0 \$7,186,940 \$71,85,940 \$11,274,749 \$11,266,416 \$12,998,544 2031 \$13,359,531 \$0 \$7,424,288 \$7,424,288 \$11,603,362 \$11,609,094 \$13,359,531 | 2030 \$21,178,565 \$0 \$11,953,394 \$14,953,397 \$18,498,602 \$18,496,210 \$21,178,565 2031 \$21,753,837 \$0 \$12,365,447 \$12,365,447 \$19,036,679 \$19,044,945 \$21,753,837 | 2030 \$18,001,780 \$0 \$10,160,385 \$10,160,385 \$15,723,811 \$15,721,779 \$18,001,780 2031 \$18,471,817 \$0 \$10,491,686 \$10,491,686 \$16,162,233 \$16,169,259 \$18,471,817 |
| 2032 \$16,373,862 | \$0 \$9,532,251 \$9,236,440 \$14,269,694 \$14,889,637 \$16,373,862 | 2032 \$13,720,518 \$0 \$7,661,636 \$7,661,636 \$11,931,975 \$11,951,772 \$13,720,518 | 2032 \$22,329,108 \$0 \$12,777,500 \$19,574,756 \$19,593,679 \$22,329,108 | 2032 \$18,941,854 \$0 \$10,822,987 \$10,822,987 \$16,600,655 \$16,616,739 \$18,941,854 |
| 2033 \$16,832,499 2034 \$17,791,136 | \$0 \$9,908,392 \$9,544,956 \$14,690,244 \$15,400,506 \$16,832,499 \$0 \$10,284,534 \$9,853,472 \$15,110,794 \$15,911,375 \$17,291,136 | 2033 \$14,081,505 \$0 \$7,898,985 \$7,898,985 \$12,260,589 \$12,294,450 \$14,081,505 2034 \$14,442,492 \$0 \$8,136,333 \$8,136,333 \$12,589,202 \$12,637,128 \$14,442,492 | 2033 522,904,380 \$0 \$13,89,553 \$13,189,553 \$20,112,833 \$20,142,413 \$22,904,380 2034 \$23,479,652 \$0 \$13,601,606 \$13,601,606 \$20,650,911 \$20,691,147 \$23,479,652 | 2033 \$19,411,891 \$0 \$11,154,288 \$11,154,288 \$17,039,076 \$17,064,219 \$19,411,891 2034 \$19,881,928 \$0 \$11,485,589 \$11,485,589 \$17,477,498 \$17,511,699 \$19,881,928 |
| 2035 \$17,749,773 | \$0 \$10,660,676 \$10,161,989 \$15,531,345 \$16,422,243 \$17,749,773 | 2034 \$14,803,479 \$0 \$8,373,681 \$8,373,681 \$12,917,815 \$12,979,806 \$14,803,479 | 2035 \$24,054,923 \$0 \$14,013,659 \$14,013,659 \$21,188,988 \$21,239,882 \$24,054,923 | 2035 \$20,351,964 \$0 \$11,816,889 \$11,816,889 \$17,915,919 \$17,959,179 \$20,351,964 |
| 2036 \$18,208,410 | \$0 \$11,036,817 \$10,470,505 \$15,951,895 \$16,933,112 \$18,208,410 | 2036 \$15,164,467 \$0 \$8,611,030 \$8,611,030 \$13,246,429 \$13,322,484 \$15,164,467 | 2036 \$24,630,195 \$0 \$14,425,712 \$14,425,712 \$21,727,065 \$21,788,616 \$24,630,195 | 2036 \$20,822,001 \$0 \$12,148,190 \$12,148,190 \$18,354,341 \$18,406,659 \$20,822,001 |
| 2037 \$18,667,047 2038 \$19,125,684 | \$0 \$11,412,959 \$10,779,022 \$16,372,445 \$17,443,981 \$18,667,047 \$0 \$11,789,101 \$11,087,538 \$16,792,995 \$17,954,849 \$19,125,684 | 2037 \$15,525,454 \$0 \$8,848,378 \$8,848,378 \$13,575,042 \$13,665,162 \$15,525,454 2038 \$15,886,441 \$0 \$9,085,727 \$9,085,727 \$13,903,655 \$14,007,840 \$15,886,441 | 2037 \$25,205,466 \$0 \$14,837,765 \$14,837,765 \$22,265,142 \$22,337,350 \$25,205,466 2038 \$25,780,788 \$0 \$15,249,818 \$15,249,818 \$22,803,220 \$22,886,084 \$25,780,738 | 2037 \$21,292,038 \$0 \$12,479,491 \$12,479,491 \$18,792,762 \$18,854,139 \$21,292,038 2038 \$21,762,075 \$0 \$12,810,792 \$12,810,792 \$19,231,184 \$19,301,619 \$21,762,075 |
| 2039 \$19,584,321 | \$0 \$12,165,242 \$11,396,055 \$17,213,545 \$18,465,718 \$19,584,321 | 2039 \$16,247,428 \$0 \$9,323,075 \$9,323,075 \$14,232,269 \$14,350,518 \$16,247,428 | 2039 \$26,356,010 \$0 \$15,661,871 \$15,661,871 \$23,341,297 \$23,43,4819 \$26,356,010 | 2039 \$232,112 \$0 \$13,142,093 \$13,142,093 \$19,669,606 \$19,749,099 \$22,232,112 |
| 2040 \$20,042,958 | \$0 \$12,541,384 \$11,704,571 \$17,634,095 \$18,976,587 \$20,042,958 | 2040 \$16,608,415 \$0 \$9,560,423 \$9,560,423 \$14,560,882 \$14,693,196 \$16,608,415 | 2040 \$26,931,281 \$0 \$16,073,924 \$16,073,924 \$23,879,374 \$23,983,553 \$26,931,281 | 2040 \$702,148 \$0 \$13,473,394 \$13,473,394 \$20,108,027 \$20,196,579 \$22,702,148 |
| 2041 \$20,501,595 2042 \$20,960,232 | \$0 \$12,917,526 \$12,013,088 \$18,054,645 \$19,487,455 \$20,501,595 \$0 \$13,293,668 \$12,321,604 \$18,475,195 \$19,998,324 \$20,960,232 | 2041 \$16,969,402 \$0 \$9,797,772 \$14,889,495 \$15,035,874 \$16,969,402 2042 \$17,330,389 \$0 \$10,035,120 \$10,035,120 \$15,218,109 \$15,378,552 \$17,330,389 | 2041 527,505,665 \$0 \$16,485,977 \$16,485,977 \$24,417,451 \$24,532,287 \$27,506,553 2042 528 1,325 \$0 \$16,898,029 \$16,898,029 \$24,955,529 \$25,081,021 \$28,081,825 | 2041 523,172,185 \$0 \$13,804,695 \$13,804,695 \$20,546,449 \$20,644,059 \$23,172,185 2042 \$23,642,222 \$0 \$14,135,996 \$14,135,996 \$20,984,870 \$21,091,539 \$23,642,222 |
| 2043 \$21,418,869 | \$0 \$13,669,809 \$12,630,121 \$18,895,746 \$20,509,193 \$21,418,869 | 2043 \$17,691,377 \$0 \$10,272,469 \$10,272,469 \$15,546,722 \$15,721,230 \$17,691,377 | 2043 \$657,056 \$0 \$17,310,082 \$17,310,082 \$25,493,606 \$25,629,756 \$28,657,096 | 2043 \$24,112,259 \$0 \$14,467,297 \$14,467,297 \$21,423,292 \$21,539,019 \$24,112,259 |
| 2044 \$21,877,506 2045 \$22,336,143 | \$0 \$14,045,951 \$12,938,637 \$19,316,296 \$21,020,061 \$21,877,506 \$0 \$14,422,093 \$13,247,154 \$19,736,846 \$21,530,930 \$22,336,143 | 2044 \$18,052,354 \$0 \$10,509,817 \$10,509,817 \$15,875,335 \$16,063,908 \$18,052,364 2045 \$18,413,351 \$0 \$10,747,165 \$10,747,165 \$16,203,948 \$16,406,586 \$18,413,351 | 2044 \$55,25,268 \$0 \$17,722,135 \$17,722,135 \$26,031,683 \$26,178,490 \$29,232,368 2045 \$0 \$18,134,188 \$18,134,188 \$26,569,760 \$26,727,224 \$29,807,640 | 2044 \$24,582,296 \$0 \$14,798,598 \$14,798,598 \$21,861,713 \$21,986,499 \$24,582,296 2045 \$25,052,332 \$0 \$15,129,899 \$15,129,899 \$22,300,135 \$22,433,979 \$25,052,332 |
| 2046 \$22,794,780 | \$0 \$14,798,234 \$13,555,670 \$20,157,396 \$22,041,799 \$22,794,780 | 2046 \$18,774,338 \$0 \$10,84,514 \$10,984,514 \$16,532,562 \$16,749,264 \$18,774,338 | 2046 53 382,911 \$0 \$18,546,241 \$18,546,241 \$27,107,837 \$27,275,958 \$30,382,911 | 2046 \$25,522,369 \$0 \$15,461,200 \$15,461,200 \$22,738,556 \$22,881,459 \$25,522,369 |
| 2047 \$23,253,417 | \$0 \$15,174,376 \$13,864,187 \$20,577,946 \$22,552,667 \$23,253,417 | 2047 \$19,135,325 \$0 \$11,221,862 \$11,221,862 \$16,861,175 \$17,091,942 \$19,135,325 | 2047 \$30,95 183 \$0 \$18,958,294 \$18,958,294 \$27,645,915 \$27,824,692 \$30,958,183 | 2047 \$25,992,406 \$0 \$15,792,501 \$15,792,501 \$23,176,978 \$23,328,939 \$25,992,406 |
| 2048 \$23,712,054 2049 \$24,170,691 | \$0 \$15,550,518 \$14,172,703 \$20,998,496 \$23,063,536 \$23,712,054 \$0 \$15,926,659 \$14,481,220 \$21,419,046 \$23,574,405 \$24,170,691 | 2048 \$19,496,312 \$0 \$11,459,210 \$17,189,788 \$17,434,621 \$19,496,312 2049 \$19,857,299 \$0 \$11,696,559 \$17,518,402 \$17,777,299 \$19,857,299 | 2048 \$31,533,45 \$0 \$19,370,347 \$19,370,347 \$28,183,992 \$28,373,427 \$31,533,454 2049 \$32,108,726 \$0 \$19,782,400 \$19,782,400 \$28,722,069 \$28,922,161 \$32,108,726 | 2048 \$26,452,443 \$0 \$16,123,802 \$16,123,802 \$23,615,400 \$23,776,419 \$26,462,443 2049 \$26,932,480 \$0 \$16,455,103 \$16,455,103 \$24,053,821 \$24,223,899 \$26,932,480 |
| 2050 \$24,629,328 | \$0 \$16,302,801 \$14,789,736 \$21,839,596 \$24,085,273 \$24,629,328 | 2050 \$20,218,287 \$0 \$11,933,907 \$11,933,907 \$17,847,015 \$18,119,977 \$20,218,287 | 2050 \$32,683,998 \$0 \$20,194,453 \$20,194,453 \$29,260,146 \$29,470,895 \$32,683,998 | 2050 \$27,402,516 \$0 \$16,786,404 \$16,786,404 \$24,492,243 \$24,671,379 \$27,402,516 |
| ECAT Safety | | ECAT Safety | ECAT Safety | ECAT Safety |
| ECAT Safety | Concept E Concept D Concept C Concept B Concept A | Concept E Concept D Concept C Concept B Concept A | Concept E Concept D Concept B Concept A | Concept E Concept D Concept C Concept B Concept A |
| 2031 | \$ 748,770 \$ 748,770 \$ 1,040,129 \$ 1,634,641 \$ 1,763,747 | 2031 \$ 748,770 \$ 748,770 \$ 1,040,129 \$ 1,634,641 \$ 1,763,747 | 2031 \$ 748,770 \$ 748,770 \$ 1,040,129 \$ 1,634,641 \$ 1,763,747 | 2031 \$ 748,770 \$ 748,770 \$ 1,040,129 \$ 1,634,641 \$ 1,763,747 |
| 2032 | \$ 763,371 \$ 763,371 \$ 1,059,372 \$ 1,664,882 \$ 1,098,775 \$ 778,257 \$ 778,257 \$ 1,078,970 \$ 1,695,683 \$ 1,829,609 | 2032 \$ 763,371 \$ 763,371 \$ 1,059,372 \$ 1,664,882 \$ 1,098,775 2033 \$ 778,257 \$ 778,257 \$ 1,078,970 \$ 1,695,683 \$ 1,829,609 | 2032 \$ 763,371 \$ 763,371 \$ 1,059,372 \$ 1,664,882 \$ 1,098,775 2033 \$ 778,257 \$ 778,257 \$ 1,078,970 \$ 1,695,683 \$ 1,829,609 | 2032 \$ 763,371 \$ 763,371 \$ 1,059,372 \$ 1,664,882 \$ 1,098,775 2033 \$ 778,257 \$ 778,257 \$ 1,078,970 \$ 1,695,683 \$ 1,829,609 |
| 2034 | \$ 793,433 \$ 793,433 \$ 1,098,931 \$ 1,727,053 \$ 1,863,457 | 2034 \$ 793,433 \$ 793,433 \$ 1,098,931 \$ 1,727,053 \$ 1,863,457 | 2034 \$ 793,433 \$ 793,433 \$ 1,098,931 \$ 1,727,053 \$ 1,863,457 | 2034 \$ 793,433 \$ 793,433 \$ 1,098,931 \$ 1,727,053 \$ 1,863,457 |
| 2035 | \$ 808,905 \$ 808,905 \$ 1,119,261 \$ 1,759,003 \$ 1,897,930 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 | 2035 \$ 808,905 \$ 808,905 \$ 1,119,261 \$ 1,759,003 \$ 1,897,930 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 | 2035 \$ 808,905 \$ 808,905 \$ 1,119,261 \$ 1,759,003 \$ 1,897,930 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 | 2035 \$ 808,905 \$ 808,905 \$ 1,119,261 \$ 1,759,003 \$ 1,897,930 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 |
| 2037 | \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 \$ 840,760 \$ 840,760 \$ 1,161,057 \$ 1,824,688 \$ 1,968,803 | 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 2037 \$ 840,760 \$ 840,760 \$ 1,161,057 \$ 1,824,688 \$ 1,968,803 | 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 2037 \$ 840,760 \$ 840,760 \$ 1,161,057 \$ 1,824,688 \$ 1,968,803 | 2036 \$ 824,678 \$ 824,678 \$ 1,139,968 \$ 1,791,545 \$ 1,933,042 2037 \$ 840,760 \$ 840,760 \$ 1,161,057 \$ 1,824,688 \$ 1,968,803 |
| 2038 | \$ 857,154 \$ 857,154 \$ 1,182,537 \$ 1,858,445 \$ 2,005,226 | 2038 \$ 857,154 \$ 857,154 \$ 1,182,537 \$ 1,858,445 \$ 2,005,226 | 2038 \$ 857,154 \$ 857,154 \$ 1,182,537 \$ 1,858,445 \$ 2,005,226 | 2038 \$ 857,154 \$ 857,154 \$ 1,182,537 \$ 1,858,445 \$ 2,005,226 |
| 2039 2040 | \$ 873,869 \$ 873,869 \$ 1,204,414 \$ 1,892,826 \$ 2,042,323 \$ 890,909 \$ 890,909 \$ 1,226,695 \$ 1,927,844 \$ 2,080,106 | 2039 \$ 873,869 \$ 873,869 \$ 1,204,414 \$ 1,892,826 \$ 2,042,323 2040 \$ 890,909 \$ 890,909 \$ 1,226,695 \$ 1,927,844 \$ 2,080,106 | 2039 \$ 873,869 \$ 873,869 \$ 1,204,414 \$ 1,892,826 \$ 2,042,323 2040 \$ 890,909 \$ 890,909 \$ 1,226,695 \$ 1,927,844 \$ 2,080,106 | 2039 \$ 873,869 \$ 873,869 \$ 1,204,414 \$ 1,892,826 \$ 2,042,323 2040 \$ 890,909 \$ 890,909 \$ 1,226,695 \$ 1,927,844 \$ 2,080,106 |
| 2041 | \$ 908,282 \$ 908,282 \$ 1,249,389 \$ 1,963,509 \$ 2,118,588 | 2041 \$ 908,282 \$ 908,282 \$ 1,249,389 \$ 1,963,509 \$ 2,118,588 | 2041 \$ 908,282 \$ 908,282 \$ 1,249,389 \$ 1,963,509 \$ 2,118,588 | 2041 \$ 908,282 \$ 908,282 \$ 1,249,389 \$ 1,963,509 \$ 2,118,588 |
| 2042 | \$ 925,994 \$ 925,994 \$ 1,272,503 \$ 1,999,834 \$ 2,157,782 | 2042 \$ 925,994 \$ 925,994 \$ 1,272,503 \$ 1,999,834 \$ 2,157,782 | 2042 \$ 925,994 \$ 925,994 \$ 1,272,503 \$ 1,999,834 \$ 2,157,782 | 2042 \$ 925,994 \$ 925,994 \$ 1,272,503 \$ 1,999,834 \$ 2,157,782 |
| 2043 2044 | \$ 944,050 \$ 944,050 \$ 1,296,044 \$ 2,036,830 \$ 2,197,701 \$ 962,459 \$ 962,459 \$ 1,320,021 \$ 2,074,512 \$ 2,238,358 | 2043 \$ 944,050 \$ 944,050 \$ 1,296,044 \$ 2,036,830 \$ 2,197,701 2044 \$ 962,459 \$ 962,459 \$ 1,320,021 \$ 2,074,512 \$ 2,238,358 | 2043 \$ 944,050 \$ 944,050 \$ 1,296,044 \$ 2,036,830 \$ 2,197,701 2044 \$ 962,459 \$ 962,459 \$ 1,320,021 \$ 2,074,512 \$ 2,238,358 | 2043 \$ 944,050 \$ 944,050 \$ 1,296,044 \$ 2,036,830 \$ 2,197,701 2044 \$ 962,459 \$ 962,459 \$ 1,320,021 \$ 2,074,512 \$ 2,238,358 |
| 2045 | \$ 981,227 \$ 981,227 \$ 1,344,441 \$ 2,112,890 \$ 2,279,768 | 2045 \$ 981,227 \$ 981,227 \$ 1,344,441 \$ 2,112,890 \$ 2,279,768 | 2045 \$ 981,227 \$ 981,227 \$ 1,344,441 \$ 2,112,890 \$ 2,279,768 | 2045 \$ 981,227 \$ 981,227 \$ 1,344,441 \$ 2,112,890 \$ 2,279,768 |
| 2046 | \$ 1,000,361 \$ 1,000,361 \$ 1,369,313 \$ 2,151,979 \$ 2,321,944 \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 | 2046 \$ 1,000,361 \$ 1,000,361 \$ 1,369,313 \$ 2,151,979 \$ 2,321,944 2047 \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 | 2046 \$ 1,000,361 \$ 1,000,361 \$ 1,369,313 \$ 2,151,979 \$ 2,321,944 | 2046 \$ 1,000,361 \$ 1,000,361 \$ 1,369,313 \$ 2,151,979 \$ 2,321,944 |
| 2047 2048 | \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 \$ 1,039,756 \$ 1,039,756 \$ 1,420,447 \$ 2,232,338 \$ 2,408,650 | 2047 \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 2048 \$ 1,039,756 \$ 1,039,756 \$ 1,420,447 \$ 2,232,338 \$ 2,408,650 | 2047 \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 2048 \$ 1,039,756 \$ 1,039,756 \$ 1,420,447 \$ 2,232,338 \$ 2,408,650 | 2047 \$ 1,019,868 \$ 1,019,868 \$ 1,394,646 \$ 2,191,790 \$ 2,364,900 2048 \$ 1,039,756 \$ 1,039,756 \$ 1,420,447 \$ 2,232,338 \$ 2,408,650 |
| 2049 | \$ 1,060,031 \$ 1,060,031 \$ 1,446,725 \$ 2,273,637 \$ 2,453,210 | 2049 \$ 1,060,031 \$ 1,060,031 \$ 1,446,725 \$ 2,273,637 \$ 2,453,210 | 2049 \$ 1,060,031 \$ 1,060,031 \$ 1,446,725 \$ 2,273,637 \$ 2,453,210 | 2049 \$ 1,060,031 \$ 1,060,031 \$ 1,446,725 \$ 2,273,637 \$ 2,453,210 |
| 2050 | \$ 1,080,702 \$ 1,080,702 \$ 1,473,489 \$ 2,315,699 \$ 2,498,595 | 2050 \$ 1,080,702 \$ 1,080,702 \$ 1,473,489 \$ 2,315,699 \$ 2,498,595 | 2050 \$ 1,080,702 \$ 1,080,702 \$ 1,473,489 \$ 2,315,699 \$ 2,498,595 | 2050 \$ 1,080,702 \$ 1,080,702 \$ 1,473,489 \$ 2,315,699 \$ 2,498,595 |
| | | | | |
| 3.1% USDOT Future Disc | counting Rate | SCALED | | SCALED |
| NB/SB Arterial Dela | iay | NB/SB Arterial Delay | Intersection Delay No-Build Concent F Concent D Concent C Concent B Concent A | Intersection Delay |
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| NB/SB Arterial Dela No 2030 2031 | Pay Concept E Concept D Concept C Concept B Concept A 50 56,877,389 56,751,621 510,518,679 510,962,790 512,107,216 50 56,956,375 56,783,010 510,521,919 510,324,302 512,091,628 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept B Concept A 2030 \$5,639,563 \$5,639,563 \$5,831,563 \$6,831,563 \$6,820,005 \$44,11,819 2031 \$0 \$5,640,620 \$5,640,620 \$8,815,681 \$8,820,035 \$10,149,934 | No-Build Concept E Concept D Concept C Concept B Concept A 3030 \$0 \$9,363,148 \$9,363,148 \$14,490,040 \$14,488,167 \$16,589,267 2031 \$0 \$9,394,676 \$9,394,676 \$14,463,160 \$14,469,440 \$16,527,527 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 | lay -Build Concept E Concept D Concept C Concept B Concept A 50 \$6,877,389 \$6,751,621 \$10,518,679 \$10,862,790 \$12,107,216 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept B Concept A 2030 30 \$5,629,563 \$5,629,563 \$8,831,563 \$8,825,035 \$46,421,819 | No-Build Concept E Concept D Concept C Concept B Concept A 50 \$9,363,148 \$9,363,148 \$14,490,040 \$14,488,167 \$16,589,267 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A 2030 50 \$7,958,676 \$7,958,676 \$12,316,534 \$12,314,942 \$14,100,877 |
| NB/SB Arterial Dek No 2030 2031 2032 2033 2034 | Page 18 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A Concept A Concept S S5,640,620 S5,640,620 S5,640,620 S5,645,922 S5,645,922 S5,645,922 S5,645,922 S5,645,922 S5,645,922 S5,645,923 | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 59,383,148 59,363,148 514,480,040 514,488,167 516,589,267 2031 50 59,346,76 59,394,676 514,483,160 514,469,440 516,527,527 2032 50 59,415,843 59,415,843 514,424,797 514,438,741 516,545,501 2033 50 59,427,244 59,427,244 514,375,665 514,348,041 516,377,499 2034 50 59,429,446 59,429,446 514,314,444 514,344,341 516,277,499 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 2031 2032 2033 | Paulid Concept E Concept D Concept C Concept B Concept A 50 56,956,375 56,718,211 510,518,679 510,062,790 511,107,216 50 57,024,393 56,806,407 510,515,475 510,972,295 512,066,032 50 57,024,393 56,806,407 510,515,454 510,972,295 512,066,032 50 57,029,854 56,831,016 510,475,706 511,030,716 511,987,249 50 57,129,854 56,831,016 510,475,706 511,030,716 511,987,249 50 57,168,398 56,833,073 510,443,508 511,042,562 511,935,212 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concep | No-Build Concept E Concept D Concept C Concept B Concept A 1030 50 \$9,363,148 \$9,363,148 \$16,589,267 2031 50 \$9,394,676 \$9,386,767 \$14,483,160 \$14,488,167 \$16,527,527 2032 50 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,545,501 2033 50 \$9,427,244 \$9,427,244 \$14,375,665 \$14,396,807 \$16,379,925 2034 50 \$9,429,446 \$9,429,446 \$14,316,446 \$14,344,341 \$16,277,499 2035 50 \$9,422,993 \$9,422,933 \$11,424,7792 \$14,282,014 \$16,277,499 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2031 2031 2032 2033 2034 2035 2036 2037 | Po-Build Concept E Concept D Concept C Concept B Concept A 50 56,877,389 56,751,621 510,518,679 \$10,862,790 \$11,002,126 50 56,956,375 56,783,010 \$10,521,919 \$10,924,302 \$12,091,628 50 57,024,393 56,806,407 \$10,515,454 \$10,972,295 \$12,066,032 50 57,082,032 \$6,822,265 \$10,499,865 \$11,007,525 \$12,061,032 50 57,128,844 \$6,831,016 \$10,475,706 \$11,030,716 \$11,987,249 50 \$7,188,398 \$6,833,073 \$10,443,508 \$11,042,562 \$11,935,212 50 \$7,198,177 \$6,828,830 \$10,403,775 \$11,043,722 \$11,875,467 50 \$7,219,666 \$6,818,665 \$10,356,990 \$11,034,829 \$11,808,225 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept B Concept A Concept B Concep | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,383,148 \$9,385,168 \$14,480,640 \$16,589,267 2034 50 \$9,394,676 \$9,394,676 \$14,483,160 \$14,483,160 \$16,527,527 2032 50 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,545,501 2033 50 \$9,427,244 \$9,427,244 \$14,317,6656 \$14,396,807 \$16,370,925 2034 50 \$9,429,446 \$9,429,446 \$14,346,446 \$14,344,341 \$16,277,499 2035 50 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 2036 50 \$9,408,403 \$9,408,403 \$14,170,323 \$14,210,466 \$16,373,56 2037 \$0 \$9,386,172 \$9,386,172 \$14,084,682 \$14,130,309 \$15,944,642 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2031 2031 2032 2033 2034 2035 2036 2037 2038 | Paulid Concept E Concept D Concept C Concept B Concept A 50 56,877,389 56,751,621 510,518,679 510,062,790 511,107,216 50 57,024,393 56,806,407 510,515,475 510,972,295 512,066,032 50 57,024,393 56,806,407 510,515,454 510,972,295 512,066,032 50 57,024,393 56,806,407 510,515,454 510,972,295 512,066,032 50 57,129,545 56,831,016 510,475,706 511,030,716 511,987,249 50 57,129,548 56,831,073 510,443,508 511,042,562 511,935,212 50 57,188,197 56,828,830 510,403,775 511,043,722 511,875,467 50 57,219,686 56,818,665 510,356,990 511,034,822 511,808,525 50 57,233,393 56,802,938 510,303,512 511,016,487 511,744,871 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S6,679,563 S6,640,620 S6,767,568 S6,767,569 S6,76 | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,363,148 \$9,363,148 \$15,899,267 2032 50 \$9,394,676 \$9,394,676 \$14,483,160 \$14,488,167 \$15,527,527 2032 50 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,527,527 2033 50 \$9,427,244 \$9,427,244 \$14,375,665 \$14,396,807 \$16,370,925 2034 50 \$9,429,446 \$9,429,446 \$14,316,446 \$14,344,341 \$16,277,499 2035 50 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,774,890 2036 50 \$9,408,403 \$14,170,232 \$14,210,466 \$16,663,735 2037 50 \$9,386,172 \$9,386,172 \$14,084,632 \$14,130,309 \$15,944,642 2038 50 \$9,356,771 \$9,356,772 \$13,991,282 \$14,042,125 \$15,818,187 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2031 2031 2032 2033 2034 2035 2036 2037 | Po-Build Concept E Concept D Concept C Concept B Concept A 50 56,877,389 56,751,621 510,518,679 \$10,862,790 \$11,002,126 50 56,956,375 56,783,010 \$10,521,919 \$10,924,302 \$12,091,628 50 57,024,393 56,806,407 \$10,515,454 \$10,972,295 \$12,066,032 50 57,082,032 \$6,822,265 \$10,499,865 \$11,007,525 \$12,061,032 50 57,128,844 \$6,831,016 \$10,475,706 \$11,030,716 \$11,987,249 50 \$7,188,398 \$6,833,073 \$10,443,508 \$11,042,562 \$11,935,212 50 \$7,198,177 \$6,828,830 \$10,403,775 \$11,043,722 \$11,875,467 50 \$7,219,666 \$6,818,665 \$10,356,990 \$11,034,829 \$11,808,225 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept B Concept A Concept B Concep | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,383,148 \$9,385,168 \$14,480,640 \$16,589,267 2034 50 \$9,394,676 \$9,394,676 \$14,483,160 \$14,483,160 \$16,527,527 2032 50 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,545,501 2033 50 \$9,427,244 \$9,427,244 \$14,317,6656 \$14,396,807 \$16,370,925 2034 50 \$9,429,446 \$9,429,446 \$14,346,446 \$14,344,341 \$16,277,499 2035 50 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 2036 50 \$9,408,403 \$9,408,403 \$14,170,323 \$14,210,466 \$16,373,56 2037 \$0 \$9,386,172 \$9,386,172 \$14,084,682 \$14,130,309 \$15,944,642 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Paulid Concept E Concept D Concept C Concept B Concept A 50 \$6,877,389 \$6,751,621 \$10,518,679 \$10,962,790 \$11,107,216 \$10,518,679 \$10,962,790 \$121,107,216 \$10,518,679 \$10,962,790 \$121,107,216 \$10,518,679 \$10,962,302 \$12,001,628 \$10,57,024,393 \$6,806,407 \$10,515,454 \$10,972,295 \$12,066,032 \$10,962,032 \$6,822,865 \$10,499,865 \$11,007,525 \$12,031,043 \$10,972,295 \$12,031,043 \$10,972,195 \$10,972,295 \$12,031,043 \$10,972,195 \$11,674,971 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$10,972,195 \$11,973,179 \$10,972,195 \$10, | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept C Concept B Concept A S6,679.563 S6,640.570 S6,640. | No-Build Concept E Concept D Concept C Concept B Concept B | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Asy one-Build Concept E Concept D Concept C Concept B Concept A 50 56,975,1821 510,518,679 \$10,682,790 \$121,107,216 50 56,956,375 56,783,010 510,512,1919 \$10,924,302 \$12,091,628 50 \$7,082,032 \$6,822,265 \$10,315,454 \$10,972,295 \$12,066,032 \$0 57,082,032 \$6,822,265 \$10,499,865 \$11,007,525 \$12,081,043 50 \$7,129,864 \$6,831,016 \$10,475,706 \$11,030,716 \$11,987,249 \$0 \$7,186,398 \$6,831,016 \$10,475,706 \$11,030,716 \$11,987,249 \$0 \$7,198,177 \$6,828,830 \$10,403,775 \$11,043,722 \$11,875,467 \$0 \$7,198,177 \$6,828,830 \$10,403,775 \$11,043,722 \$11,875,467 \$0 \$7,219,686 \$6,818,665 \$10,356,990 \$11,034,829 \$11,808,225 \$0 \$7,233,393 \$6,802,938 \$10,303,612 \$11,016,487 \$11,744,871 \$0 \$7,239,748 \$6,781,991 \$10,244,081 \$10,989,271 \$11,654,971 \$0 \$7,239,748 \$6,781,991 \$10,244,081 \$10,989,271 \$11,654,971 \$0 \$7,239,748 \$6,781,991 \$10,244,081 \$10,989,271 \$11,654,971 \$0 \$7,239,748 \$6,781,991 \$10,244,081 \$10,989,271 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,654,971 \$10,97,231 \$10,97,231 \$11,97,247 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept B Concept A Concept A Concept B Concep | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,383,148 \$9,385,168 \$14,480,400 \$16,589,267 \$16,589,267 2032 50 \$9,345,848 \$9,415,843 \$14,424,797 \$14,483,741 \$16,587,527 2033 50 \$9,417,244 \$9,427,244 \$14,375,665 \$14,395,660 \$16,579,925 2034 50 \$9,427,944 \$9,427,244 \$14,316,464 \$14,344,446 \$14,347,669 \$16,779,99 2035 50 \$9,422,993 \$9,429,993 \$14,247,792 \$14,282,014 \$16,717,899 2036 \$0 \$9,408,403 \$9,408,403 \$14,170,323 \$14,210,466 \$16,516,603,735 2037 \$0 \$9,386,172 \$9,386,771 \$13,991,282 \$14,104,205 \$15,846,422 2038 \$0 \$9,356,771 \$9,356,771 \$13,991,282 \$14,042,125 \$15,848,922 2039 \$0 \$9,320,653 \$9,320,653 \$13,890,813 \$13,3946,470 \$15,564,922 < | Intersection Delay No-Build |
| NB/SB Arterial Dek No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Paragraphics | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,563 S5,640,670 | No-Build Concept E Concept D Concept C Concept B Concept A | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Part Concept E Concept D Concept C Concept B Concept A S10,862,7389 \$6,751,621 \$10,518,679 \$10,924,302 \$12,107,216 \$10,518,679 \$10,924,302 \$12,107,216 \$10,518,679 \$10,924,302 \$12,001,628 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$12,066,032 \$10,972,295 \$11,043,572 \$11,043,772 \$11,043,772 \$11,043,772 \$11,043,772 \$11,043,772 \$11,043,772 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,649,563 S5,649,564 S5,649,565 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Part of the content o | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679.563 S5,640.670 | No-Build Concept E Concept D Concept C Concept B Concept B | Intersection Delay No-Build |
| NB/SB Arterial Dels No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | Paragraphics | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A 2031 2031 50 \$5,649,563 \$5,649,522 \$5,640,620 \$5,640 | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,383,148 \$9,386,767 \$9,394,676 \$14,480,400 \$14,483,160 \$16,587,527 2032 50 \$9,345,848 \$9,415,843 \$14,424,797 \$14,483,641 \$16,527,527 2033 50 \$9,415,843 \$9,417,244 \$14,375,665 \$14,343,431 \$16,527,749 2034 50 \$9,427,444 \$9,427,244 \$14,316,646 \$14,344,341 \$16,777,499 2035 50 \$9,422,993 \$9,422,993 \$14,247,792 \$14,220,446 \$16,277,499 2036 50 \$9,408,403 \$9,408,403 \$14,170,323 \$14,210,466 \$16,677,7499 2037 50 \$9,386,172 \$9,386,172 \$1,084,642 \$14,110,309 \$15,944,642 2038 50 \$9,356,771 \$9,356,771 \$13,991,282 \$14,042,125 \$15,818,187 2039 50 \$9,320,653 \$9,320,553 \$13,803,313 \$13,464,70 \$15,643,922 | Intersection Delay No-Build |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 | Part | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A Concept B Concep | No-Build Concept E Concept D Concept C Concept B Sp. 346,746 Sp. 3 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dek No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 | DeBuild Concept E Concept D Concept C Concept B Concept A S10,582,790 S12,107,216 S10,582,790 S10,582,790 S12,107,216 S10,582,790 S11,783,790 S10,782,790 S10,582,790 S10,782,790 S11,782,790 S10,782,790 S10,782,790 S11,782,790 S10,782,790 S10,782,790 S11,782,790 S10,782,790 S10,782, | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A Concept B Concep | No-Build Concept E Concept D Concept C Concept B Concept A 2034 50 \$9,363,148 \$9,263,148 \$15,892,677 \$16,892,677 2034 50 \$9,346,766 \$9,394,676 \$14,480,400 \$14,488,167 \$16,587,5727 2032 \$0 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,575,727 2033 \$0 \$9,427,244 \$14,317,665 \$14,396,807 \$16,577,7499 2034 \$0 \$9,422,946 \$9,427,244 \$14,317,665 \$14,282,014 \$16,777,499 2035 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 2036 \$0 \$9,408,403 \$9,408,403 \$14,170,223 \$14,21,046 \$16,608,735 2037 \$0 \$9,386,172 \$9,386,172 \$14,084,624 \$14,314,303 \$15,944,642 2038 \$0 \$9,320,653 \$9,320,653 \$13,890,813 \$13,493,466,77 \$15,818,187 2039 \$0 \$9,320,653 | Intersection Delay No-Build |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Paragraphics | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,561 S5,640,620 S5,640,640 S5,640,64 | No-Build Concept E Concept D Concept C Concept B Concept A 2031 50 \$9,383,148 \$9,365,761 \$14,480,400 \$144,486,167 \$15,880,267 \$2031 50 \$9,384,676 \$9,394,676 \$14,483,160 \$14,463,460 \$16,527,527 \$2032 2033 \$0 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,741 \$16,545,501 \$2033 \$0 \$9,427,244 \$9,427,244 \$14,275,665 \$14,386,467 \$16,527,7499 \$2034 \$0 \$9,422,946 \$9,427,244 \$14,275,665 \$14,386,445 \$16,527,499 \$2035 \$0 \$9,422,993 \$9,422,993 \$14,282,714 \$14,275,665 \$14,386,467 \$16,370,925 \$2036 \$0 \$9,422,993 \$9,422,993 \$14,282,714 \$14,282,104 \$16,174,890 \$2035 \$0 \$9,488,403 \$9,408,403 \$14,217,223 \$14,210,466 \$16,663,735 \$2037 \$0 \$9,386,172 \$9,386,172 \$14,084,632 \$14,130,309 \$15,944,642 \$2038 \$0 \$9,356,771 \$9,356,771 \$14,084,632 \$14,130,309 \$15,944,642 \$2039 \$0 \$9,356,771 \$9,356,771 \$13,991,282 \$14,102,466 \$16,663,735 \$2039 \$0 \$9,320,653 \$9,30,653 \$13,890,313 \$13,394,670 \$15,684,922 \$2040 \$0 \$9,278,247 \$9,376,714 \$13,734,333 \$13,346,470 \$15,643,922 \$2041 \$0 \$9,278,247 \$9,279,655 \$13,670,541 \$13,734,833 \$15,400,029 \$2042 \$0 \$9,176,198 \$9,176,198 \$9,176,198 \$13,551,699 \$13,374,833 \$15,400,029 \$2042 \$0 \$9,176,198 \$9,176,198 \$13,551,699 \$13,499,339 \$15,249,374 \$2044 \$0 \$9,90,53,666 \$9,005,666 \$13,008,775 \$13,374,833 \$14,933,904 \$2044 \$0 \$9,90,53,666 \$9,005,666 \$13,008,775 \$13,409,339 \$15,908,866 \$2044 \$0 \$9,90,53,666 \$9,90,55,666 \$13,287,75 \$13,309,375 \$14,933,904 \$2047 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,276,701 \$14,431,412 \$2048 \$0 \$8,878,146 \$8,878,146 \$10,275,594 \$12,288,813 \$14,275,594 \$2049 \$0 \$8,878,146 \$8,878,145 \$15,269,377 \$12,288,813 \$14,275,594 \$2049 \$0 \$8,878,146 \$8,878,145 \$15,259,977 \$12,488,188 \$14,275,594 \$2049 \$0 \$8,878,146 \$8,878,145 \$12,269,377 \$12,288,813 \$14,275,594 \$2049 \$0 \$8,878,546 \$8,875,510 \$12,259,377 \$12,288,813 \$14,275,594 \$2049 \$0 \$8,878,592 \$20,468 \$0 \$8,875,510 \$20,468,177 \$12,288,772 \$13,370,488 \$2049 \$0 \$8,878,592 \$20,466,177 \$12,288,772 \$13,370,575 \$14,481,412 \$2049 \$0 \$8,878,592 \$20,466,177 \$12,288,772 \$13,377,575,671 \$13,300,488 \$2049 \$0 \$8,878,592 \$20,466,177 \$12,288,772 \$13,470,188 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Deallid Concept E Concept D Concept C Concept B Concept A 50,5677,389 56,751,621 510,518,679 510,862,790 511,107,216 50 56,956,375 56,783,010 510,512,1919 510,3243,302 512,091,628 50 57,082,032 56,822,265 510,499,865 511,007,525 512,061,032 50 57,082,032 56,822,265 510,499,865 511,007,525 512,031,043 50 57,129,864 56,831,016 510,475,706 511,030,716 511,987,249 50 57,188,398 56,831,016 510,475,706 511,030,716 511,987,249 50 57,198,157 56,828,830 510,403,775 511,042,562 511,935,212 50 57,139,157 56,828,830 510,403,775 511,043,722 511,875,467 50 57,219,686 56,816,665 510,356,990 511,034,829 511,803,225 50 57,239,748 56,781,991 510,244,881 510,983,275 511,016,487 511,744,871 50 57,239,748 56,781,991 510,244,881 510,983,272 511,748,871 50 57,239,748 56,781,991 510,244,881 510,983,272 511,669,267 50 57,239,748 56,781,991 510,246,881 510,983,732 511,569,267 50 57,239,182 56,756,154 510,178,815 510,953,732 511,569,267 50 57,218,968 56,691,045 510,032,652 510,885,9762 511,478,179 50 57,145,638 56,609,946 59,886,902 510,802,309 511,478,179 50 57,145,638 56,609,946 59,886,902 510,802,309 511,281,441 50 57,175,638 56,609,946 59,886,902 510,686,749 510,666,749 50 57,145,638 56,660,946 59,886,902 510,686,749 50 57,145,638 56,660,946 59,886,902 510,686,749 510,667,739 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,073,660 56,460,905 59,592,597 510,515,112 510,518,312 510,599,381 50 56,934,571 56,290,973 59,687,229 510,533,482 510,599,381 50 56,934,571 56,290,973 59,289,706 510,666,749 510,667,738 510,677,738 50 542,600,142 5133,3335,131 5201,142,612 5276,131,152 5228,732,961 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept C Concept B Concept A S5,649,569 S8,815,681 S8,820,095 S10,149,934 2032 S0,5645,806 S5,646,806 S5,646,806 S5,646,806 S6,645,806 S8,763,266 S8,763,277,988 S8,703,818 S10,110,761 S10,064,768 S10 | No-Build Concept E Concept D Concept C Concept B Concept B Concept B Sp. 38,31,489 (2014) 2031 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | Pagestion S142,600,142 S133,335,131 S201,142,6612 S216,113,152 S228,732,961 S10,965,379 S228,732,961 S10,965,379 S10,967,379 S10,979,376 S10,379,379 S | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,561 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept B Concept B Sp. 363,148 Sp. 367 Sp. 363,148 Sp. 367 Sp. 363,148 Sp. 367 Sp. 363,148 Sp. 367 S | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | Deallid Concept E Concept D Concept C Concept B Concept A 50,5677,389 56,751,621 510,518,679 510,862,790 511,107,216 50 56,956,375 56,783,010 510,512,1919 510,3243,302 512,091,628 50 57,082,032 56,822,265 510,499,865 511,007,525 512,061,032 50 57,082,032 56,822,265 510,499,865 511,007,525 512,031,043 50 57,129,864 56,831,016 510,475,706 511,030,716 511,987,249 50 57,188,398 56,831,016 510,475,706 511,030,716 511,987,249 50 57,198,157 56,828,830 510,403,775 511,042,562 511,935,212 50 57,139,157 56,828,830 510,403,775 511,043,722 511,875,467 50 57,219,686 56,816,665 510,356,990 511,034,829 511,803,225 50 57,239,748 56,781,991 510,244,881 510,983,275 511,016,487 511,744,871 50 57,239,748 56,781,991 510,244,881 510,983,272 511,748,871 50 57,239,748 56,781,991 510,244,881 510,983,272 511,669,267 50 57,239,748 56,781,991 510,246,881 510,983,732 511,569,267 50 57,239,182 56,756,154 510,178,815 510,953,732 511,569,267 50 57,218,968 56,691,045 510,032,652 510,885,9762 511,478,179 50 57,145,638 56,609,946 59,886,902 510,802,309 511,478,179 50 57,145,638 56,609,946 59,886,902 510,802,309 511,281,441 50 57,175,638 56,609,946 59,886,902 510,686,749 510,666,749 50 57,145,638 56,660,946 59,886,902 510,686,749 50 57,145,638 56,660,946 59,886,902 510,686,749 510,667,739 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,112,167 56,514,979 59,687,829 510,593,440 510,955,380 50 57,073,660 56,460,905 59,592,597 510,515,112 510,518,312 510,599,381 50 56,934,571 56,290,973 59,687,229 510,533,482 510,599,381 50 56,934,571 56,290,973 59,289,706 510,666,749 510,667,738 510,677,738 50 542,600,142 5133,3335,131 5201,142,612 5276,131,152 5228,732,961 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept C Concept B Concept A S5,649,569 S8,815,681 S8,820,095 S10,149,934 2032 S0,5645,806 S5,646,806 S5,646,806 S5,646,806 S6,645,806 S8,763,266 S8,763,277,988 S8,703,818 S10,110,761 S10,064,768 S10 | No-Build Concept E Concept D Concept C Concept B Concept B Concept B Sp. 38,31,489 (2014) 2031 | Intersection Delay No-Build Concept E Concept D Concept C Concept B Concept A |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2047 2048 2049 2050 TOTAL | Page 1 | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,561 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept B 50 \$9,383,148 \$9 \$9,363,148 \$15,448,3160 \$14,448,167 \$15,589,267 \$10,203 \$14,400,040 \$16,527,527 \$2032 \$0 \$9,415,843 \$9,415,843 \$14,424,797 \$14,438,167 \$16,545,010 \$2033 \$0 \$9,427,244 \$9,427,244 \$14,375,665 \$14,346,443 \$16,545,010 \$2034 \$0 \$9,427,244 \$9,427,244 \$14,375,665 \$14,346,431 \$16,545,010 \$2034 \$0 \$9,422,946 \$9,427,244 \$14,375,665 \$14,346,431 \$16,277,499 \$2035 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 \$2035 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 \$2035 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 \$2036 \$0 \$9,386,172 \$9,386,172 \$14,084,632 \$14,130,309 \$15,944,642 \$2038 \$0 \$9,356,771 \$9,356,771 \$14,084,632 \$14,130,309 \$15,944,642 \$2039 \$0 \$9,320,653 \$9,330,653 \$13,890,313 \$13,946,470 \$15,646,922 \$2040 \$0 \$9,278,247 \$9,356,771 \$13,991,282 \$14,084,647 \$15,646,922 \$2040 \$0 \$9,278,247 \$9,376,747 \$13,737,373 \$13,843,871 \$15,545,369 \$2041 \$0 \$9,229,965 \$9,229,965 \$13,670,541 \$13,734,833 \$15,400,029 \$2042 \$0 \$9,117,319 \$9,117,319 \$9,117,319 \$13,427,628 \$13,499,339 \$15,249,374 \$2044 \$0 \$9,911,7319 \$9,117,319 \$11,347,628 \$133,499,339 \$14,249,374 \$2044 \$0 \$9,913,386 \$9,903,866 \$13,287,774 \$13,373,73 \$14,933,904 \$2044 \$0 \$9,913,386 \$9,903,866 \$13,287,774 \$13,373,73 \$14,933,904 \$2047 \$0 \$8,837,565 \$8,837,565 \$13,427,628 \$13,409,339 \$14,609,350 \$2047 \$0 \$8,837,565 \$8,837,565 \$13,427,768 \$13,427,628 \$13,409,339 \$14,609,350 \$2047 \$0 \$8,837,565 \$8,837,565 \$12,873,374 \$13,373,73 \$14,933,904 \$2045 \$0 \$8,837,565 \$8,837,565 \$12,873,374 \$13,377,710 \$14,431,412 \$2048 \$0 \$8,783,146 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14,431,412 \$2049 \$0 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,710 \$14, | Intersection Delay |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | Part of the property of the pr | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,649,563 S5,649,520 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept B Sp. 267 Sp. 363,148 Sp. 47 Sp. 363,148 Sp. 47 Sp. 363,148 Sp. 47 Sp. 364,788 Sp. 47 Sp. 4 | Intersection Delay |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2047 2048 2049 2050 TOTAL | Part of the property of the pr | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,561 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept B 50 \$9,383,148 \$9 \$9,363,148 \$14,480,460 \$15,589,267 \$14,483,160 \$14,488,167 \$15,589,267 \$2033 \$9 \$9,415,843 \$9,415,843 \$14,427,97 \$14,488,167 \$16,527,527 \$2033 \$9 \$9,415,843 \$9,415,843 \$14,427,97 \$14,488,761 \$16,527,527 \$2033 \$9 \$9,427,244 \$9,427,244 \$14,375,665 \$14,364,371 \$16,545,901 \$2034 \$9 \$8,427,944 \$9,427,446 \$14,375,665 \$14,364,371 \$16,777,499 \$2035 \$9 \$9,422,946 \$9,422,946 \$13,316,446 \$14,344,341 \$16,777,499 \$2035 \$9 \$9,422,993 \$9,422,993 \$14,282,014 \$16,174,890 \$2036 \$9 \$9,408,403 \$9,408,403 \$14,277,92 \$14,282,014 \$16,174,890 \$2037 \$9 \$9,386,172 \$9,386,172 \$14,084,632 \$14,130,309 \$15,944,642 \$2038 \$9 \$9,356,771 \$9,356,771 \$13,991,282 \$14,082,125 \$15,646,642 \$2039 \$9 \$9,356,771 \$9,356,771 \$13,991,282 \$14,042,125 \$15,646,642 \$2039 \$9 \$9,356,771 \$9,356,771 \$13,991,282 \$14,042,125 \$15,648,922 \$2040 \$9 \$9,278,247 \$9,376,714 \$13,991,282 \$14,042,125 \$15,648,922 \$2041 \$9 \$9,329,965 \$9,299,965 \$13,739,337 \$13,848,871 \$915,543,369 \$2041 \$9 \$9,279,645 \$9,279,647 \$9,279,647 \$13,748,33 \$13,334,871 \$915,543,369 \$2042 \$9 \$9,176,198 \$9,176,198 \$9,176,198 \$13,551,699 \$13,379,833 \$15,400,029 \$2042 \$9 \$9,117,319 \$9,117,319 \$13,427,628 \$13,499,339 \$15,249,374 \$2044 \$9 \$9,933,866 \$9,90,55,866 \$13,287,74 \$13,377,373 \$14,933,904 \$2045 \$9 \$8,837,565 \$8,837,565 \$13,887,774 \$13,377,373 \$14,933,904 \$2047 \$9 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,701 \$14,431,412 \$2048 \$9 \$9 \$8,837,565 \$8,837,565 \$12,887,371 \$12,288,813 \$14,257,594 \$2047 \$9 \$8,837,565 \$8,837,565 \$12,887,371 \$12,270,701 \$14,431,412 \$2048 \$9 \$9 \$8,875,510 \$12,248,961 \$14,102,81 \$22,275,366 \$23,412,724 \$7014 Benefit \$199,426,854 \$199,426,854 \$22,175,366 \$23,412,724 \$7014 Benefit \$199,426,854 \$199,426,854 \$22,275,367 \$9 \$330,996,990 \$10000000000000000000000000000000000 | Intersection Delay |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL Segment 5 Mai | Part of the property of the pr | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,649,563 S5,649,520 S5,640,620 S5,640,62 | No-Build | Intersection Delay |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL Segment 5 Mai | Part of the property of the pr | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept B Concept A S5,679,561 S5,640,620 S5,640,62 | No-Build Concept E Concept D Concept C Concept B Concept A 50 \$9,383,148 \$9 \$9,363,148 \$14,480,460 \$16,527,527 \$2032 \$0 \$9,415,843 \$9,415,843 \$14,483,160 \$14,488,167 \$16,527,527 \$2033 \$0 \$9,415,843 \$9,415,843 \$14,424,797 \$14,483,161 \$16,527,527 \$2033 \$0 \$9,427,244 \$9,427,244 \$14,479,70 \$14,438,401 \$16,527,527 \$2034 \$0 \$9,427,244 \$9,427,446 \$9,427,446 \$14,316,446 \$14,344,341 \$16,777,499 \$2035 \$0 \$9,422,946 \$9,427,946 \$13,316,446 \$14,344,341 \$16,777,499 \$2035 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 \$2036 \$0 \$9,422,993 \$9,422,993 \$14,247,792 \$14,282,014 \$16,174,890 \$2037 \$0 \$9,386,172 \$9,386,172 \$14,084,632 \$14,130,309 \$15,944,642 \$2038 \$0 \$9,356,771 \$9,356,771 \$13,991,282 \$14,130,309 \$15,944,642 \$2038 \$0 \$9,356,771 \$9,356,771 \$13,991,282 \$14,130,309 \$15,944,642 \$2039 \$0 \$9,356,771 \$9,356,771 \$13,991,282 \$14,042,125 \$15,818,187 \$2039 \$0 \$9,320,653 \$9,320,653 \$9,320,653 \$13,890,313 \$13,394,675 \$15,649,922 \$2040 \$0 \$9,278,247 \$9,278,247 \$13,783,737 \$13,843,871 \$15,545,369 \$2041 \$0 \$9,278,247 \$9,279,655 \$11,670,541 \$13,734,833 \$151,540,0029 \$2042 \$0 \$9,176,198 \$9,176,198 \$9,176,198 \$13,551,690 \$13,1619,837 \$15,400,29 \$2042 \$0 \$9,117,319 \$9,117,319 \$13,427,628 \$134,99,339 \$15,000,29 \$2044 \$0 \$9,105,868 \$9,905,868 \$13,169,550 \$13,497,839 \$15,993,856 \$2044 \$0 \$9,053,866 \$9,053,866 \$13,1457,593 \$13,427,628 \$131,090,75 \$14,431,412 \$2048 \$0 \$8,837,565 \$8,837,565 \$13,1427,628 \$131,090,75 \$14,431,412 \$2048 \$0 \$8,837,565 \$8,837,565 \$12,883,714 \$13,373,773 \$13,400,009 \$14,431,412 \$2048 \$0 \$8,837,565 \$8,837,565 \$12,883,714 \$13,373,773 \$13,300,000 \$14,431,412 \$12,57,594 \$14,603,305 \$14,603,305 \$14,603,305 \$14,603,305 \$14,603,300 \$1 | Intersection Delay No-Build |
| NB/SB Arterial Dela No 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL Segment 5 Mai | Part of the property of the pr | NB/SB Arterial Delay No-Build Concept E Concept D Concept C Concept C Concept C Concept B Concept A S5,649,569 S5,640,570 | No-Build | Intersection Delay |

Values for Input into USDOT Cost-Benefit Spreadsheet

12.4% daily truck percentage - US 23 11.0% daily truck percentage - intersections (all vehicles)

\$22.89 weighted average value of time - US 23 \$22.60 weighted average value of time - intersections/all vehicles

| Values for Input into USDO | OI Cost-Benefit S | preadsneet | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|--|--|--|--|---|--|---|--|--|--|------|--|---|--|---|---|---|--|----------------------------|--|--|--|---|--|
| | | | | | | | | | | | | _ | | | | | | | | | | | | | |
| | | | | | | SCALE | | | | | | | | | | | | | SCALED | | | | | | |
| NB/SB Arterial | | | | | | NB/SB | Arterial Delay | | | | | Inte | ersection Delay | | | | | | Intersection | | | | | | |
| | No-Build | Concept D Cor | ncept C Co | oncept B (| Concept A | | No-Build | Concept D | Concept C | Concept B | Concept A | | | No-Build | Concept D C | oncept C Co | oncept B Co | oncept A | | $\overline{}$ | No-Build | Concept D | Concept C | Concept B C | oncept A |
| 2030 \$30,775,687 | \$0 | \$25,763,510 | \$29,610,588 | \$30,775,687 | \$30,775,687 | 2030 \$19,3 | 17,078 | \$0 \$14,988,53 | 3 \$18,151,979 | \$19,317,078 | \$19,317,078 | | 2030 \$46,936,879 | 9 \$0 | \$36,971,702 | \$44,764,004 | \$46,936,879 | \$46,936,879 | 2030 | \$29,637,422 | \$0 | \$21,370,858 | \$27,464,546 | \$29,637,422 | \$29,637,422 |
| 2031 \$31,760,234 | \$0 | \$26,562,952 | \$30,472,930 | \$31,760,234 | \$31,760,234 | 2031 \$19,6 | | \$0 \$15,264,28 | 2 \$18,415,821 | \$19,684,475 | \$19,684,475 | | 2031 \$48,089,578 | 8 \$0 | \$37,899,840 | \$45,808,563 | \$48,089,578 | \$48,089,578 | 2031 | \$30,061,445 | \$0 | \$21,593,091 | \$27,812,948 | \$30,061,445 | \$30,061,445 |
| 2032 \$32,744,780 | \$0 | \$27,362,394 | \$31,335,273 | \$32,744,780 | \$32,744,780 | 2032 \$20,0 | | \$0 \$15,540,03 | 1 \$18,679,663 | \$20,051,873 | \$20,051,873 | | 2032 \$49,242,276 | 5 \$0 | \$38,827,978 | \$46,853,123 | \$49,242,276 | \$49,242,276 | 2032 | \$30,485,468 | \$0 | \$21,815,325 | \$28,161,349 | \$30,485,468 | \$30,485,468 |
| 2033 \$33,729,327 | \$0 | | \$32,197,615 | \$33,729,327 | \$33,729,327 | | | \$0 \$15,815,77 | | \$20,419,270 | \$20,419,270 | | 2033 \$50,394,975 | s śn | \$39,756,116 | \$47,897,683 | \$50,394,975 | \$50,394,975 | 2033 | | \$n | \$22,037,559 | | \$30,909,491 | \$30,909,491 |
| 2034 \$34,713,873 | \$0 | | \$33,059,958 | \$34,713,873 | \$34,713,873 | | | \$0 \$16,091,52 | | \$20,786,667 | \$20,786,667 | | 2034 \$51,547,674 | 4 \$0 | \$40,684,254 | \$48,942,242 | \$51,547,674 | \$51,547,674 | 2034 | | \$0 | | | \$31,333,514 | |
| | | | | | | | | | | | , , | | | | | | | | | | | | | | \$31,333,514 |
| 2035 \$35,698,420 | \$0 | | \$33,922,300 | \$35,698,420 | \$35,698,420 | | | \$0 \$16,367,27 | | \$21,154,064 | \$21,154,064 | | 2035 \$52,700,372 | 2 \$0 | \$41,612,392 | \$49,986,802 | \$52,700,372 | \$52,700,372 | 2035 | | \$0 | | | \$31,757,537 | \$31,757,537 |
| 2036 \$36,682,966 | \$0 | | \$34,784,643 | \$36,682,966 | \$36,682,966 | | | \$0 \$16,643,02 | | \$21,521,461 | \$21,521,461 | | 2036 \$53,853,071 | 1 \$0 | \$42,540,530 | \$51,031,362 | \$53,853,071 | \$53,853,071 | 2036 | | \$0 | | | \$32,181,560 | \$32,181,560 |
| 2037 \$37,667,513 | \$0 | \$31,359,606 | \$35,646,985 | \$37,667,513 | \$37,667,513 | 2037 \$21,8 | | \$0 \$16,918,77 | 4 \$19,998,874 | \$21,888,859 | \$21,888,859 | | 2037 \$55,005,769 | 9 \$0 | \$43,468,668 | \$52,075,921 | \$55,005,769 | \$55,005,769 | 2037 | | \$0 | \$22,926,494 | \$29,903,357 | \$32,605,583 | \$32,605,583 |
| 2038 \$38,652,059 | \$0 | \$32,159,049 | \$36,509,327 | \$38,652,059 | \$38,652,059 | 2038 \$22,2 | | \$0 \$17,194,52 | 3 \$20,262,717 | \$22,256,256 | \$22,256,256 | | 2038 \$56,158,468 | 8 \$0 | \$44,396,806 | \$53,120,481 | \$56,158,468 | \$56,158,468 | 2038 | | \$0 | \$23,148,728 | \$30,251,758 | \$33,029,606 | \$33,029,606 |
| 2039 \$39,636,605 | \$0 | \$32,958,491 | \$37,371,670 | \$39,636,605 | \$39,636,605 | 2039 \$22,6 | | \$0 \$17,470,27 | 2 \$20,526,559 | \$22,623,653 | \$22,623,653 | | 2039 \$57,311,166 | 6 \$0 | \$45,324,944 | \$54,165,040 | \$57,311,166 | \$57,311,166 | 2039 | | \$0 | \$23,370,962 | \$30,600,160 | \$33,453,629 | \$33,453,629 |
| 2040 \$40,621,152 | \$0 | \$33,757,934 | \$38,234,012 | \$40,621,152 | \$40,621,152 | 2040 \$22,9 | | \$0 \$17,746,02 | 0 \$20,790,401 | \$22,991,050 | \$22,991,050 | | 2040 \$58,463,865 | 5 \$0 | \$46,253,082 | \$55,209,600 | \$58,463,865 | \$58,463,865 | 2040 | | \$0 | \$23,593,196 | \$30,948,561 | \$33,877,652 | \$33,877,652 |
| 2041 \$41,605,698 | \$0 | \$34,557,376 | \$39,096,355 | \$41,605,698 | \$41,605,698 | 2041 \$23,3 | | \$0 \$18,021,76 | 9 \$21,054,243 | \$23,358,448 | \$23,358,448 | | 2041 \$59,616,564 | 4 \$0 | \$47,181,220 | \$56,254,160 | \$59,616,564 | \$59,616,564 | 2041 | | \$0 | | | \$34,301,675 | \$34,301,675 |
| 2042 \$42,590,245 | \$0 | | \$39.958.697 | \$42,590,245 | \$42,590,245 | | | \$0 \$18,297,51 | | \$23,725,845 | \$23,725,845 | | 2042 \$60,769,262 | | \$48,109,358 | \$57,298,719 | \$60,769,262 | \$60,769,262 | 2042 | | \$0 | | | \$34,725,698 | \$34,725,698 |
| 2043 \$43,574,791 | \$0 | \$36,156,261 | \$40,821,040 | \$43,574,791 | \$43,574,791 | | | \$0 \$18,573,26 | | \$24,093,242 | \$24,093,242 | | 2043 \$61,921,961 | 50 | \$49,037,496 | \$58,343,279 | \$61,921,961 | \$61,921,961 | 2043 | | \$0 | | | \$35,149,721 | \$35,149,721 |
| 2044 \$44,559,338 | \$0 | | \$41,683,382 | \$44,559,338 | \$44,559,338 | | | \$0 \$18,849.01 | | \$24,460,639 | \$24,460,639 | | 2044 \$63,074,659 | | \$49,965,634 | | \$63,074,659 | | 2043 | | | | | \$35,573,744 | |
| | | , | . , | , ,, | , ,, | | | | | . , , | , , , | | | \$0 | | \$59,387,838 | 11111 | \$63,074,659 | | | \$0 | | | | \$35,573,744 |
| 2045 \$45,543,884 | \$0 | | \$42,545,725 | \$45,543,884 | \$45,543,884 | | | \$0 \$19,124,76 | | \$24,828,036 | \$24,828,036 | | 2045 \$64,227,358 | | \$50,893,773 | \$60,432,398 | \$64,227,358 | \$64,227,358 | 2045 | | \$0 | | | \$35,997,767 | \$35,997,767 |
| 2046 \$46,528,431 | \$0 | , | \$43,408,067 | \$46,528,431 | \$46,528,431 | | | \$0 \$19,400,51 | | \$25,195,434 | \$25,195,434 | | 2046 \$65,380,056 | 5 \$0 | \$51,821,911 | \$61,476,958 | \$65,380,056 | \$65,380,056 | 2046 | | \$0 | | | \$36,421,790 | \$36,421,790 |
| 2047 \$47,512,977 | \$0 | \$39,354,031 | \$44,270,410 | \$47,512,977 | \$47,512,977 | 2047 \$25,5 | | \$0 \$19,676,26 | 1 \$22,637,297 | \$25,562,831 | \$25,562,831 | | 2047 \$66,532,755 | 5 \$0 | \$52,750,049 | \$62,521,517 | \$66,532,755 | \$66,532,755 | 2047 | | \$0 | \$25,148,832 | \$33,387,372 | \$36,845,813 | \$36,845,813 |
| 2048 \$48,497,524 | \$0 | \$40,153,473 | \$45,132,752 | \$48,497,524 | \$48,497,524 | 2048 \$25,9 | | \$0 \$19,952,01 | 0 \$22,901,139 | \$25,930,228 | \$25,930,228 | | 2048 \$67,685,454 | 4 \$0 | \$53,678,187 | \$63,566,077 | \$67,685,454 | \$67,685,454 | 2048 | | \$0 | \$25,371,066 | \$33,735,773 | \$37,269,836 | \$37,269,836 |
| 2049 \$49,482,070 | \$0 | \$40,952,916 | \$45,995,095 | \$49,482,070 | \$49,482,070 | 2049 \$26,2 | | \$0 \$20,227,75 | 9 \$23,164,981 | \$26,297,625 | \$26,297,625 | | 2049 \$68,838,152 | 2 \$0 | \$54,606,325 | \$64,610,637 | \$68,838,152 | \$68,838,152 | 2049 | | \$0 | \$25,593,300 | \$34,084,175 | \$37,693,859 | \$37,693,859 |
| 2050 \$50,466,616 | \$0 | | \$46.857.437 | \$50,466,616 | \$50,466,616 | 2050 \$26,6 | | \$0 \$20,503,50 | | \$26,665,023 | \$26,665,023 | | 2050 \$69,990,851 | | | \$65,655,196 | \$69,990,851 | \$69,990,851 | 2050 | \$38,117,882 | \$0 | | | \$38.117.882 | \$38,117,882 |
| | - | ¥ -=/=/ | ,, | 400,, | 700,100,000 | | | ** ******** | . ,,, | +,, | 1-0,000,000 | | | | *************************************** | 7-17,111,111 | *************************************** | 440,000,000 | | | ** | ¥-0,0-0,00 | 40.,, | **** | **** |
| ECAT Safety | | | | | | ECAT S | afety | | | | | | ECAT Safety | | | | | | _ | ECAT Safety | | | | | |
| LCAI Salety | | Concept D Co | ncept C Co | oncept B (| Concept A | LCAI 3 | arety | Concept D | Concept C | Concept B | Concept A | | LCAT Safety | | Concept D C | oncept C Co | ancont P Co | oncept A | _ | LCAT Safety | | Concept D | Concept C | Concont P C | oncept A |
| 2024 | | | | | | | | | | | | | 2024 | | | | | | 2024 | | | | | | |
| 2031 | | \$ 461,108 \$ | . , | | | | | \$ 461,10 | | | | | 2031 | | | \$ 814,728 \$ | | | 2031 | | | | \$ 814,728 | | |
| 2032 | | \$ 470,146 \$ | | , , . | | | | \$ 470,14 | | | | | 2032 | | | \$ 830,697 \$ | | | 2032 | | | \$ 470,146 | | \$ 1,008,544 | |
| 2033 | | \$ 479,360 \$ | 846,979 \$ | 1,028,311 | \$ 1,047,636 | | | \$ 479,36 | 3 \$ 846,979 | \$ 1,028,311 | \$ 1,047,636 | | 2033 | | \$ 479,360 | \$ 846,979 \$ | 1,028,311 \$ | 1,047,636 | 2033 | | | \$ 479,360 | \$ 846,979 | \$ 1,028,311 | \$ 1,047,636 |
| 2034 | | \$ 488,756 \$ | 863,580 \$ | 1,048,466 | \$ 1,068,170 | | | \$ 488,75 | 5 \$ 863,580 | \$ 1,048,466 | \$ 1,068,170 | | 2034 | | \$ 488,756 | \$ 863,580 \$ | 1,048,466 \$ | 1,068,170 | 2034 | | | \$ 488,756 | \$ 863,580 | \$ 1,048,466 | \$ 1,068,170 |
| 2035 | | \$ 498,336 \$ | 880,506 \$ | 1,069,016 | \$ 1,089,106 | | | \$ 498,33 | 5 \$ 880,506 | \$ 1,069,016 | \$ 1,089,106 | | 2035 | | \$ 498,336 | \$ 880,506 \$ | 1,069,016 \$ | 1,089,106 | 2035 | | | \$ 498,336 | \$ 880,506 | \$ 1,069,016 5 | \$ 1,089,106 |
| 2036 | | \$ 508.103 \$ | 897.764 \$ | 1,089,969 | \$ 1.110.452 | | | \$ 508.10 | 3 \$ 897.764 | \$ 1,089,969 | \$ 1.110.452 | | 2036 | | \$ 508,103 | | | | 2036 | | | \$ 508.103 | \$ 897.764 | \$ 1,089,969 | 5 1.110.452 |
| 2037 | | \$ 518.062 \$ | | 1,111,332 | | | | \$ 518.06 | | \$ 1,111,332 | | | 2037 | | | 915,360 \$ | | | 2037 | | | \$ 518.062 | | \$ 1,111,332 | |
| 2038 | | \$ 528,216 \$ | | | | | | \$ 528.21 | | | | | 2038 | | | 933,301 \$ | | | 2038 | | | \$ 528,216 | | \$ 1,133,114 | |
| | | 7, 7 | | | | | | | | | | ` | | | | | | | _ | | | +, | | | |
| 2039 | | \$ 538,569 \$ | 951,594 \$ | | | | | \$ 538,56 | | | | | 2039 | | | \$ 951,594 \$ | | | 2039 | | | \$ 538,569 | | \$ 1,155,323 | |
| 2040 | | | 970,245 \$ | , , | , , , , , , , | | | | 5 \$ 970,245 | | | | 2040 | | | \$ 970,245 \$ | | | 2040 | | | | \$ 970,245 | | |
| 2041 | | \$ 559,888 \$ | | 1,201,056 | | | | \$ 559,88 | | \$ 1,201,056 | | | 2041 | | | \$ 989,262 \$ | | | 2041 | | | \$ 559,888 | | \$ 1,201,056 | |
| 2042 | | \$ 570,861 \$ | 1,008,651 \$ | 1,224,596 | \$ 1,247,610 | | | \$ 570,86 | 1 \$ 1,008,651 | \$ 1,224,596 | \$ 1,247,610 | | 2042 | | | \$ 1,008,651 \$ | | | 2042 | | | | \$ 1,008,651 | | |
| 2043 | | \$ 582,050 \$ | 1,028,421 \$ | 1,248,599 | \$ 1,272,063 | | | \$ 582,05 | 0 \$ 1,028,421 | \$ 1,248,599 | \$ 1,272,063 | | 2043 | | \$ 582,050 | \$ 1,028,421 \$ | 1,248,599 \$ | 1,272,063 | 2043 | | | \$ 582,050 | \$ 1,028,421 | \$ 1,248,599 | \$ 1,272,063 |
| 2044 | | \$ 593,458 \$ | 1,048,578 \$ | 1,273,071 | \$ 1,296,996 | | | \$ 593,45 | 8 \$ 1,048,578 | \$ 1,273,071 | \$ 1,296,996 | | 2044 | | \$ 593,458 | \$ 1,048,578 \$ | 1,273,071 \$ | 1,296,996 | 2044 | | | \$ 593,458 | \$ 1,048,578 | \$ 1,273,071 | 1,296,996 |
| 2045 | | \$ 605,090 \$ | 1,069,130 \$ | 1,298,023 | \$ 1,322,417 | | | \$ 605,09 | \$ 1,069,130 | \$ 1,298,023 | \$ 1,322,417 | | 2045 | | \$ 605,090 | \$ 1,069,130 \$ | 1,298,023 \$ | 1,322,417 | 2045 | | | \$ 605,090 | \$ 1,069,130 | \$ 1,298,023 | \$ 1,322,417 |
| 2046 | | \$ 616.950 \$ | 1,090,085 \$ | 1.323.465 | \$ 1,348,336 | | | \$ 616.95 | \$ 1,090,085 | \$ 1,323,465 | \$ 1,348,336 | | 2046 | | \$ 616.950 | \$ 1,090,085 \$ | 1.323.465 S | 1.348.336 | 2046 | | | \$ 616.950 | \$ 1,090,085 | \$ 1,323,465 | 5 1.348.336 |
| 2047 | | | 1,111,450 \$ | | | | | | 2 \$ 1,111,450 | | | | 2047 | | | \$ 1,111,450 \$ | | | 2047 | | | | \$ 1,111,450 | | |
| | | y 025,012 y | | | | | | | | | | | | | | | | | _ | | | | 9 1,111,150 | y 1,5-15,10-1 . | |
| | | \$ 6/1 371 \$ | 1 133 235 \$ | 1 375 853 | \$ 1,401,700 | | | \$ 641.37 | 1 \$ 1.133.235 | | | | 2048 | | | | | | | | | \$ 6/1 371 | \$ 1 133 235 | \$ 1375.853 | 1 1/01 700 |
| 2048 | | | 1,133,235 \$ | | | | | | 1 \$ 1,133,235 | \$ 1,375,853 | \$ 1,401,709 | | 2048 | | | | 1,375,853 \$ | | 2048 | | | | \$ 1,133,235 | | |
| 2048 2049 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 | | | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | | | \$ 653,942 | | 1,402,819 \$ | 1,429,183 | _ | | | \$ 653,942 | | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 2050 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 2050 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 2050 | | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | SCALEI | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | | 2049 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | | | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 2050 3.1% USDOT Future | Discounting Rate | \$ 653,942 \$ | 1,155,446 \$ | 1,402,819 | \$ 1,429,183 | | | \$ 653,94 | 2 \$ 1,155,446 | \$ 1,375,853 \$ 1,402,819 | \$ 1,401,709 \$ 1,429,183 | l | 2049 2050 | | \$ 653,942 | \$ 1,155,446 \$ | 1,402,819 \$ | 1,429,183 | 2049 | SCALED | lav | \$ 653,942 | \$ 1,155,446 | \$ 1,402,819 | \$ 1,429,183 |
| 2048 2049 2050 | Discounting Rate | \$ 653,942 \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ | 1,402,819 1,430,315 | \$ 1,429,183 \$ 1,457,195 | | Arterial Delay | \$ 653,94 \$ 666,76 | 2 \$ 1,155,446 0 \$ 1,178,093 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 | L | 2049 | Delay | \$ 653,942 : \$ 666,760 : | \$ 1,155,446 \$ \$ 1,178,093 \$ | 1,402,819 \$ 1,430,315 \$ | 5 1,429,183 5 1,457,195 | 2049 | SCALED Intersection Del | | \$ 653,942 \$ 666,760 | \$ 1,155,446 \$ 1,178,093 | \$ 1,402,819 : \$ 1,430,315 : | \$ 1,429,183 \$ 1,457,195 |
| 2048 2049 2050 3.1% USDOT Future | Discounting Rate | \$ 653,942 \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ | 1,402,819 1,430,315 | \$ 1,429,183 \$ 1,457,195 | NB/SB | | \$ 653,94 | 2 \$ 1,155,446 0 \$ 1,178,093 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 | \$ 1,401,709 \$ 1,429,183 | l | 2049 2050 | Delay | \$ 653,942 : \$ 666,760 : Concept D C | \$ 1,155,446 \$ \$ 1,178,093 \$ concept C Cc | 1,402,819 \$ 1,430,315 \$ | 5 1,429,183 5 1,457,195 | 2049 2050 | SCALED Intersection Del | lay No-Build | \$ 653,942 \$ 666,760 Concept D | \$ 1,155,446 \$ 1,178,093 | \$ 1,402,819 : \$ 1,430,315 : | 5 1,429,183 5 1,457,195 |
| 2048 2049 2050 3.1% USDOT Future: NB/SB Arterial | Discounting Rate Delay No-Build SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ \$ 653,042 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ | 1,402,819 1,430,315 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 | NB/SB 2030 | Arterial Delay | \$ 653,94 \$ 666,76 | 2 \$ 1,155,446 \$ 1,178,093 Concept C 7 \$14,218,528 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A | l | 2049 2050 Intersection I | Delay No-Build | \$ 653,942 \$ 666,760 \$ Concept D \$ 528,960,104 | 5 1,155,446 \$ \$ 1,178,093 \$ \$ oncept C C \$ 335,063,850 | 1,402,819 \$ 1,430,315 \$ oncept B Cc \$36,765,873 | 5 1,429,183 5 1,457,195 concept A 536,765,873 | 2049 2050 | SCALED Intersection Del | No-Build \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 | \$ 1,402,819 : \$ 1,430,315 : | 1,429,183 5 1,457,195 oncept A \$23,215,129 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 | Discounting Rate Delay No-Build SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ \$ 656,760 \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 650,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 | 1,402,819 1,430,315 oncept B (\$24,106,737 \$24,129,910 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 | NB/SB 2030 2031 | Arterial Delay | \$ 653,94 \$ 666,76 | 2 \$ 1,155,446 0 \$ 1,178,093 Concept C 7 514,218,528 3 513,991,462 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$1,431,156 \$14,955,325 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,131,156 \$14,955,325 | | 2049 2050 Intersection I 2030 2031 | Delay No-Build | \$ 653,942 | 5 1,155,446 \$ 5 1,178,093 \$ oncept C C 535,063,850 \$34,803,161 | 1,402,819 \$ 1,430,315 \$ concept B Cc 336,765,873 \$36,536,166 | 5. 1,429,183 5. 1,457,195 concept A 536,765,873 536,536,166 | 2049 2050 2030 2031 | SCALED Intersection Del | No-Build \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 | \$ 1,402,819 ! \$ 1,430,315 ! | 5 1,429,183 5 1,457,195 oncept A 523,215,129 \$22,839,251 |
| 2048 2049 2050 3.1% USDOT Future INB/SB Arterial 2030 2031 2032 | Discounting Rate Delay No-Build SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 | 1,402,819 1,430,315 oncept B 524,106,737 524,129,910 524,129,895 | \$ 1,429,183 \$ 1,457,195 Concept A 524,106,737 524,129,910 524,129,995 | NB/SB 2030 2031 2032 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,5 \$0 \$11,451,55 | 2 \$ 1,155,446 0 \$ 1,178,093 Concept C 5 13,218,528 3 \$13,991,462 5 \$13,765,196 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$ 541,955,325 \$ 14,776,388 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,191,156 \$14,955,325 \$14,776,388 | | 2030 2031 2032 | Delay No-Build S0 S0 S0 | \$ 653,942 : \$ 666,760 : Concept D C 528,960,104 \$28,794,490 \$28,612,652 | oncept C C S35,063,850 S34,803,161 S34,526,447 | 1,402,819 \$ 1,430,315 \$ concept B Co 336,765,873 \$36,536,166 \$36,287,034 | oncept A 586,765,873 586,586,166 536,287,034 | 2049 2050 2030 2031 2032 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D 516,739,891 \$16,405,400 \$16,075,890 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | 5 1,429,183 5 1,457,195 oncept A 523,215,129 522,839,251 \$22,464,989 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 | Discounting Rate Delay No-Build SO SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 523,013,273 | 1,402,819 1,430,315 oncept B (\$24,106,737 \$24,129,910 \$24,129,915 \$24,129,895 \$24,108,065 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,108,065 | NB/SB 2030 2031 2032 2033 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,55 50 \$11,840,55 50 \$11,340,35 | Concept C 7 514,218,528 3 51,991,462 5 13,765,196 2 513,539,887 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$14,955,325 \$14,776,388 \$14,594,690 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,181,155 \$14,975,325 \$14,776,325 \$14,776,325 | | 2049 2050 Intersection I 2030 2031 2032 2032 | Delay No-Build So So So So | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Co 535,063,850 534,803,161 534,526,447 534,234,910 | 1,402,819 \$ 1,430,315 \$ concept B CC 336,765,873 336,536,166 336,287,034 \$36,019,851 | oncept A 536,765,873 536,765,873 536,536,166 536,079,851 | 2049 2050 2030 2031 2032 2033 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D 516,739,891 \$16,405,400 \$16,075,890 \$15,751,364 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,131,305 \$20,752,327 \$20,377,369 | \$ 1,402,819 \$ 1,430,315 \$ 1,430,315 \$ 1 Concept B \$ 523,215,129 \$ 522,829,258 \$ 522,092,585 | 5 1,429,183 5 1,457,195 0ncept A 523,215,129 522,839,251 522,464,989 \$22,092,585 |
| 2048 2049 2050 3.1% USDOT Future INB/SB Arterial 2030 2031 2032 | Discounting Rate Delay No-Build SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 | 1,402,819 1,430,315 oncept B 524,106,737 524,129,910 524,129,895 | \$ 1,429,183 \$ 1,457,195 Concept A 524,106,737 524,129,910 524,129,995 | NB/SB 2030 2031 2032 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,5 \$0 \$11,451,55 | Concept C 7 514,218,528 3 51,991,462 5 13,765,196 2 513,539,887 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$ 541,955,325 \$ 14,776,388 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,191,156 \$14,955,325 \$14,776,388 | | 2030 2031 2032 | Delay No-Build S0 S0 S0 | \$ 653,942 : \$ 666,760 : Concept D C 528,960,104 \$28,794,490 \$28,612,652 | oncept C C S35,063,850 S34,803,161 S34,526,447 | 1,402,819 \$ 1,430,315 \$ concept B Co 336,765,873 \$36,536,166 \$36,287,034 | oncept A 586,765,873 586,586,166 536,287,034 | 2049 2050 2030 2031 2032 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D 516,739,891 \$16,405,400 \$16,075,890 \$15,751,364 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,131,305 \$20,752,327 \$20,377,369 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | 5 1,429,183 5 1,457,195 oncept A 523,215,129 522,839,251 \$22,464,989 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 | Discounting Rate Delay No-Build SO SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 523,013,273 | 1,402,819 1,430,315 oncept B (\$24,106,737 \$24,129,910 \$24,129,915 \$24,129,895 \$24,108,065 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,108,065 | NB/SB 2030 2031 2032 2033 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,55 50 \$11,840,55 50 \$11,340,35 | Concept C 7 514218.528 3 513,991,462 5 513,765,196 9 513,315,682 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$14,955,325 \$14,776,388 \$14,594,690 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,181,155 \$14,975,325 \$14,776,325 \$14,776,325 | | 2049 2050 Intersection I 2030 2031 2032 2032 | Delay No-Build So So So So | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Co 535,063,850 534,803,161 534,526,447 534,234,910 | 1,402,819 \$ 1,430,315 \$ concept B CC 336,765,873 336,536,166 336,287,034 \$36,019,851 | oncept A 536,765,873 536,765,873 536,536,166 536,079,851 | 2049 2050 2030 2031 2032 2033 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,775,896 \$15,751,364 \$15,431,819 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 \$20,373,327 \$20,373,327 \$20,373,327 \$20,076,017 | \$ 1,402,819 \$ 1,430,315 \$ 1,430,315 \$ 1 Concept B \$ 523,215,129 \$ 522,829,258 \$ 522,092,585 | 5 1,429,183 5 1,457,195 oncept A 523,215,129 522,839,251 522,464,989 \$22,092,585 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 | Discounting Rate Delay No-Build SO SO SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 523,013,273 522,919,140 | 1,402,819 1,430,315 oncept B 524,106,737 524,129,910 524,129,895 524,108,065 524,065,733 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,108,065 \$24,065,733 | NB/SB 2030 2031 2032 2033 2034 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,55 50 \$11,397,07 50 \$11,315,56 | Concept C 7 513,218,528 3 513,991,462 5 513,765,196 2 513,539,887 9 513,315,682 1 513,092,719 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 515,131,156 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 | | 2049 2050 Intersection I 2030 2031 2032 2033 2034 2035 2036 | Delay No-Build So So So So | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C 534,803,161 534,256,447 534,256,447 534,256,495 534,296,689 | 1,402,819 \$ 1,430,315 \$ concept B 36,765,873 \$36,536,166 \$36,287,034 \$36,018,851 \$35,735,930 | oncept A 536,745,873 536,536,166 536,279,873 536,536,166 536,287,034 536,536,19,851 535,735,930 | 2049 2050 2030 2031 2032 2033 2034 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,775,896 \$15,751,364 \$15,431,819 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 \$20,006,197 \$19,638,923 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 523,215,129 \$22,839,251 \$22,464,989 \$22,092,585 \$21,722,265 |
| 2048 2049 2050 3.1% USDOT Future INB/SB Arterial 2030 2031 2032 2033 2034 2035 | Discounting Rate Delay No-Build SO SO SO SO SO SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,76 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,091,217 523,013,273 522,919,140 522,809,861 | 1,402,819 1,430,315 oncept B (524,106,737 524,129,910 524,129,910 524,108,065 524,065,733 \$24,004,151 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,915 \$24,08,065 \$24,065,733 \$24,004,151 | NB/SB 2030 2031 2032 2033 2034 2035 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,55 \$ 0 \$11,970,0 \$ 0 \$11,930,3 \$ 0 \$11,155,6 \$ 0 \$11,155,6 | Concept C 7 514,218,528 3 513,991,462 5 513,765,196 5 13,539,887 9 513,315,682 1 513,092,719 9 512,871,125 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$441,156 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,224,309 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 35,131156 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,222,309 | | 2030 2031 2032 2033 2034 2035 | Delay No-Build 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,76 | oncept C Cc 535,063,850 534,803,161 534,224,910 533,229,689 533,611,872 | ncept B Cc 536,765,873 536,586,166 536,287,034 536,019,851 535,735,930 \$35,436,517 | oncept A 586,765,873 586,7865,873 586,786,873 586,287,034 586,038,51 586,385,285,303 535,335,330 535,3436,517 | 2030 2030 2031 2032 2033 2034 2035 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,807,647 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,95 \$20,752,327 \$20,075,2327 \$20,006,197 \$19,638,923 \$19,275,648 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | 0ncept A 523,215,129 522,839,251 522,464,989 522,092,585 521,722,265 521,354,242 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 523,013,273 522,819,140 522,809,861 522,686,434 | 1,402,819 1,430,315 oncept B 524,106,737 524,129,910 524,129,995 524,065,733 524,004,151 523,924,514 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,924,514 | NB/SB 2030 2031 2032 2033 2034 2035 2036 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,51 50 \$11,340,31 50 \$11,340,31 50 \$11,340,31 50 \$11,00,34 50 \$11,00,84 | Concept C 7 51,218,528 3 51,391,462 513,765,196 513,315,682 1 513,092,719 9 512,871,125 1 512,651,021 | Concept B 5.4476,832 5.14430,315 Concept B 5.4476,832 5.14,76,838 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 5.14,76,630 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$15,131,155 \$14,955,328 \$14,752,388 \$14,594,690 \$14,410,561 \$14,222,309 \$14,036,229 | | 2049 2050 Intersection I 2030 2031 2032 2033 2034 2035 2036 | Delay No-Build 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Cc 534,093,50 534,803,161 534,226,447 534,236,410 533,229,689 533,611,672 533,282,492 | oncept B Co 536,765,873 536,536,166 536,287,034 536,019,851 535,735,930 535,436,517 \$35,122,802 | oncept A 580,765,873 580,765,873 580,536,166 580,039,851 583,735,930 583,735,930 583,735,930 583,735,930 | 2030 2030 2031 2032 2033 2034 2035 2036 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$15,405,400 \$15,75,431,819 \$15,117,250 \$14,807,647 \$14,807,647 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 \$20,377,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 | \$ 1,402,819 | oncept A 52,215,129 52,2839,251 522,464,989 522,092,585 521,722,765 521,354,242 520,988,711 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 | Discounting Rate Delay No-Build SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,151,878 523,091,217 523,013,273 522,919,140 522,809,861 522,866,434 522,549,807 | 1,402,819 1,430,315 oncept B 524,106,737 524,129,910 524,129,910 524,086,573 524,086,573 524,084,151 523,924,514 523,924,514 523,927,955 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,995 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740.5 \$ 9 \$11,397,07 \$ 9 \$11,305,6 \$ 9 \$11,055,6 \$ 9 \$10,854,5; \$ 9 \$10,854,5; | Concept C 514,218,528 3 513,991,462 513,765,196 2 513,765,196 2 513,358,887 513,092,719 9 512,871,125 512,872,126 512,432,516 6 512,432,516 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B 534,955,325 514,776,388 514,594,690 514,036,229 514,036,229 514,036,229 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 514,955,325 514,776,388 514,594,690 514,401,561 514,224,309 \$14,036,229 \$13,846,600 | | 2049 2050 Intersection I 2030 2031 2032 2033 2034 2035 2036 2037 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,76 | oncept C \$1,178,093 \$ 000000000000000000000000000000000000 | 1,402,819 \$ 1,430,315 \$ 2000cept B CC 336,765,873 \$36,536,166 \$36,287,034 \$36,019,851 \$35,735,930 \$35,436,517 \$35,122,802 \$34,795,915 | oncept A 530,795,873 536,536,166 536,637,034 536,536,166 536,637,034 536,639,851 535,735,930 535,436,517 535,122,802 534,795,915 | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,891 \$15,117,250 \$14,807,647 \$14,503,275 | Concept C 521,513,105 521,131,050 520,752,327 520,377,369 520,06,197 519,638,923 519,275,648 518,916,464 518,561,453 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 522,839,251 522,464,889 522,092,585 521,252,65 521,354,242 520,958,751 520,625,858 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 | Discounting Rate Delay No-Build SO | Concept D Co 520,180,676 520,180,676 520,181,263 520,163,571 520,128,697 520,077,691 520,011,554 519,931,242 519,831,668 519,731,702 519,614,174 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,091,217 523,013,273 522,919,140 522,809,861 522,686,434 522,809,865 | 1,402,819 1,430,315 000cept B 5524,106,737 524,129,910 524,129,895 524,006,733 524,004,151 523,924,514 523,924,514 523,924,516 523,924,516 523,924,516 523,827,955 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,006,5733 \$24,004,151 \$23,924,514 \$23,827,965 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,56 50 \$11,304,34 50 \$11,155,66 50 \$10,054,57 50 \$10,054,57 | Concept C 7 514,218,528 3 51,991,462 5 13,359,867 9 513,315,682 9 512,871,125 1 512,681,021 1 512,681,021 6 512,432,516 4 512,432,516 | Concept B 51,430,315 Concept B 51,430,315 Concept B 514,75,38 514,75,38 514,75,38 514,75,38 514,394,59 514,24,30 514,41,55 514,224,30 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 35,131146 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,224,309 \$14,4036,229 \$13,846,600 \$13,655,684 | | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 | Delay No-Build 50 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 \$ \$ 666,76 | oncept C Cc 534,803,161 534,803,161 534,226,447 534,234,910 533,229,689 533,611,872 533,282,492 532,242,532 532,942,532 | a. 1,402,819 \$ 1,430,315 \$ concept B Cc 536,765,873 536,536,166 536,287,034 536,019,851 535,735,930 \$35,436,517 535,122,802 \$34,795,915 \$34,456,932 | oncept A \$38,7457,195 538,745,873 \$36,536,166 \$36,287,034 \$36,019,851 \$35,735,930 \$35,436,517 \$35,122,802 \$34,735,915 \$34,456,932 | 2030 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,775,896 \$15,751,364 \$15,431,819 \$15,117,250 \$14,807,647 \$14,902,994 \$14,703,255 \$14,902,994 \$14,703,255 \$13,908,467 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,95 \$20,752,327 \$20,377,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,453 \$18,210,689 | \$ 1,402,819 : 1,430,315 : 1,43 | oncept A 52,215,129 52,245,25 52,246,98 521,722,26 521,382,41 520,625,856 521,520,988,71 520,625,856 51,500,883 |
| 2048 2049 2050 3.1% USDOT Future: NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Discounting Rate Delay No-Build SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,391,273 522,919,140 522,896,841 522,549,807 522,400,886 522,240,533 522,206,572 | 1,402,819 1,430,315 second of the second of | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,006,5733 \$24,004,151 \$23,924,514 \$23,924,514 \$23,927,965 \$23,715,593 \$23,588,346 \$23,487,485 | NB/SB 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$ 511,740,54 \$ 0 \$ 11,155,66 \$ 0 \$ 11,055,65 \$ 0 \$ 10,549,97 \$ 0 \$ 10,243,55 \$ 0 \$ 10,243,57 | Concept C 7 514218,528 3 51,991,462 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 513,593,682 51 | \$ 1,375,853 \$ 1,402,819 \$ 1,430,315 Concept B \$ 544,955,325 \$14,776,385 \$14,955,325 \$14,776,385 \$14,243,99 \$14,036,229 \$13,846,600 \$13,655,624 \$13,407,316 \$13,270,975 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 515,131,156 514,955,325 514,776,388 514,594,690 514,0136,229 513,486,600 513,655,684 513,463,731 513,779,975 | | 2049 2050 Intersection I 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | 1,402,819 \$ 1,430,315 \$ concept B 36,765,873 \$36,536,166 \$36,287,034 \$36,018,851 \$35,735,930 \$35,436,517 \$34,45,932 \$34,45,932 \$34,46,5932 \$34,46,5932 | oncept A 530,745,873 536,536,166 536,637,034 536,536,166 536,637,034 535,735,930 535,436,517 535,122,802 534,755,915 534,456,932 534,106,876 533,746,718 | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,751,836 \$15,431,819 \$15,117,250 \$14,807,257 \$14,902,275 \$13,908,275 \$13,908,275 \$13,908,275 \$13,908,275 \$13,908,275 \$13,908,275 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,732,339 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,453 \$18,216,864 \$18,561,863 \$18,216,864 \$18,756,865 \$18,756 \$18,75 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 521,151,129 522,839,251 522,464,989 522,092,858 521,752,265 521,354,242 520,625,856 520,625,866 519,908,839 519,554,978 |
| 2048 2049 2050 3.1% USDOT Future I NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Discounting Rate Delay No-Build S0 | Concept D Consciption S20,180,676 S20,181,263 S20,163,571 S20,128,697 S20,077,691 S20,011,554 S19,312,42 S19,312,688 S19,731,702 S19,614,174 S19,485,874 S19,347,556 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 522,3091,217 523,013,273 522,919,140 522,686,434 522,686,434 522,400,836 522,400,836 522,400,533 522,400,533 522,095,572 521,888,784 | 1,402,819 1,430,315 000cept B 524,106,737 524,129,910 524,085,733 524,004,151 523,924,514 523,827,965 523,588,36 523,588,36 523,474,885 523,247,485 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,805 \$24,005,733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,588,436 \$23,447,485 \$23,2864 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,54 50 \$11,304,34 50 \$11,315,66 50 \$11,034,37 50 \$10,549,57 50 \$10,349,57 50 \$10,349,57 50 \$10,349,57 50 \$10,349,57 | Concept C 7 \$14,218,528 3 \$13,991,462 5 \$13,765,196 6 \$13,258,387 5 \$13,258,202 6 \$12,421,25 6 \$12,421,25 6 \$12,421,25 6 \$12,421,25 6 \$12,421,514 6 \$12,421,514 6 \$12,421,514 6 \$12,437,516 6 \$12,437,516 6 \$12,437,516 6 \$12,437,516 6 \$12,437,516 6 \$12,437,518 | Concept B Concept B S1,430,315 Concept B S14,953,325 S14,953,325 S14,975,388 S14,975,388 S14,975,388 S14,975,388 S14,975,388 S14,975,388 S14,975,388 S14,975,388 S14,275,388 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,976,388 \$14,996,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,846,600 \$13,655,684 \$13,463,731 \$13,270,975 \$13,077,639 | | 2049 2050 Intersection I 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Cc 535,063,850 534,803,161 534,234,516,447 534,234,910 533,929,689 533,611,672 532,929,926 532,234,561 531,868,280 531,494,883 | oncept B Co \$34,765,873 \$36,765,873 \$36,536,166 \$36,287,034 \$36,019,851 \$35,735,930 \$34,456,517 \$35,122,802 \$34,795,915 \$34,456,932 \$34,106,876 \$33,746,718 \$33,377,384 | oncept A \$30,765,873 \$36,765,873 \$36,586,166 \$36,287,034 \$36,019,851 \$35,735,930 \$35,735,930 \$35,735,930 \$35,735,930 \$35,735,930 \$34,756,932 \$34,106,876 \$33,746,718 \$33,377,384 | 2030 2031 2033 2033 2034 2035 2036 2037 2038 2039 2040 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,751,364 \$15,431,819 \$15,417,502,994 \$14,203,275 \$13,908,467 \$13,618,548 \$13,333,488 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,453 \$18,210,689 \$11,7864,238 \$17,522,156 | Concept B C 523,215,129 522,839,251 522,464,989 522,092,585 521,722,265 521,354,242 520,988,711 520,625,856 519,908,839 519,554,978 519,204,338 | oncept A \$13,215,129 \$22,839,251 \$22,839,251 \$22,464,989 \$22,092,585 \$21,722,265 \$21,352,424 \$20,988,711 \$20,625,856 \$20,265,866 \$20,265,866 \$19,908,839 \$19,554,978 \$19,554,978 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | Discounting Rate Delay No-Build SO | Concept D Constant September 20, 181, 263 Concept D Constant September 20, 181, 263 South September 20, 263 South | 1,155,446 \$ 1,178,093 \$ ncept C Co \$23,194,110 \$23,151,878 \$23,013,273 \$22,919,140 \$22,524,90,861 \$22,686,434 \$22,549,807 \$22,400,835 \$22,009,572 \$21,888,784 \$21,698,915 | 1,402,819 1,430,315 200cept B 524,106,737 524,129,910 524,129,895 524,108,65 524,065,733 524,004,151 523,924,594 523,827,965 523,447,485 523,447,485 523,247,485 523,237,934 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,524,514 \$23,827,965 \$23,715,593 \$23,524,514 \$23,827,965 \$23,474,585 \$23,293,684 \$23,279,368 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,51 50 \$11,957,01 50 \$11,304,34 50 \$11,005,65 50 \$10,854,52 50 \$10,854,52 50 \$10,258,65 50 \$10,284,42 50 \$10,089,85 50 \$10,283,42 50 \$10,089,85 50 \$10,089,85 | Concept C 7 514,218,528 3 51,991,462 51,375,398 62 513,359,867 9 513,315,682 61 512,327,112 61 512,432,516 61 512,432,516 61 512,432,516 61 512,432,516 61 512,432,516 61 512,714 61 512,000,709 7 511,576,437 | Concept B 5.4430,315 Concept B 6.4430,315 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,846,600 \$13,4555,684 \$13,463,731 \$13,270,975 \$13,377,975 \$13,377,975 \$13,077,975 \$13,077,975 | | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ 666,76 | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | ncept B Co 536,765,873 536,536,166 536,273,34 536,019,851 535,735,930 534,456,517 535,436,517 535,436,517 535,436,517 531,426,802 534,456,932 534,106,876 533,746,718 533,377,384 532,999,751 | oncept A 58,745,873 586,745,873 586,585,6166 587,034 586,019,851 587,515,930 587,515,930 587,515,930 587,436,517 587,122,802 584,4166,876 583,746,718 583,747,384 582,999,751 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,807,647 \$14,203,275 \$13,908,467 \$13,618,548 \$13,333,488 \$13,053,259 | Concept C \$1,178,093 Concept C \$21,513,105 \$21,130,95 \$20,752,327 \$20,075,2327 \$20,006,197 \$19,275,648 \$18,916,464 \$18,561,453 \$18,210,689 \$17,521,1069 \$17,784,238 \$17,521,1069 \$17,844,238 \$17,521,1069 \$17,184,496 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 52,246,989 521,352,265,856 521,722,265 521,352,424 520,928,711 520,625,856 521,254,989 521,354,242 520,928,871 520,625,856 519,524,989 519,554,978 519,554,978 519,204,398 519,504,978 |
| 2048 2049 2050 3.1% USDOT Future (NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 2043 | Discounting Rate Delay No-Build SO | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,391,273 522,919,140 522,896,841 522,549,807 522,400,886 522,240,533 522,069,572 521,888,784 521,590,675 | 1,402,819 1,430,315 second of the second of | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,006,733 \$24,004,151 \$23,924,514 \$23,927,965 \$23,715,593 \$23,588,346 \$23,293,684 \$23,273,47,485 \$23,293,684 \$23,173,945 \$23,173,945 \$23,173,945 \$23,173,945 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$ 511,740,54 \$ 0 \$ 111,955,64 \$ 0 \$ 111,055,64 \$ 0 \$ 110,854,52 \$ 0 \$ 10,854,52 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 \$ 0 | Concept C 7 514,218,528 3 51,391,462 513,765,196 513,315,682 1 513,092,719 9 512,871,125 1 512,851,021 6 512,432,516 6 512,432,516 6 512,432,516 512,517,42 6 511,787,889 511,787,889 511,787,889 511,787,889 511,787,889 511,787,889 | Concept B Concept B Side State Sta | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 51,4955,325 \$14,776,388 \$14,594,690 \$14,016,561 \$14,224,309 \$14,016,562 \$13,466,700 \$13,655,684 \$13,463,731 \$13,270,975 \$13,3077,639 \$12,883,931 \$12,690,048 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 66 | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | a. 1,402,819 \$ 1,430,315 \$ concept B 36,765,873 \$36,536,166 \$36,287,034 \$36,018,851 \$35,735,930 \$35,436,517 \$34,106,876 \$34,795,915 \$34,406,876 \$33,77,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 | oncept A \$30,745,873 \$36,536,166 \$36,636,166 \$36,637,034 \$35,735,930 \$35,735,930 \$35,735,930 \$34,735,915 \$34,456,932 \$34,735,915 \$33,746,718 \$33,77,384 \$33,77,384 \$33,77,384 \$32,999,751 \$32,614,650 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,751,896 \$15,431,819 \$15,117,250 \$14,807,257 \$14,902,276 \$13,908,476 \$13,908,476 \$13,908,476 \$13,908,476 \$13,938,488 \$13,053,348,888 \$13,053,256 \$12,777,826 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,075,237 \$20,973,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,961,6464 \$18,561,653 \$18,21,646 \$18,561,653 \$17,184,496 \$17,184,496 \$16,851,299 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A \$1,457,195 001,457,1 |
| 2048 2049 2050 3.1% USDOT Future I NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2042 2043 2044 | Discounting Rate Delay No-Build 50 50 50 50 50 50 50 50 50 5 | Concept D Col \$20,180,676 \$20,180,676 \$20,181,263 \$20,163,571 \$20,128,697 \$20,077,691 \$20,011,554 \$19,931,242 \$19,837,668 \$19,731,702 \$19,614,174 \$19,485,874 \$19,347,556 \$19,199,940 \$19,043,709 \$18,879,515 | 1,155,446 \$ 1,178,093 \$ nncept C Co 523,194,110 523,151,878 522,991,217 523,013,273 522,999,861 522,686,434 522,549,807 522,400,838 522,400,533 522,400,533 522,400,533 522,400,533 521,508,675 521,508,794 521,508,794 | 1,402,819 1,430,315 oncept B 6 524,106,737 524,129,910 524,108,065 524,065,733 524,004,151 523,924,514 523,827,965 523,827,965 523,827,965 523,827,965 523,247,488 523,247,488 523,247,388 523,247,388 523,247,388 523,247,388 523,279,388 | \$ 1,429,183 \$ 1,457,195 Concept A 524,106,737 524,129,910 524,129,910 524,129,895 524,065,733 524,065,733 523,924,514 523,827,965 523,715,593 523,588,436 523,474,865 523,474,865 523,474,865 523,279,364 523,127,934 522,951,092 522,563,975 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,55 \$0 \$11,304,34 \$0 \$11,356,66 \$0 \$10,284,55 \$0 \$10,284,55 \$0 \$10,284,55 \$0 \$10,286,45 \$0 \$10,888,85 \$0 \$10,888,85 \$0 \$0 \$10,888,85 \$0 \$0 \$10,888,85 \$0 \$0 \$10,888,85 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | Concept C 7 \$14,218,528 3 \$13,991,462 5 \$13,765,196 2 \$13,539,887 9 \$13,315,682 1 \$13,002,102 1 \$12,421,215 1 \$12,242,516 5 \$12,432,516 5 \$12,432,516 5 \$12,437,516 5 \$11,767,589 5 \$11,767,637 7 \$11,576,437 7 \$11,367,325 3 \$11,160,322 | Concept B Concept B S14,953,25 S14,953,35 S12,990,35 S12,990,35 S12,990,35 S12,990,35 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,976,388 \$14,996,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,846,600 \$13,655,684 \$13,463,731 \$13,270,975 \$13,837,931 \$12,699,048 \$12,496,177 | | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Cc 534,063,850 534,803,161 534,234,516,447 534,234,910 533,229,889 533,611,872 533,282,492 532,592,926 532,234,561 531,868,280 531,494,883 531,115,129 530,729,738 530,739,739 | oncept B Co 336,765,873 336,536,166 336,287,034 336,019,851 335,335,316,517 335,122,802 334,795,915 334,456,932 334,06,876 333,746,718 333,377,384 332,999,751 332,614,650 332,222,874 | oncept A \$30,765,873 \$36,765,873 \$36,586,166 \$36,287,034 \$36,019,851 \$35,735,930 \$35,736,517 \$35,122,802 \$34,756,932 \$34,06,876 \$33,377,884 \$32,999,751 \$33,377,884 \$32,999,751 \$32,614,650 \$32,222,874 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,075,890 \$15,751,364 \$15,431,819 \$15,417,255 \$14,807,647 \$14,203,275 \$13,908,467 \$13,333,488 \$13,333,488 \$13,053,259 \$12,777,826 | Concept C 521,513,105 521,3105 521,3105 521,3105 521,3105 520,752,327 510,638,923 519,275,648 518,916,644 518,561,453 518,210,689 517,522,156 517,184,496 517,184,496 516,512,603 | \$ 1,402,819 1 1,430,315 1 1,43 | oncept A \$13,215,129 \$22,839,251 \$22,464,989 \$22,092,585 \$21,722,265 \$21,352,422 \$20,988,711 \$20,625,856 \$21,920,438 \$19,564,978 \$19,564,978 \$19,564,978 \$18,513,515 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | Concept D Constant State | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,391,3273 522,919,140 522,686,434 522,549,807 522,400,886 522,240,886 522,240,533 522,699,572 521,888,784 521,688,915 521,689,915 521,1694,739 521,204,739 521,081,748 | 1,402,819 1,430,315 200cept B 524,106,737 524,129,910 524,045,733 524,040,151 523,924,964 523,924,964 523,27,965 523,47,85 523,47,85 523,47,85 523,27,934 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,915 \$24,006,733 \$24,006,733 \$24,006,733 \$24,006,5733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,524,544 \$23,827,965 \$23,715,593 \$23,524,47,485 \$23,229,54,092 \$23,229,54,092 \$22,954,092 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,51 50 \$11,957,01 50 \$11,304,34 50 \$11,005,66 50 \$10,084,52 50 \$10,248,42 50 \$10,288,45 50 \$10,288,45 50 \$10,288,45 50 \$10,288,45 50 \$9,982,66 50 \$9,982,66 50 \$9,982,65 50 \$9,982,65 50 \$9,982,65 | Concept C 7 514,218,528 3 51,991,462 51,375,396 52 513,359,867 9 513,315,682 51 512,021,714 0 512,000,709 7 511,576,437 6 511,367,325 3 11,160,322 4 510,955,491 | Concept B 5 1,430,315 Concept B 5 1,430,315 Concept B 5 14,430,315 Concept B 5 14,756,325 514,756,326 514,056,151 514,024,309 514,01561 514,024,309 514,036,229 513,866,600 514,036,731 512,009,78 512,000,88 512,496,177 512,000,88 512,496,177 512,000,88 512,496,177 512,000,88 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 \$ 1,457,195 \$ 1,457,195 \$ 14,955,325 \$ 14,776,388 \$ 14,594,690 \$ 14,410,561 \$ 14,224,309 \$ 14,410,561 \$ 14,224,309 \$ 13,465,073 \$ 13,270,975 \$ 13,270,9 | | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 2043 2044 2044 2045 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 628,94,400 \$ 628,612,652 \$ 628,415,718 \$ 627,744,799 \$ 627,40,375 \$ 626,913,7666 \$ 626,698,367 \$ 626,112,238 \$ 626,124,998 \$ 625,828,330 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,820,820 \$ 625,525,820,820,820,820 \$ 625 | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | ncept B Co 536,765,873 536,565,166 536,273,34 536,019,851 535,735,930 535,436,517 535,122,802 534,795,915 534,456,932 534,106,876 533,746,718 533,377,384 532,999,751 532,614,650 532,222,874 \$31,825,172 | oncept A 58,745,873 586,745,873 586,585,6166 586,019,851 585,735,930 585,735,930 585,735,930 585,735,930 583,735,930 533,122,802 534,456,932 534,456,932 534,456,745 532,222,874 531,825,172 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2044 2042 | SCALED Intersection Del | No-Build S0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,751,364 \$15,431,819 \$15,117,250 \$14,807,647 \$14,203,275 \$13,908,467 \$13,333,488 \$13,033,259 \$12,777,826 \$12,507,77,826 \$12,507,1826 \$12,507,1826 \$12,507,1826 \$12,507,1826 | Concept C \$1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,916,464 \$18,916,464 \$18,916,464 \$18,916,649 \$17,522,156 \$71,864,238 \$17,522,156 \$17,184,496 \$16,522,603 \$16,522,60 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 52,246,989 521,722,265 521,722,265 521,722,265 521,36,242 520,988,711 520,625,856 519,508,839 519,554,978 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 | Discounting Rate Delay So So So So So So So S | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co \$23,194,110 \$23,151,878 \$23,091,217 \$22,301,273 \$22,919,140 \$22,896,434 \$22,549,807 \$22,400,886 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,533 \$22,240,739 \$21,688,784 \$21,680,675 \$21,294,739 \$21,081,748 \$20,086,731 | 1,402,819 1,430,315 000cept B 524,106,737 524,129,910 524,129,910 524,129,935 524,065,733 524,004,151 523,924,514 523,924,514 523,279,65 523,715,593 523,477,485 523,273,684 523,273,684 523,273,684 523,275,095 523,715,993 523,715 52 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,006,733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,528,436 \$23,279,464 \$23,279,479,479 \$23,279,479,479 \$23,279,479,479 \$23,279,479,479 \$23,279,479,479 \$23,279,479,479,479 \$23,279,479,479,479,479,479 \$23,279,479,479,479,479,479,479,479,479,479,4 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$ 511,740,54 \$ 50 \$ 511,815,56 \$ 50 \$ 511,058,45,55 \$ 50 \$ 510,849,37 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 | Concept C 7 514218,528 3 513,991,462 513,539,682 9 513,539,682 1 513,092,719 9 512,871,125 1 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 513,673,689 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | Concept B Concept B Side State Sta | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 35,1457,195 514,955,325 514,776,388 514,594,690 514,4015,61 514,224,309 514,4015,61 514,224,309 514,4015,61 513,270,975 \$13,465,701 \$13,270,975 \$13,077,639 \$12,896,197 \$12,302,491 \$72,296,197 \$12,302,491 \$72,291,515 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 | Delay No-Build So | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 628,94,490 \$ 628,612,652 \$ 628,612,652 \$ 627,744,799 \$ 627,740,375 \$ 626,98,367 \$ 626,415,238 \$ 626,124,998 \$ 625,828,330 \$ 625,525,883 \$ 625,525,883 \$ 625,525,883 \$ 625,122,73 \$ 624,906,084 \$ \$ 666,760 \$ 6 | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | a. 1,402,819 \$ 1,430,315 \$ concept B 36,765,873 \$36,536,166 \$36,287,034 \$36,019,851 \$35,735,930 \$35,436,517 \$34,106,876 \$33,77,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 \$33,377,384 | oncept A \$36,745,873 \$36,536,166 \$36,639,531 \$35,735,930 \$35,735,930 \$35,735,930 \$35,735,930 \$34,106,876 \$33,746,718 \$33,77,384 \$33,77,384 \$33,77,384 \$33,746,718 \$33,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746,748 \$34,746 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 | SCALED Intersection Del | No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$15,431,819 \$15,117,250 \$14,807,890 \$14,502,994 \$14,203,275 \$13,908,48 \$13,033,348 \$13,033,348 \$13,033,245 \$13,032,241,211 \$11,979,951 | Concept C \$21,513,105 \$21,130,950 \$21,130,950 \$20,732,327 \$20,377,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$16,531,931 \$18,131,646 \$16,531,931 \$16,131, | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A \$1,457,195 001,457,195 \$21,215,120 \$22,839,251 \$22,209,258 \$21,722,265 \$21,722,265 \$20,988,711 \$20,625,846 \$19,908,839 \$19,554,978 \$19,504,988 \$11,851,355 \$18,857,231 \$11,837,135 \$11,837,135 \$11,837,135 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$ | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,391,3273 522,919,140 522,686,434 522,549,807 522,400,886 522,240,886 522,240,533 522,699,572 521,888,784 521,688,915 521,689,915 521,1694,739 521,204,739 521,081,748 | 1,402,819 1,430,315 200cept B 524,106,737 524,129,910 524,045,733 524,040,151 523,924,964 523,924,964 523,27,965 523,47,85 523,47,85 523,47,85 523,27,934 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,915 \$24,006,733 \$24,006,733 \$24,006,733 \$24,006,5733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,524,544 \$23,827,965 \$23,715,593 \$23,524,47,485 \$23,229,54,092 \$23,229,54,092 \$22,954,092 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 | Arterial Delay | \$ 653,94 \$ 666,76 Concept D 50 \$11,740,51 50 \$11,957,01 50 \$11,304,34 50 \$11,005,66 50 \$10,084,52 50 \$10,248,42 50 \$10,288,45 50 \$10,288,45 50 \$10,288,45 50 \$10,288,45 50 \$9,982,66 50 \$9,982,66 50 \$9,982,65 50 \$9,982,65 50 \$9,982,65 | Concept C 7 514218,528 3 513,991,462 513,539,682 9 513,539,682 1 513,092,719 9 512,871,125 1 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 512,432,516 6 513,673,689 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 511,767,897 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 | Concept B 5 1,430,315 Concept B 5 1,430,315 Concept B 5 14,430,315 Concept B 5 14,756,325 514,756,326 514,056,151 514,024,309 514,01561 514,024,309 514,036,229 513,866,600 514,036,731 512,009,78 512,000,88 512,496,177 512,000,88 512,496,177 512,000,88 512,496,177 512,000,88 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 \$ 1,457,195 \$ 1,457,195 \$ 14,955,325 \$ 14,776,388 \$ 14,594,690 \$ 14,410,561 \$ 14,224,309 \$ 14,410,561 \$ 14,224,309 \$ 13,465,073 \$ 13,270,975 \$ 13,270,9 | | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2041 2042 2043 2044 2044 2045 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 628,94,400 \$ 628,612,652 \$ 628,415,718 \$ 627,744,799 \$ 627,40,375 \$ 626,913,7666 \$ 626,698,367 \$ 626,112,238 \$ 626,124,998 \$ 625,828,330 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,828,320 \$ 625,525,820,820 \$ 625,525,820,820,820,820 \$ 625 | oncept C 51,178,093 \$ 000000000000000000000000000000000000 | ncept B Co 536,765,873 536,565,166 536,273,34 536,019,851 535,735,930 535,436,517 535,122,802 534,795,915 534,456,932 534,106,876 533,746,718 533,377,384 532,999,751 532,614,650 532,222,874 \$31,825,172 | oncept A 58,745,873 586,745,873 586,585,6166 586,019,851 585,735,930 585,735,930 585,735,930 585,735,930 583,735,930 533,122,802 534,456,932 534,456,932 534,456,745 532,222,874 531,825,172 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2044 2042 | SCALED Intersection Del | No-Build S0 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$15,431,819 \$15,117,250 \$14,807,890 \$14,502,994 \$14,203,275 \$13,908,48 \$13,033,348 \$13,033,348 \$13,033,245 \$13,032,241,211 \$11,979,951 | Concept C \$21,513,105 \$21,130,950 \$21,130,950 \$20,732,327 \$20,377,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$18,561,633 \$18,210,646 \$16,531,931 \$18,131,646 \$16,531,931 \$16,131, | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 52,246,989 521,722,265 521,722,265 521,722,265 521,36,242 520,988,711 520,625,856 519,508,839 519,554,978 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 519,204,398 |
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| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 | Delay No-Build 50 50 50 50 50 50 50 50 50 5 | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ 66 | 1,155,446 \$ 1,178,093 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,391,273 522,919,140 522,896,841 522,549,807 522,400,886 522,240,533 522,069,572 521,888,784 521,500,675 521,294,739 521,688,915 521,500,675 521,294,739 521,081,748 520,862,314 520,637,016 520,406,406 520,171,006 | 1,402,819 1,430,315 soncept B 524,106,737 524,129,910 524,024,106,765 524,065,733 524,004,151 523,924,564 523,924,564 523,273,656 523,447,485 523,273,694 523,273,694 523,273,695 523,473 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,935 \$24,006,5733 \$24,006,5733 \$24,004,151 \$23,927,965 \$23,924,514 \$23,827,965 \$23,924,514 \$23,827,965 \$23,247,485 \$23,227,946 \$23,279,510,932 \$22,763,975 \$22,563,975 \$22,563,975 \$22,263,975 \$23,263,975 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 511,740,51 \$ 50 \$11,140,51 \$ 50 \$11,361,36 \$ 50 \$11,361,36 \$ 50 \$11,365,66 \$ 50 \$10,083,62 \$ 50 \$10,283,42 \$ 50 \$9,928,66 \$ 50 | Concept C 7 514218,528 3 513,991,462 5 513,593,682 9 513,593,682 1 513,092,719 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 511,787,889 7 511,757,889 7 511,757,889 7 511,757,889 7 511,576,325 3 511,160,322 4 510,952,563 9 510,358,563 1 510,552,563 | Concept B 5 1,430,315 Concept B 5 1,430,315 Concept B 5 14,430,315 Concept B 5 14,756,385 514,956,29 514,716,381 514,224,399 514,236,690 514,316,690 514,316,690 512,316,590,688 512,496,517 512,302,491 512,109,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 511,916,156 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 \$ 1,457,195 \$ 1,457,195 \$ 14,955,325 \$ 14,776,388 \$ 14,594,690 \$ 14,410,561 \$ 14,224,309 \$ 14,410,561 \$ 14,224,309 \$ 13,465,076 \$ 13,270,975 \$ 13,377,639 \$ 13,270,975 \$ 13,377,639 \$ 12,883,931 \$ 12,990,184 \$ 12,990,195 \$ 12,891,197 \$ 12,302,491 \$ 12,09,156 \$ 11,916,324 \$ 11,724,141 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 678,94,90 \$ \$ 678,980,794 \$ 678,980, | oncept C CC 315,063,850 S34,803,161 S34,526,447 S34,284,910 S33,829,689 S33,611,872 S32,2942,532 S32,2942,532 S32,2945,51 S31,868,280 S31,195,129 S30,739,738 S29,546,388 S29,344,739 S29,546,388 S29,344,921 S28,740,883 | ncept B Co 336,765,873 336,536,166 336,278,734 336,536,166 336,278,734 336,517 337,735,930 334,795,915 334,765,932 334,766,718 333,377,384 332,999,751 332,614,650 332,222,874 331,825,172 331,014,792 \$31,014,792 \$31,014,792 \$31,014,792 \$31,014,792 \$31,014,792 \$30,603,426 | oncept A 58,745,873 586,745,873 586,585,004 586,745,873 586,587,004 586,019,851 585,735,930 585,735,930 585,735,930 583,735,930 533,743,6517 533,122,802 534,456,932 534,456,932 534,456,932 532,222,874 533,327,384 532,232,874 531,825,172 531,825,172 531,825,172 531,124,253 531,014,792 530,603,426 | 2030 2031 2031 2032 2033 2034 2035 2036 2037 2038 2040 2041 2042 2043 2044 2045 2046 2047 2046 | SCALED Intersection Del | No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$15,751,896 \$15,431,819 \$15,117,250 \$14,807,275 \$13,908,41 \$14,502,994 \$14,203,275 \$13,908,48 \$13,053,285 \$13,053,285 \$12,777,826 \$12,241,211 \$11,797,951 \$11,723,336 \$11,471,321 \$11,723,365 | \$ 1,155,446 \$ 1,178,093 Concept C \$21,513,105 \$21,130,950 \$20,752,327 \$20,377,369 \$20,006,197 \$19,638,923 \$19,275,648 \$18,916,464 \$18,561,453 \$18,210,646 \$17,184,459 \$17,184,159 \$16,522,603 \$16,522,603 \$16,522,603 \$15,563,798 \$15,563,798 \$15,563,798 \$15,563,798 \$15,563,798 \$15,563,798 \$15,563,798 \$15,563,798 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 52,283,251 52,246,989 521,36,246 521,36,246 521,36,246 520,988,711 520,625,856 521,722,265 521,36,242 520,988,711 520,625,846 519,508,849 519,504,978 518,513,559 518,173,515 517,837,183 517,504,646 517,175,980 516,851,253 |
| 2048 2049 2050 3.1% USDOT Future I NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Discounting Rate Delay So So So So So So So S | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 523,013,273 522,399,861 522,686,434 522,549,807 522,400,886 522,240,533 522,069,572 521,088,784 521,688,915 521,500,675 521,508,739 521,081,748 520,637,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,067,016 520,071,006 519,931,313 | 1,402,819 1,430,315 sourcept B 524,106,737 524,129,910 524,108,733 524,061,513 523,924,514 523,827,965 523,404,151 523,827,965 523,427,485 523,427,485 523,231,884,36 523,427,485 523,247,485 522,513,992 522,513,993 522,513,993 522,513,993 522,513,993 522,513,993 522,161,995 522,161 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,995 \$24,108,065 \$24,065,733 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,588,436 \$23,293,684 \$23,279,346 \$23,27 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | Arterial Delay | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$ 511,740,55 \$ 50 \$ 511,341,37 \$ 50 \$ 511,341,37 \$ 50 \$ 510,702,55 \$ 50 \$ 50,702,55 \$ 50 \$ 50 \$ 50,702,55 \$ 50 \$ 50 \$ 50,702,55 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ 50 \$ | Concept C 7 514218,528 3 513,991,462 5 513,593,682 9 513,593,682 1 513,092,719 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 512,437,516 5 511,787,889 7 511,757,889 7 511,757,889 7 511,757,889 7 511,576,325 3 511,160,322 4 510,952,563 9 510,358,563 1 510,552,563 | Concept B Concept B Si 11,430,315 Concept B Si 11,430,315 Concept B Si 11,76,386 S14,996,50 S14,916,51 S14,224,309 S14,410,51 S13,267,975 S13,077,639 S12,883,931 S12,893,931 S12,893,931 S12,893,931 S12,893,931 S12,893,931 S12,893,931 S12,193,194 S11,194,141 S11,194,144 S11,194,144 S11,194,144 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,976,388 \$14,995,325 \$14,776,388 \$14,996,909 \$14,410,561 \$14,224,309 \$14,036,229 \$13,866,000 \$13,655,5684 \$13,632,731 \$13,270,975 \$13,077,639 \$12,990,048 \$12,969,177 \$12,909,048 \$12,969,177 \$12,907,491 \$12,109,156 \$11,916,324 \$11,724,141 \$11,532,742 \$11,724,141 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 678,94,90 \$ \$ 678,980,794 \$ 678,980, | oncept C Cc 535,063,850 534,803,161 534,224,910 533,229,689 532,234,561 531,868,280 531,494,883 531,115,129 530,739,738 529,944,739 529,949 529,949 529,949 529,949 529,949 529,949 529,949 529,949 52 | oncept B Co. 336,765,873 (36,536,166 (36,536,166 (36,536,166,167 (35,54,36,61) (35,34,36,61) (35,34,36,61) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,36,71) (33,37,384 (32,22,57 (33,32,22, | oncept A \$36,745,873 \$36,536,166 \$36,636,166 \$36,637,034 \$36,536,166 \$36,639,851 \$35,735,930 \$35,735,930 \$34,106,876 \$33,746,718 \$33,747,384 \$33,747,384 \$32,293,746,718 \$34,746,718 \$34, | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,836 \$15,51,325 \$14,807,647 \$14,807,994 \$14,203,275 \$13,908,467 \$13,938,467 \$13,938,467 \$13,938,467 \$13,938,467 \$13,938,51 \$13,938,51 \$13,938,51 \$11,777,826 \$12,507,156 \$12,241,211 \$11,979,951 \$11,723,336 \$11,471,321 \$11,223,862 \$10,980,914 | Concept C 521,513,105 521,131,05 521,131,05 521,131,05 521,131,05 521,131,05 521,131,05 520,006,197 519,638,237 519,538,231 518,210,689 517,864,238 518,210,689 517,184,496 516,851,299 516,522,156 517,184,496 516,851,299 516,522,633 516,198,439 515,583,381 515,563,798 515,533,355 515,533,355 515,4947,509 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 512,15,129 522,839,251 522,464,989 522,092,585 521,722,265 520,926,586 520,926,586 519,908,839 519,554,978 519,908,839 519,554,978 519,708,498 517,7596,646 517,175,980 511,8571,3515 517,504,646 517,175,980 |
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| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build S0 S0 S0 S0 S0 S0 S0 S0 S0 S | \$ 653,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,091,217 522,919,140 522,240,386 522,240,533 522,069,572 521,582,784 521,582,784 521,688,915 521,580,675 521,58 | 1,402,819 1,430,315 524,106,737 524,129,910 524,129,910 524,129,815 524,065,733 524,064,151 523,827,965 523,437,451 523,827,965 523,437,455 523,437,455 523,437,455 523,437,455 523,437,455 522,143,989 523,127,934 522,148,566 521,147,760 521,147,760 521,147,760 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,935 \$24,004,151 \$23,924,514 \$23,827,965 \$23,715,593 \$23,715,593 \$23,584,436 \$23,447,485 \$23,227,946 \$23,279,463,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$22,563,975 \$23,7760 \$21,700,208 \$21,465,516 \$463,250,829 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Arterial Delay No-Build | \$ 653,94 \$ 666,76 \$ 511,740,51 \$0 \$11,740,51 \$0 \$11,361,36 \$0 \$11,361,36 \$0 \$11,361,36 \$0 \$10,854,51 \$0 \$10,854,51 \$0 \$10,854,51 \$0 \$10,854,51 \$0 \$9,723,61 \$0 \$10,723,61 \$0 \$10,7 | Concept C 7 514,218,528 3 513,991,462 513,539,867 9 513,15,682 1 513,092,719 9 512,871,125 1 512,651,021 6 4 512,215,714 0 512,000,709 7 511,576,437 7 511,576,437 6 511,367,325 311,160,322 4 510,952,631 510,552,63 9 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 510,552,63 1 52,857,637 | Concept B Concept B Side State Sta | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A 31,457,195 514,955,325 514,776,388 514,594,690 514,036,229 514,010,561 514,224,309 514,036,229 513,846,600 513,655,684 513,463,731 513,270,975 513,077,639 512,883,931 512,896,197 512,302,491 512,109,156 511,1916,324 511,724,141 511,532,742 511,342,253 5263,309,394 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C 31,155,446 \$ 1,178,093 \$ oncept C 335,063,850 334,803,161 334,226,447 334,234,910 333,929,689 336,11,872 332,244,561 331,882,280 331,161,529 332,244,561 331,868,280 331,151,129 330,729,738 300,339,393 329,546,388 329,344,739 329,546,388 328,334,794 329,144,921 328,734,794 327,927,141 \$631,344,879 | 1,402,819 \$ 1,430,315 \$ concept B Co. 36,6765,873 \$ 36,536,166 \$ 336,287,034 \$ 336,019,851 \$ 335,735,930 \$ 334,436,517 \$ 331,422,802 \$ 334,795,915 \$ 334,765,932 \$ 344,056,932 \$ 344,05 | oncept A 580,785,873 536,536,166 536,287,034 536,536,166 536,287,034 536,517 535,725,930 535,735,930 535,735,930 534,736,932 534,456,932 534,456,932 534,456,932 534,456,932 531,422,253 531,825,172 531,825,172 531,825,172 531,825,172 531,825,172 531,013,925 531,013,935 531,013,925 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build 50 50 50 50 50 50 50 50 50 5 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,807,647 \$14,203,275 \$13,908,467 \$13,618,548 \$13,053,259 \$12,777,826 \$12,241,211 \$11,979,951 \$11,723,366 \$11,471,321 \$11,223,862 \$10,980,914 \$271,114,980 | Concept C 521,513,105 521,130,950 520,752,327 520,377,369 520,006,197 519,638,923 519,275,648 518,916,464 518,561,453 518,210,689 517,864,238 517,522,156 517,184,496 516,522,603 516,522,603 516,522,603 516,522,603 516,526,973 515,563,798 515,563,798 515,563,798 515,563,798 515,563,798 515,563,798 515,563,798 515,563,798 515,563,798 515,633,355 514,947,509 514,646,265 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 52,215,129 52,2839,251 522,464,989 522,092,585 521,722,265 521,354,242 520,988,711 520,625,856 519,908,839 519,554,978 519,204,398 518,573,515 517,504,646 517,175,926 517,175,926 516,213,850 5388,679,691 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Discounting Rate Delay No-Build SO | Concept D Conscipt D C | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,991,217 523,013,273 522,999,861 522,686,434 522,549,807 522,400,836 522,400,533 522,400,533 521,508,675 521,294,739 521,081,748 520,637,016 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 520,406,406 539,931,313 5436,405,515 | 1,402,819 1,430,315 524,106,737 524,129,910 524,108,733 524,065 524,065,733 524,065,733 523,924,514 523,924,514 523,924,514 523,273,936 523,155,93 523,588,436 523,273,936 523,155,93 522,519,93 522,519,93 522,519,93 522,148,566 521,927,760 521,927,760 521,466,516 \$463,250,829 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,895 \$24,005,733 \$24,006,733 \$24,004,151 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| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,76 | 1,155,446 \$ 1,178,093 \$ ncept C Co \$22,194,110 \$23,151,878 \$23,091,217 \$23,091,217 \$23,013,273 \$22,919,140 \$22,549,807 \$22,400,886 \$22,240,533 \$22,069,572 \$21,081,788 \$21,698,915 \$21,084,739 \$21,081,748 \$20,662,314 \$20,406,406 \$20,171,006 \$20,171,006 \$10,17 | 1,402,819 1,430,315 24,106,737 524,129,910 524,108,733 524,108,65 524,068,5733 524,004,151 523,924,514 523,827,965 523,407,451 523,827,965 523,417,965 523,417,965 523,417,965 523,127,934 522,519,192 522,163,766 521,219,37,760 521,216,516 5463,250,829 13,551,465,26 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,927,514 \$23,827,965 \$23,247,485 \$23,247,485 \$23,227,960 \$23,261,999 \$22,567,360 \$22,361,999 \$22,148,566 \$21,977,600 \$21,700,208 \$21,465,165 \$463,250,829 \$463,250,829 \$463,250,829 \$13,806,104 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Arterial Delay No-Build Congestio Safety | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$10,743,42 \$ 5 | Concept C 7 514,218,528 3 513,991,462 5 513,765,196 6 513,539,867 5 513,682 7 513,021,125 1 512,061,021 6 512,432,571 6 512,432,571 6 513,63,232 4 510,955,491 5 10,752,837 5 10,752,837 5 10,752,837 5 10,752,837 6 513,763,335 6 513,763,335 6 513,763,335 7 510,552,563 7 | Concept B 51,492,819 51,493,815 51,493,815 514,955,825 514,775,883 514,955,825 514,775,884 514,726,389 514,715,816 512,819,819 512,819,819 512,819,819 512,819,819 512,919,175 512,302,491 512,302,491 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 511,172,41,41 511,512,423 512,714,141 511,512,423 512,714,141 511,512,423 512,513,319,314 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,955,325 \$14,776,388 \$14,596,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,846,600 \$13,655,584 \$13,709,75 \$13,270,975 \$13,277,539 \$12,690,048 \$12,969,177 \$12,207,491 \$12,109,156 \$11,916,324 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,342,253 \$263,309,394 \$13,806,104 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Cc 535,063,850 S34,803,161 S34,526,447 S34,236,910 S33,929,689 S33,611,872 S32,592,926 S32,234,561 S31,868,280 S31,115,129 S30,739,738 S31,115,129 S30,739,738 S29,946,388 S28,334,794 S29,146,388 S28,334,794 S29,146,388 S28,334,794 S79,772,141 S631,344,879 S631,344,879 S631,344,879 S631,344,879 | 1,402,819 \$ 1,430,315 \$ concept B Cc 336,765,873 336,536,166 336,287,034 336,019,851 335,735,930 334,365,17 335,122,802 334,106,876 533,746,718 333,377,384 332,999,751 532,614,650 533,746,718 531,014,792 530,603,426 530,188,758 529,771,358 \$668,285,160 13,551,432 \$ \$668,285,160 | oncept A 586,765,873 586,765,873 586,585,166 586,089,084 586,019,851 585,735,930 535,735,930 535,735,930 535,736,718 533,476,718 533,476,718 533,476,718 533,476,718 531,422,53 531,422 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,902,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,995 \$12,777,826 \$13,933,488 | Concept C 521,513,105 521,3105 521,3105 521,3105 521,3105 520,752,327 519,638,923 519,275,648 518,916,644 518,561,453 518,210,689 517,864,238 517,522,156 517,184,496 516,531,299 516,522,603 516,198,439 515,788,431 515,563,798 515,578,831 515,563,798 515,53,355 514,947,509 514,646,265 5355,303,011 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 523,215,129 522,839,251 522,464,989 521,722,265 521,732,265 521,732,265 521,732,265 521,732,365 519,508,839 518,554,978 519,504,978 510,505 511,715,989 518,513,559 5 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | Concept D Conscipt D C | 1,155,446 \$ 1,178,093 \$ ncept C Co \$22,194,110 \$23,151,878 \$23,091,217 \$23,091,217 \$23,013,273 \$22,919,140 \$22,549,807 \$22,400,886 \$22,240,533 \$22,069,572 \$21,081,788 \$21,698,915 \$21,084,739 \$21,081,748 \$20,662,314 \$20,406,406 \$20,171,006 \$20,171,006 \$10,17 | 1,402,819 1,430,315 24,106,737 524,129,910 524,108,733 524,108,65 524,068,5733 524,004,151 523,924,514 523,827,965 523,407,451 523,827,965 523,417,965 523,417,965 523,417,965 523,127,934 522,519,192 522,163,766 521,219,37,760 521,216,516 5463,250,829 13,551,465,26 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,927,514 \$23,827,965 \$23,247,485 \$23,247,485 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| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,76 | 1,155,446 \$ 1,178,093 \$ ncept C Co \$22,194,110 \$23,151,878 \$23,091,217 \$23,091,217 \$23,013,273 \$22,919,140 \$22,549,807 \$22,400,886 \$22,240,533 \$22,069,572 \$21,081,788 \$21,698,915 \$21,084,739 \$21,081,748 \$20,662,314 \$20,406,406 \$20,171,006 \$20,171,006 \$10,17 | 1,402,819 1,430,315 24,106,737 524,129,910 524,108,733 524,108,65 524,068,5733 524,004,151 523,924,514 523,827,965 523,407,451 523,827,965 523,417,965 523,417,965 523,417,965 523,127,934 522,519,192 522,163,766 521,219,37,760 521,216,516 5463,250,829 13,551,465,26 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,927,514 \$23,827,965 \$23,247,485 \$23,247,485 \$23,227,960 \$23,261,999 \$22,567,360 \$22,361,999 \$22,148,566 \$21,977,600 \$21,700,208 \$21,465,165 \$463,250,829 \$463,250,829 \$463,250,829 \$13,806,104 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Arterial Delay No-Build Congestio Safety | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$10,743,42 \$ 5 | Concept C 7 514,218,528 3 513,991,462 5 513,765,196 6 513,539,867 5 513,682 7 513,021,125 1 512,061,021 6 512,432,571 6 512,432,571 6 513,63,232 4 510,955,491 5 10,752,837 5 10,752,837 5 10,752,837 5 10,752,837 6 513,763,335 6 513,763,335 6 513,763,335 7 510,552,563 7 | Concept B 51,492,819 51,493,815 51,493,815 514,955,825 514,775,883 514,955,825 514,775,884 514,726,389 514,715,816 512,819,819 512,819,819 512,819,819 512,819,819 512,919,175 512,302,491 512,302,491 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 512,191,516 511,172,41,41 511,512,423 512,714,141 511,512,423 512,714,141 511,512,423 512,513,319,314 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,955,325 \$14,776,388 \$14,596,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,846,600 \$13,655,584 \$13,709,75 \$13,270,975 \$13,277,539 \$12,690,048 \$12,969,177 \$12,207,491 \$12,109,156 \$11,916,324 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,342,253 \$263,309,394 \$13,806,104 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666, | oncept C Cc 535,063,850 S34,803,161 S34,526,447 S34,236,910 S33,929,689 S33,611,872 S32,592,926 S32,234,561 S31,868,280 S31,115,129 S30,739,738 S31,115,129 S30,739,738 S29,946,388 S28,334,794 S29,146,388 S28,334,794 S29,146,388 S28,334,794 S79,772,141 S631,344,879 S631,344,879 S631,344,879 S631,344,879 | 1,402,819 \$ 1,430,315 \$ concept B Cc 336,765,873 336,536,166 336,287,034 336,019,851 335,735,930 334,365,17 335,122,802 334,106,876 533,746,718 333,377,384 332,929,751 532,614,650 533,746,718 531,622,253 331,014,792 530,603,426 530,188,758 529,771,358 \$668,285,160 13,551,432 \$ \$668,285,160 | oncept A 586,765,873 586,765,873 586,585,166 586,089,084 586,019,851 585,735,930 535,735,930 535,735,930 535,736,718 533,476,718 533,476,718 533,476,718 533,476,718 531,422,53 531,422 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,902,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,995 \$12,777,826 \$13,933,488 | Concept C 521,513,105 521,3105 521,3105 521,3105 521,3105 520,752,327 519,638,923 519,275,648 518,916,644 518,561,453 518,210,689 517,864,238 517,522,156 517,184,496 516,531,299 516,522,603 516,198,439 515,788,431 515,563,798 515,578,831 515,563,798 515,53,355 514,947,509 514,646,265 5355,303,011 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 523,215,129 522,839,251 522,464,989 521,722,265 521,732,265 521,732,265 521,732,265 521,732,365 519,508,839 518,554,978 519,504,978 510,505 511,715,989 518,513,559 5 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Discounting Rate Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,76 | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,991,217 523,091,217 523,013,273 522,999,861 522,686,434 522,549,807 522,400,533 522,400,533 522,400,533 522,400,533 521,500,675 521,100,773 520,675 52 | 1,402,819 1,430,315 324,106,737 524,129,910 524,108,733 524,108,733 524,108,733 524,108,733 524,004,151 523,924,514 523,924,514 523,27,965 523,155,93 523,588,436 523,273,586 523,273,586 523,273,586 523,273,586 523,273,586 523,273,586 523,175,936 522,516,937 | \$ 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| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 663,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 | 1,155,446 \$ 1,178,093 \$ ncept C Co \$22,194,110 \$23,151,878 \$23,091,217 \$23,091,217 \$23,013,273 \$22,919,140 \$22,549,807 \$22,809,861 \$22,686,434 \$22,549,807 \$22,400,836 \$22,240,533 \$22,069,572 \$21,081,748 \$21,698,915 \$21,508,734 \$21,081,748 \$20,662,314 \$20,667,515 \$21,1081,748 \$20,662,314 \$20,406,406 \$20,171,006 \$20,171,006 \$10,171,006 \$10,171,006 \$10,171,006 \$10,171,006 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653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$10,743,42 \$ 5 | Concept C 7 514,218,528 3 513,991,462 5 513,765,196 6 513,539,867 5 513,315,682 7 513,021,125 1 512,061,021 6 512,432,571 6 512,432,571 6 513,475,437 7 511,576,437 7 511,576,437 7 511,576,437 7 511,576,437 7 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,61,733 9 510,752,837 8 510,752,837 | Concept B 51,430,315 51,51,432 51,51,51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,866,600 \$13,655,684 \$13,632,731 \$13,270,975 \$13,077,639 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\$11,744,143 \$11,744,143 \$11,744,14 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 628,693,607 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,988,367 | oncept C Cc 535,663,850 S34,803,161 S34,526,447 S34,236,418 S33,611,872 S32,582,492 S32,582,492 S32,5942,593 S31,115,129 S30,292,936 S32,234,561 S31,868,280 S31,115,129 S30,739,738 S31,115,129 S30,739,738 S29,946,388 S28,334,794 S29,146,388 S28,334,794 S29,144,921 S28,740,883 S28,334,794 S79,772,141 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S642,506,652 | 1,402,819 \$ 1,430,315 \$ concept B Ccc 336,765,873 336,536,166 336,287,034 336,019,851 335,735,930 334,365,17 335,122,802 334,795,915 334,456,932 334,466,876 533,746,718 333,377,384 332,999,751 532,614,650 333,7746,718 331,014,792 330,603,426 530,188,758 529,771,358 \$668,285,160 13,551,432 \$5681,836,592 | oncept A 580,765,873 580,765,873 580,765,873 580,585,166 580,789,851 580,785,870 580,785,870 580,785,930 583,785,930 583,785,930 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,471,718 583,471,718 583,471,718 583,471,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 584,718 585,718,718 5868,285,160 13,806,104 5882,091,264 290,000,000 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 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| 2048 2049 2050 3.1% USDOT Future I NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | Discounting Rate Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | Concept D Col 520,180,676 \$0,181,667 \$20,181,676 \$20,181,667 \$20,181,763 \$20,163,771 \$20,128,697 \$20,077,691 \$20,011,554 \$19,931,242 \$19,931,242 \$19,931,242 \$19,931,242 \$19,931,242 \$19,931,702 \$19,614,174 \$19,485,874 \$19,347,556 \$19,199,940 \$19,347,795 \$18,529,688 \$18,349,206 \$18,159,065 \$19,159,065 \$18, | 1,155,446 \$ 1,178,093 \$ ncept C Co 523,194,110 523,151,878 523,991,217 523,091,217 523,013,273 522,999,861 522,686,434 522,549,807 522,400,836 522,400,533 521,501,675 521,500,675 521,504,739 521,081,748 520,637,016 520,406,406 520,406,406 520,406,406 519,931,313 5436,405,515 51,161,773 \$ \$447,567,288 \$ 55,000,000 \$ 85,000,000 \$ \$5,000,000 \$ | 1,402,819 1,430,315 524,106,737 524,129,910 524,108,733 524,108,065 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515,563,798 5 | \$ 1,402,819 \$ 1,430,315 \$ 1,430,315 \$ 1,430,315 \$ 1 | oncept A 513,215,129 522,839,251 522,464,989 522,092,585 521,722,265 521,354,242 520,988,711 520,675,866 519,908,839 518,587,221 518,513,7551 518,817,153 518,517,518 517,837,183 518,857,221 518,513,7551 517,837,183 518,857,221 518,513,7551 518,513,7551 518,513,7551 518,513,755 516,213,850 5388,679,691 13,806,104 5402,485,795 290,000,000 375,000,000 |
| 2048 2049 2050 3.1% USDOT Future NB/SB Arterial 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build 50 50 50 50 50 50 50 50 50 50 50 50 50 | \$ 663,942 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 \$ \$ 606,760 | 1,155,446 \$ 1,178,093 \$ ncept C Co \$22,194,110 \$23,151,878 \$23,091,217 \$23,091,217 \$23,013,273 \$22,919,140 \$22,549,807 \$22,809,861 \$22,686,434 \$22,549,807 \$22,400,836 \$22,240,533 \$22,069,572 \$21,081,748 \$21,698,915 \$21,508,734 \$21,081,748 \$20,662,314 \$20,667,515 \$21,1081,748 \$20,662,314 \$20,406,406 \$20,171,006 \$20,171,006 \$10,171,006 \$10,171,006 \$10,171,006 \$10,171,006 \$10,171,007 \$20,406,406 \$20,171,006 \$20,171,006 \$20,171,006 \$30,1 | 1,402,819 1,430,315 324,106,737 524,129,910 524,108,733 524,108,733 524,040,151 523,924,514 523,827,965 524,004,151 523,924,514 523,827,965 523,417,965 523,417,965 523,417,965 523,417,965 523,417,965 523,417,856 523,417,856 523,417,856 523,417,856 523,417,856 521,937,760 521,760,208 521,466,516 \$463,250,829 13,551,462 \$463,250,829 13,551,432 \$476,802,261 195,000,000 | \$ 1,429,183 \$ 1,457,195 Concept A \$24,106,737 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,129,910 \$24,065,733 \$24,004,151 \$23,927,514 \$23,827,965 \$23,247,485 \$23,247,485 \$23,227,960 \$23,261,999 \$22,561,360 \$22,361,999 \$22,148,566 \$21,977,600 \$21,700,208 \$21,465,165 \$463,250,829 \$463,250,829 \$463,250,829 \$463,250,829 \$463,250,829 \$13,806,104 \$477,056,933 \$290,000,000 | NB/SB 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 | Congestio Safety Total Bend Low Cost | \$ 653,94 \$ 666,76 \$ 666,76 \$ 50 \$11,740,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$11,140,51 \$ 50 \$10,743,42 \$ 5 | Concept C 7 514,218,528 3 513,991,462 5 513,765,196 6 513,539,867 5 513,315,682 7 513,021,125 1 512,061,021 6 512,432,571 6 512,432,571 6 513,475,437 7 511,576,437 7 511,576,437 7 511,576,437 7 511,576,437 7 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,576,437 8 511,61,733 9 510,752,837 8 510,752,837 | Concept B 51,430,315 51,51,432 51,51,51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 51,51 | \$ 1,401,709 \$ 1,429,183 \$ 1,457,195 Concept A \$14,955,325 \$14,955,325 \$14,776,388 \$14,594,690 \$14,410,561 \$14,224,309 \$14,036,229 \$13,866,600 \$13,655,684 \$13,632,731 \$13,270,975 \$13,077,639 \$12,690,048 \$12,969,177 \$12,207,491 \$12,109,156 \$11,916,324 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,724,141 \$11,532,742 \$11,744,141 \$11,532,742 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,141 \$11,532,742 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,542,743 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,542,743 \$11,744,143 \$11,744 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,143 \$11,744,14 | | 2049 2050 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | Delay No-Build \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 \$0 | \$ 653,942 \$ 666,760 \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ \$ 666,760 \$ \$ 666,760 \$ \$ 666,760 \$ \$ 628,693,607 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,698,367 \$ 626,988,367 | oncept C Cc 535,663,850 S34,803,161 S34,526,447 S34,236,418 S33,611,872 S32,582,492 S32,582,492 S32,5942,593 S31,115,129 S30,292,936 S32,234,561 S31,868,280 S31,115,129 S30,739,738 S31,115,129 S30,739,738 S29,946,388 S28,334,794 S29,146,388 S28,334,794 S29,144,921 S28,740,883 S28,334,794 S79,772,141 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S631,344,879 S642,506,652 | 1,402,819 \$ 1,430,315 \$ concept B Ccc 336,765,873 336,536,166 336,287,034 336,019,851 335,735,930 334,365,17 335,122,802 334,795,915 334,456,932 334,466,876 533,746,718 333,377,384 332,999,751 532,614,650 333,7746,718 331,014,792 330,603,426 530,188,758 529,771,358 \$668,285,160 13,551,432 \$5681,836,592 | oncept A 580,765,873 580,765,873 580,765,873 580,585,166 580,789,851 580,785,870 580,785,870 580,785,930 583,785,930 583,785,930 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,478,6718 583,471,718 583,471,718 583,471,718 583,471,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 583,671,718 584,718 585,718,718 5868,285,160 13,806,104 5882,091,264 290,000,000 | 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2047 | SCALED Intersection Del | No-Build | \$ 653,942 \$ 666,760 Concept D \$16,739,891 \$16,405,400 \$16,075,890 \$15,751,364 \$15,431,819 \$15,117,250 \$14,802,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,994 \$14,202,995 \$12,777,826 \$13,933,488 \$13,933,488 \$13,933,488 \$13,933,488 \$13,933,488 \$13,933,481 \$11,773,338 \$11,471,321 \$11,723,386 \$11,471,321 \$11,223,862 \$10,980,914 \$271,114,980 \$6,317,174 \$277,432,154 \$55,000,000 | Concept C 521,513,105 521,3105 521,3105 521,3105 521,3105 520,752,327 519,638,923 519,275,648 518,916,644 518,561,453 518,210,689 517,864,238 517,522,156 517,184,496 516,531,299 516,522,603 516,198,439 515,788,431 515,563,798 515,253,355 514,947,509 514,646,265 5355,303,011 \$511,161,773 5366,464,783 \$65,000,000 | \$ 1,402,819 \$ 1,430,315 \$ 1,43 | oncept A 523,215,129 522,839,251 522,464,989 521,722,265 521,354,242 520,988,711 520,625,836 521,722,265 521,354,242 519,908,839 518,554,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 519,504,978 511,715,989 518,857,221 517,715,980 518,851,253 515,213,850 518,851,253 518,213,850 518,854,979 518,854,9 |

16.5% daily truck percentage - US 23 16.0% daily truck percentage - intersections (all vehicles)

\$24.27 weighted average value of time - US 23 \$24.27 weighted average value of time - intersections/all vehicles

| ND/CD Astorio | ial Delay. | SCALED | Interception Policy | SCALED |
|--|--|--|---|---|
| NB/SB Arteria | No-Build Concept D Concept C Concept B Concept A | NB/SB Arterial Delay No-Build Concept D Concept C Concept B Concept A | Intersection Delay No-Build Concept D Concept C Concept B Concept A | Intersection Delay No-Build Concept D Concept C Concept B Concept A |
| 2030 \$2,899,019 | | 2030 \$2,464,166 \$0 \$1,554,855 \$2,464,166 \$2,464,166 \$2,464,166 | 2030 \$3,666,095 \$0 \$2,259,152 \$3,666,095 \$3,666,095 | 2030 \$3,116,181 \$0 \$1,920,279 \$3,116,181 \$3,116,181 \$3,116,181 |
| 2031 \$2,942,450 2032 \$2,985,882 | 50 \$0 \$1,838,973 \$2,942,450 \$2,942,450 \$2,942,450 \$2,942,450 \$2,942,450 \$2,985,882 \$2,985,882 \$2,985,882 | 2031 \$2,501,083 \$0 \$1,563,127 \$2,501,083 \$2,501,083 \$2,501,083 2032 \$2,538,000 \$0 \$1,571,400 \$2,538,000 \$2,538,000 \$2,538,000 | 2031 \$3,732,185 \$0 \$2,289,018 \$3,732,185 \$3,732,185 \$3,732,185 2032 \$3,798,274 \$0 \$2,318,883 \$3,798,274 \$3,798,274 \$3,798,274 | 2031 \$272,357 \$0 \$1,945,665 \$3,172,357 \$3,172,357 \$3,172,357 2032 \$3,345,533 \$0 \$1,971,051 \$3,228,533 \$3,228,533 \$3,228,533 |
| 2033 \$3,029,314 | | 2033 \$2,574,917 \$0 \$1,579,672 \$2,574,917 \$2,574,917 \$2,574,917 | 2033 \$3,864,363 \$0 \$2,348,749 \$3,864,363 \$3,864,363 \$3,864,363 | 2033 \$3,284, 9 \$0 \$1,996,437 \$3,284,709 \$3,284,709 |
| 2034 \$3,072,746 2035 \$3,116,177 | 46 \$0 \$1,868,170 \$3,072,746 \$3,072,746 \$3,072,746 77 \$0 \$1,877,903 \$3,116,177 \$3,116,177 \$3,116,177 | 2034 \$2,611,834 \$0 \$1,587,945 \$2,611,834 \$2, | 2034 \$3,930,452 \$0 \$2,378,614 \$3,930,452 \$3,930,452 \$3,930,452 \$2035 \$3,996,542 \$0 \$2,408,480 \$3,996,542 \$3,996,542 \$3,996,542 | 2034 \$3,340,884 \$0 \$2,021,822 \$3,340,884 \$3,340,884 \$3,340,884 \$2035 \$3,397,060 \$0 \$2,047,208 \$3,397,060 \$3,397,060 \$3,397,060 |
| 2036 \$3,159,609 | | 2036 \$2,685,668 \$0 \$1,604,490 \$2,685,668 \$2,685,668 \$2,685,668 | 2036 \$4,062,631 \$0 \$2,438,345 \$4,062,631 \$4,062,631 \$4,062,631 | 2036 \$3,453,236 \$0 \$2,072,594 \$3,453,236 \$3,453,236 \$3,453,236 |
| 2037 \$3,203,041 | 1. 17.7. | 2037 \$2,722,585 \$0 \$1,612,762 \$2,722,585 \$2,722,585 | 2037 \$4,128,720 \$0 \$2,468,211 \$4,128,720 \$4,128,720 \$4,128,720 | 2037 \$3,509,412 \$0 \$2,097,979 \$3,509,412 \$3,509,412 \$3,509,412 |
| 2038 \$3,246,473 2039 \$3,289,904 | \$0 \$1,907,099 \$3,246,473 \$3,246,473 \$3,246,473 \$0 \$1,916,832 \$3,289,904 \$3,289,904 \$3,289,904 | 2038 \$2,759,502 \$0 \$1,621,035 \$2,759,502 \$2,759,502 \$2,759,502 \$2,759,502 \$2,759,502 \$2,759,502 \$2,759,6419 \$2,796,419 \$2,796,419 | 2038 \$4,194,809 \$0 \$2,498,076 \$4,194,809 \$4,194,809 \$4,194,809 \$4,260,899 \$0 \$2,527,942 \$4,260,899 \$4,260,899 \$4,260,899 | 2038 \$3,565,588 \$0 \$2,123,365 \$3,565,588 \$3,565,588 \$3,565,588 2039 \$3,621,764 \$0 \$2,148,751 \$3,621,764 \$3,621,764 \$3,621,764 |
| 2040 \$3,333,336 | 35 \$0 \$1,926,564 \$3,333,336 \$3,333,336 \$3,333,336 | 2040 \$2,833,336 \$0 \$1,637,579 \$2,833,336 \$2,833,336 \$2,833,336 | 2040 \$4,326,988 \$0 \$2,557,808 \$4,326,988 \$4,326,988 | 2040 \$3,677,940 \$0 \$2,174,136 \$3,677,940 \$3,677,940 \$3,677,940 |
| 2041 \$3,376,768 2042 \$3,420,199 | | 2041 \$2,870,253 \$0 \$1,645,852 \$2,870,253 \$2,870,253 \$2,870,253 2042 \$2,907,170 \$0 \$1,654,124 \$2,907,170 \$2,907,170 \$2,907,170 | 2041 \$4,393,077 \$0 \$2,587,673 \$4,393,077 \$4,393,077 \$4,393,077 \$2042 \$4,459,166 \$0 \$2,617,539 \$4,459,166 \$4,459,166 \$4,459,166 | 2041 \$3,734,116 \$0 \$2,799,522 \$3,734,116 \$3,734,116 \$3,734,116 2042 \$3,790,291 \$0 \$2,224,908 \$3,790,291 \$3,790,291 \$3,790,291 |
| 2043 \$3,463,631 | 72, 13,121 | 2043 \$2,944,087 \$0 \$1,662,397 \$2,944,087 \$2,944,087 \$2,944,087 | 2043 \$4,525,256 \$0 \$2,647,404 \$4,525,256 \$4,525,256 \$4,525,256 | 2043 \$3,846,467 \$0 \$2,250,293 \$3,846,467 \$3,846,467 \$3,846,467 |
| 2044 \$3,507,063 | \$0 \$1,965,493 \$3,507,063 \$3,507,063 \$3,507,063 | 2044 \$2,981,004 \$0 \$1,670,669 \$2,981,004 \$2,981,004 \$2,981,004 | 2044 \$4,591,345 \$0 \$2,677,270 \$4,591,345 \$4,591,345 | 2044 \$3,902,643 \$0 \$2,275,679 \$3,902,643 \$3,902,643 |
| 2045 \$3,550,495 2046 \$3,593,926 | | 2045 \$3,017,921 \$0 \$1,678,942 \$3,017,921 \$3,017,921 \$3,017,921 2046 \$3,054,838 \$0 \$1,687,214 \$3,054,838 \$3,054,838 \$3,054,838 | 2045 \$4,657,434 \$0 \$2,707,135 \$4,657,434 \$4,657,434 \$4,657,434 \$2046 \$4,723,523 \$0 \$2,737,001 \$4,723,523 \$4,723,523 \$4,723,523 | 2045 \$3,958,819 \$0 \$2,301,065 \$3,958,819 \$3,958,819 \$3,958,819 2046 \$4,014,995 \$0 \$2,326,451 \$4,014,995 \$4,014,995 \$4,014,995 |
| 2047 \$3,637,358 | 7-7-17-17-17-17-17-17-17-17-17-17-17-17- | 2047 \$3,091,754 \$0 \$1,695,487 \$3,091,754 \$3,091,754 \$3,091,754 | 2047 \$4,789,613 \$0 \$2,766,866 \$4,789,613 \$4,789,613 | 2047 \$4,071,171 \$0 \$2,351,836 \$4,071,171 \$4,071,171 \$4,071,171 |
| 2048 \$3,680,790 2049 \$3,724,222 | 1 1,000 | 2048 \$3,128,671 \$0 \$1,703,759 \$3,128,671 \$3,128,671 \$3,128,671 \$3,128,671 \$2049 \$3,165,588 \$0 \$1,712,032 \$3,165,588 \$3,165,588 \$3,165,588 | 2048 \$4,855,702 \$0 \$2,796,732 \$4,855,702 \$4,855,702 \$4,855,702 \$2049 \$4,921,791 \$0 \$2,826,597 \$4,921,791 \$4,921,791 \$4,921,791 | 2048 \$4,127,347 \$0 \$2,377,222 \$4,127,347 \$4,127,347 \$4,127,347 2049 \$4,183,523 \$0 \$2,402,608 \$4,183,523 \$4,183,523 \$4,183,523 |
| 2050 \$3,767,653 | | 2050 \$3,202,505 \$0 \$1,720,304 \$3,202,505 \$3,202,505 \$3,202,505 | 2050 \$4,987,880 \$0 \$2,856,463 \$4,987,880 \$4,987,880 \$4,987,880 | 2050 \$4,239,698 \$0 \$2,427,993 \$4,239,698 \$4,239,698 \$4,239,698 |
| ECAT Safety | | ECAT Safety | ECAT Safety | ECAT Safety |
| ECAI Salety | Concept D Concept C Concept B Concept A | Concept D Concept C Concept B Concept A | Concept D Concept C Concept B Concept A | Concept D Concept C Concept B Concept A |
| 2031 2032 | \$ 149,850 \$ 229,744 \$ 190,439 \$ 25,010 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 | \$ 149,850 \$ 229,744 \$ 190,439 \$ 25,010 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 | 2031 \$ 149,850 \$ 229,744 \$ 190,439 \$ 25,010 2032 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 | 2031 \$ 149,850 \$ 229,744 \$ 190,439 \$ 25,010 2032 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 |
| 2032 | \$ 156,884 \$ 240,528 \$ 199,378 \$ 26,183 | \$ 155,827 \$ 255,075 \$ 154,857 \$ 25,350 | 2032 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 2033 \$ 156,884 \$ 240,528 \$ 199,378 \$ 26,183 | 2032 \$ 153,327 \$ 235,075 \$ 194,857 \$ 25,590 2033 \$ 156,884 \$ 240,528 \$ 199,378 \$ 26,183 |
| 2034 | \$ 160,524 \$ 246,109 \$ 204,004 \$ 26,791 | \$ 160,524 \$ 246,109 \$ 204,004 \$ 26,791 | 2034 \$ 160,524 \$ 246,109 \$ 204,004 \$ 26,791 | 2034 \$ 160,524 \$ 246,109 \$ 204,004 \$ 26,791 |
| 2035 2036 | \$ 164,248 \$ 251,818 \$ 208,737 \$ 27,412 \$ 168,058 \$ 257,660 \$ 213,579 \$ 28,048 | \$ 164,248 \$ 251,818 \$ 208,737 \$ 27,412 \$ 168,058 \$ 257,660 \$ 213,579 \$ 28,048 | 2035 \$ 164,248 \$ 251,818 \$ 208,737 \$ 27,412 2036 \$ 168,058 \$ 257,660 \$ 213,579 \$ 28,048 | 2035 \$ 164,248 \$ 251,818 \$ 208,737 \$ 27,412 2036 \$ 168,058 \$ 257,660 \$ 213,579 \$ 28,048 |
| 2037 | \$ 171,957 \$ 263,638 \$ 218,534 \$ 28,699 | \$ 171,957 \$ 263,638 \$ 218,534 \$ 28,699 | 2037 \$ 171,957 \$ 263,638 \$ 218,534 \$ 28,699 | 2037 \$ 171,957 \$ 263,638 \$ 218,534 \$ 28,699 |
| 2038 2039 | \$ 175,947 \$ 269,755 \$ 223,604 \$ 29,365 \$ 180,029 \$ 276,013 \$ 228,792 \$ 30,046 | \$ 175,947 \$ 269,755 \$ 223,604 \$ 29,365 \$ 180,029 \$ 276,013 \$ 228,792 \$ 30,046 | 2038 \$ 175,947 \$ 269,755 \$ 223,604 \$ 29,365 2039 \$ 180,029 \$ 276,013 \$ 228,792 \$ 30,046 | 2038 \$ 175,947 \$ 269,755 \$ 223,604 \$ 29,365 2039 \$ 180,029 \$ 276,013 \$ 228,792 \$ 30,046 |
| 2040 | \$ 184,205 \$ 282,416 \$ 234,100 \$ 30,743 | \$ 184,205 \$ 282,416 \$ 234,100 \$ 30,743 | 2040 \$ 184,205 \$ 282,416 \$ 234,100 \$ 30,743 | 2040 \$ 184,205 \$ 282,416 \$ 234,100 \$ 30,743 |
| 2041 | \$ 188,479 \$ 288,968 \$ 239,531 \$ 31,457 | \$ 188,479 \$ 288,968 \$ 239,531 \$ 31,457 | 2041 \$ 188,479 \$ 288,968 \$ 239,531 \$ 31,457 | 2041 \$ 188,479 \$ 288,968 \$ 239,531 \$ 31,457 |
| 2042 2043 | \$ 192,852 \$ 295,672 \$ 245,088 \$ 32,186 \$ 197,326 \$ 302,532 \$ 250,774 \$ 32,933 | \$ 192,852 \$ 295,672 \$ 245,088 \$ 32,186 \$ 197,326 \$ 302,532 \$ 250,774 \$ 32,933 | 2042 \$ 192,852 \$ 295,672 \$ 245,088 \$ 32,186 2043 \$ 197,326 \$ 302,532 \$ 250,774 \$ 32,933 | 2042 \$ 192,852 \$ 295,672 \$ 245,088 \$ 32,186 2043 \$ 197,326 \$ 302,532 \$ 250,774 \$ 32,933 |
| 2044 | \$ 201,904 \$ 309,551 \$ 256,592 \$ 33,697 | \$ 201,904 \$ 309,551 \$ 256,592 \$ 33,697 | 2044 \$ 201,904 \$ 309,551 \$ 256,592 \$ 33,697 | 2044 \$ 201,904 \$ 309,551 \$ 256,592 \$ 33,697 |
| 2045 2046 | \$ 206,588 \$ 316,732 \$ 262,545 \$ 34,479 \$ 211,381 \$ 324,081 \$ 268,636 \$ 35,279 | \$ 206,588 \$ 316,732 \$ 262,545 \$ 34,479 \$ 211,381 \$ 324,081 \$ 268,636 \$ 35,279 | 2045 \$ 206,588 \$ 316,732 \$ 262,545 \$ 34,479 2046 \$ 211,381 \$ 324,081 \$ 268,636 \$ 35,279 | 2045 \$ 206,588 \$ 316,732 \$ 262,545 \$ 34,479 2046 \$ 211,381 \$ 324,081 \$ 268,636 \$ 35,279 |
| 2047 | \$ 216,285 \$ 331,599 \$ 274,869 \$ 36,097 | \$ 216,285 \$ 331,599 \$ 274,869 \$ 36,097 | 2047 \$ 216,285 \$ 331,599 \$ 274,869 \$ 36,097 | 2047 \$ 216,285 \$ 331,599 \$ 274,869 \$ 36,097 |
| 2048 2049 | \$ 221,303 \$ 339,292 \$ 281,245 \$ 36,935 \$ 226,437 \$ 347,164 \$ 287,770 \$ 37,792 | \$ 221,303 \$ 339,292 \$ 281,245 \$ 36,935 \$ 226,437 \$ 347,164 \$ 287,770 \$ 37,792 | 2048 \$ 221,303 \$ 339,292 \$ 281,245 \$ 36,935 2049 \$ 226,437 \$ 347,164 \$ 287,770 \$ 37,792 | 2048 \$ 221,303 \$ 339,292 \$ 281,245 \$ 36,935 2049 \$ 226,437 \$ 347,164 \$ 287,770 \$ 37,792 |
| 2050 | \$ 231,690 \$ 355,218 \$ 294,447 \$ 38,668 | \$ 231,690 \$ 355,218 \$ 294,447 \$ 38,668 | 2050 \$ 231,690 \$ 355,218 \$ 294,447 \$ 38,668 | 2050 \$ 231,690 \$ 355,218 \$ 294,447 \$ 38,668 |
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| 3.1% USDOT Future | ra Discounting Rate | | | |
| 51270 055011 utule | ic observing the control of the cont | | | |
| NB/SB Arteria | ial Delay | SCALED NB/SB Arterial Delay | Intersection Delay | SCALED Intersection Delay |
| NO/30 AI CHA | | No/30 Arterial Delay | intersection belay | intersection belay |
| | No-Build Concept D Concept C Concept B Concept A | No-Build Concept D Concept C Concept B Concept A | No-Build Concept D Concept C Concept B Concept A | No-Build Concept D Concept C Concept B Concept A |
| 2030 | No-Build Concept D Concept C Concept B Concept A \$0 \$1,432,853 \$2,270,815 \$2,270,815 \$2,270,815 | 2030 \$0 \$1,217,925 \$1,930,192 \$1,930,192 \$1,930,192 | 2030 \$0 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 |
| 2030 2031 2032 | No-Build Concept D Concept C Concept B Concept A 50 \$1,432,853 \$2,270,815 \$2,270,815 \$2,270,815 50 \$1,397,164 \$2,235,533 \$2,235,533 \$2,235,533 | 2030 \$0 \$1,217,925 \$1,930,192 \$1,930,192 \$2,930,192 \$1,930,192 \$1,930,192 \$1,930,192 \$1,900,203 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1,900,200 \$1, | 2030 \$0 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 |
| 2031 2032 2033 | No-Build Concept D Concept C Concept B Concept A Concept A <th< th=""><th>2030 50 \$1,217,925 \$1,930,192 \$4,830,192 \$1,830,192 \$2,830,192 \$1,800,193 \$1,900,203</th><th>2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057</th><th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 50 \$1,452,483 \$2,379,122 \$2,379,122 \$2,379,122 \$2,379,132 \$2,379,132 \$2,347,748 \$2,247,748<</th></th<> | 2030 50 \$1,217,925 \$1,930,192 \$4,830,192 \$1,830,192 \$2,830,192 \$1,800,193 \$1,900,203 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 50 \$1,452,483 \$2,379,122 \$2,379,122 \$2,379,122 \$2,379,132 \$2,379,132 \$2,347,748 \$2,247,748< |
| 2031 2032 2033 2034 | No-Build Concept D Concept C Concept B Concept A 50 \$1,422,853 \$22,770,815 \$22,270,815 \$2,270,815 \$0 \$1,397,164 \$22,235,533 \$2,235,533 \$2,235,533 \$0 \$1,362,326 \$2,200,321 \$2,200,321 \$2,200,321 \$0 \$1,328,320 \$2,165,205 \$2,165,205 \$2,165,205 \$0 \$1,295,127 \$2,130,211 \$2,130,211 \$2,130,211 | 2030 50 \$1,217,925 \$1,930,192 \$4,830,192 \$1,900,203 \$1,900,203 | 2030 \$0 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,799,379 \$2,789,979 \$2,789,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,799,132 \$2,379,132 \$2,379,132 \$2,379,132 \$2,377,48 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 |
| 2031 2032 2033 2034 2035 2036 | No-Build Concept D Concept C Concept B Concept A Concept A <th< th=""><th>2030 \$0 \$1,217,925 \$1,930,192 \$4,830,192 \$1,830,192 \$1,830,192 \$1,830,192 \$1,900,203 \$1,800,203 \$1,800,424 \$1,800,424 \$1,800,424 \$1,800,424 \$1,800,424 \$1,810,424 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,609 \$1,781,684 \$1,781,584 \$1,781,584 \$1,781,584</th><th>2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,788,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,724,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635</th><th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2033 50 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,324,234 \$2,284</th></th<> | 2030 \$0 \$1,217,925 \$1,930,192 \$4,830,192 \$1,830,192 \$1,830,192 \$1,830,192 \$1,900,203 \$1,800,203 \$1,800,424 \$1,800,424 \$1,800,424 \$1,800,424 \$1,800,424 \$1,810,424 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,609 \$1,781,684 \$1,781,584 \$1,781,584 \$1,781,584 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,788,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,724,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2033 50 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,324,234 \$2,284 |
| 2031 2032 2033 2034 2035 2036 2037 | No-Build Concept D Concept C Concept B Concept A Concept A 50 \$1,432,853 \$2,270,815 \$2,270,815 \$2,270,815 \$0 \$1,397,164 \$2,255,533 \$2,252,533 \$2,225,533 \$0 \$1,362,326 \$2,200,321 \$2,200,321 \$2,200,321 \$0 \$1,328,320 \$2,186,205 \$2,165,205 \$2,165,205 \$0 \$1,295,127 \$2,130,211 \$2,130,211 \$2,130,211 \$2,130,211 \$2,130,211 \$2,130,211 \$2,130,211 \$2,130,211 \$2,095,364 \$2,095,364 \$2,095,364 \$2,095,364 \$2,095,364 \$2,095,364 \$2,065,687 \$2,066,687 \$2,066,687 \$2,066,687 \$2,062,201 \$2,026,201 | 2030 50 \$1,217,925 \$1,930,192 \$4,630,192 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,800,424 \$1,810,679 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,788,979 \$2,789,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,635 \$2,649,635 \$2,649 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,279,132 \$2,379,132 \$2,379,132 \$2,379,132 \$2,379,132 \$2,347,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,326,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,284,234 \$2,282,007 \$2,252,100 \$2,252,100 \$2,252,100 \$2,252,100 \$2,252,100 \$2,252,000 |
| 2031 2032 2033 2034 2035 2036 | No-Build Concept D Concept C Concept B Concept A Concept A <th< th=""><th>2030 \$0 \$1,217,925 \$1,930,192 \$4,930,192 \$4,930,023 \$1,930,023 \$1,900,203 \$1,800,203 \$1,800,203 \$1,800,424</th><th>2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635</th><th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,426,955 \$1,237,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,346,204 \$2,284,234 \$2,284</th></th<> | 2030 \$0 \$1,217,925 \$1,930,192 \$4,930,192 \$4,930,023 \$1,930,023 \$1,900,203 \$1,800,203 \$1,800,203 \$1,800,424 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,426,955 \$1,237,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,346,204 \$2,284,234 \$2,284 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 | No-Build Concept D Concept C Concept B Concept A Concept B Concept C Concept B Concept C Concept C <th< th=""><th>2030 \$0 \$1,217,925 \$1,930,192 \$1,900,203 \$1,900,203 \$1,900,203 \$2,900,203 \$1,900,203 \$2,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$2,000,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,818 \$1,100,818 \$1,800,424 \$1,840,424 \$1,</th><th>2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 50 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 50 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 50 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 50 \$1,684,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 50 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 50 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635 2037 50 \$1,561,357 \$2,611,773 \$2,611,773 \$2,611,773 2038 50 \$1,582,735 \$2,573,793 \$2,573,793 \$2,573,793 2039 50 \$1,504,422 \$2,535,735 \$2,535,735 \$2,535,735 2040 50 \$1,476,427 \$2,497,639 \$2,497,639 \$2,497,639</th><th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,379,132 \$2,379,132 \$2,379,132 \$2,379,132 \$2,377,748 \$2,347,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234</th></th<> | 2030 \$0 \$1,217,925 \$1,930,192 \$1,900,203 \$1,900,203 \$1,900,203 \$2,900,203 \$1,900,203 \$2,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$2,000,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,818 \$1,100,818 \$1,800,424 \$1,840,424 \$1, | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 50 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 50 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 2033 50 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 50 \$1,684,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 50 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 50 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635 2037 50 \$1,561,357 \$2,611,773 \$2,611,773 \$2,611,773 2038 50 \$1,582,735 \$2,573,793 \$2,573,793 \$2,573,793 2039 50 \$1,504,422 \$2,535,735 \$2,535,735 \$2,535,735 2040 50 \$1,476,427 \$2,497,639 \$2,497,639 \$2,497,639 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,379,132 \$2,379,132 \$2,379,132 \$2,379,132 \$2,377,748 \$2,347,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,247,748 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 | No-Build Concept D Concept C Concept B Concept A Concept B Concept A Concept B S.2,708,15 S.2,270,815 S.2,270,815 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,200,321 S.2,165,205 S.2,165 | 2030 \$0 \$1,27,975 \$1,930,192 \$1,900,203 \$1,900,203 \$1,900,203 \$2,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,17,000,203 \$1,17,000,203 \$1,17,000,203 \$1,180,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,180 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,283,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,789,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,500,281 \$2,649,635 \$2,649,635 \$2,649,635 2037 \$0 \$1,561,357 \$2,611,773 \$2,611,773 \$2,611,773 2038 \$0 \$1,52,73,793 \$2,573,793 \$2,573,793 \$2,573,793 2039 \$0 \$1,504,422 \$2,355,735 \$2,535,735 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,482,483 \$2,379,132 \$2,379,132 \$2,379,132 \$2,379,132 2033 \$0 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,324,244 \$2,284,234 \$2,284 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 | No-Build Concept D Concept C Concept B Concept A Concept B S2.708.15 S2.2708.23 S2.285.33 S2.235.533 S2.206.201 S2.200.321 S2.200.321 S2.200.321 S2.200.321 S2.200.321 S2.103.211 S2.103.211 S2.103.211 S2.103.211 S2.103.211 S2.205.302 S2.005.6687 S2.006.687 S2.006.687 S2.006.687 S2.006.687 S2.006.687 S2.006.687 S2.006.687 S2.006.687 S2.006.201 | 2030 \$0 \$1,217,925 \$1,930,192 \$4,630,192 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,800,203 \$1,800,203 \$1,810,679 \$1,810,424 \$1,840,424 \$1,810,609 \$1,810,609 \$1,810,600 \$1,810,609 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,798,979 \$2,798,979 \$2,798,979 2033 \$0 \$1,648,998 \$2,724,825 \$2,724 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 2032 50 \$1,482,483 \$2,379,132 \$2,379,132 \$2,379,132 2033 50 \$1,462,6955 \$2,347,748 \$2,247,748 \$2,247,748 2034 50 \$1,401,648 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,284,234 2036 50 \$1,376,573 \$2,284,234 \$2,284,234 \$2,282,190 \$2,252,190 |
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| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 | No-Build Concept D Concept C Concept B Concept A Concept B S.2.70.815 S.2.270.815 S.2.235.533 S.2.235.533 S.2.235.533 S.2.235.533 Concept D S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.200.321 S.2.006.687 S.2.065.6687 S.2.065.6687 S.2.065.6687 S.2.065.6687 S.2.065.60687 S.2.065.601 S.2.026.201 S.2.026.201 <th< th=""><th>2030 \$0 \$1,217,925 \$1,930,192 \$4,630,192 \$1,930,203 \$1,900,203 \$1,800,424 \$1,840,424</th><th>2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,788,979 \$2,789,979 2033 \$0 \$1,648,998 \$2,724,825 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,699,998 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635 2037 \$0 \$1,561,357 \$2,611,773<th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,247,748 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234</th></th></th<> | 2030 \$0 \$1,217,925 \$1,930,192 \$4,630,192 \$1,930,203 \$1,900,203 \$1,800,424 \$1,840,424 | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 \$0 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 \$0 \$1,708,804 \$2,798,979 \$2,788,979 \$2,789,979 2033 \$0 \$1,648,998 \$2,724,825 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,699,998 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,590,281 \$2,649,635 \$2,649,635 \$2,649,635 2037 \$0 \$1,561,357 \$2,611,773 <th>2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,247,748 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234</th> | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,247,748 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 \$2,248,234 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 | No-Build Concept D Concept C Concept B Concept A Concept A Concept A South States Stat | 2031 \$0 \$1,187,590 \$1,900,192 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$2,000,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,1870,273 \$1,870,273 \$1 | 2020 S0 S1,769,604 S2,871,669 S2,871,669 S2,871,669 2031 S0 S1,739,087 S2,835,536 S2,835,536 S2,835,536 S2,835,536 S0,835,536 S0,835,670 S2,768,077 S2,762,057 S0,516,948 S2,769,334 S2,687,334 S2,687,345 S2,649,635 S2,649,635 S2,649,635 S2,649,635 S2,649,635 S2,649,635 S2,649,635 S2,737,793 S2,611,773 S2,611,773 S2,611,773 S2,611,773 S2,611,773 S2,612,773 S2,612,777 S2,722,777 S2,72 | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,248 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,417,748 \$2,347,748 |
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| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept A S | 2030 2031 50 \$1,187,590 \$1,900,003 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,810,679 \$2034 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$2035 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,046,443 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$2037 \$0 \$1,002,212 \$1,722,271 \$1,722,271 \$2038 \$0 \$996,612 \$1,664,198 \$1,664,198 \$2040 \$0 \$996,629 \$1,664,198 \$1,664,198 \$1,664,198 \$2040 \$0 \$994,612 \$1,664,198 \$1,666,662 \$1,666,66 | 2020 S0 S1,769,604 S2,871,669 S2,871,669 S2,871,669 2031 S0 S1,739,087 S2,835,536 S2,835,536 S2,835,536 S0,835,536 S0,835,648,598 S2,768,625 S2,768,057 S2,762,057 S | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,248 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,478,248 \$2,379,132 \$2,379,132 \$2,379,132 2033 \$0 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 2034 \$0 \$1,401,648 \$2,316,101 \$2,316,101 \$2,316,101 \$2,326,243 \$2,224,234 \$ |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 | No-Build Concept D Concept C Concept B Concept A S.2.70.815 S.2.70.815 S.2.70.815 S.2.270.821 S.2.200.321 | 2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,129,907 \$1,810,627 \$2,1840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,840,424 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$2,037 \$0, \$1,002,012 \$1,782,2271 \$1,722,271 \$2,038 \$0, \$1,002,012 \$1,782,2271 \$1,722,271 \$1,722,271 \$2,038 \$0, \$946,12 \$1,664,198 \$1,664,198 \$1,664,198 \$2,040 \$0, \$946,29 \$1,664,198 \$1,664,198 \$1,664,198 \$2,664,198 \$ | 2030 50 \$1,769,604 \$2,871,669 \$2,871,669 \$2,871,669 2031 50 \$1,739,087 \$2,835,536 \$2,835,536 \$2,835,536 2032 50 \$1,708,804 \$2,798,979 \$2,788,979 \$2,798,979 2033 \$0 \$1,678,770 \$2,762,057 \$2,762,057 \$2,762,057 2034 \$0 \$1,648,998 \$2,274,825 \$2,724,825 \$2,724,825 2035 \$0 \$1,619,498 \$2,687,334 \$2,687,334 \$2,687,334 \$2,687,334 2036 \$0 \$1,561,357 \$2,611,773 | 2030 50 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 50 \$1,478,224 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,410,205 \$2,47,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,346,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,316,101 \$2,3216,101 \$2,284,234 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept A S | 2030 2031 50 \$1,187,590 \$1,900,003 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,810,679 \$2034 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$2035 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,046,443 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$2037 \$0 \$1,002,212 \$1,722,271 \$1,722,271 \$2038 \$0 \$996,612 \$1,664,198 \$1,664,198 \$2040 \$0 \$996,629 \$1,664,198 \$1,664,198 \$1,664,198 \$2040 \$0 \$994,612 \$1,664,198 \$1,666,662 \$1,666,66 | 2020 S0 S1,769,604 S2,871,669 S2,871,669 S2,871,669 2031 S0 S1,739,087 S2,835,536 S2,835,536 S2,835,536 S0,835,536 S0,835,648,598 S2,768,625 S2,768,057 S2,762,057 S | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,248 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,478,248 \$2,379,132 \$2,379,132 \$2,379,132 2033 \$0 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 2034 \$0 \$1,401,648 \$2,316,101 \$2,316,101 \$2,316,101 \$2,326,243 \$2,224,234 \$ |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept A S | 2030 2031 50 \$1,187,590 \$1,900,003 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,810,679 \$2034 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$2035 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$2036 \$0 \$1,046,443 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$1,751,584 \$2037 \$0 \$1,002,212 \$1,722,271 \$1,722,271 \$2038 \$0 \$996,612 \$1,664,198 \$1,664,198 \$2040 \$0 \$996,629 \$1,664,198 \$1,664,198 \$1,664,198 \$2040 \$0 \$994,612 \$1,664,198 \$1,666,662 \$1,666,66 | 2020 S0 S1,769,604 S2,871,669 S2,871,669 S2,871,669 2031 S0 S1,739,087 S2,835,536 S2,835,536 S2,835,536 S0,835,536 S0,835,648,598 S2,768,625 S2,768,057 S2,762,057 S | 2030 \$0 \$1,504,164 \$2,440,919 \$2,440,919 \$2,440,919 2031 \$0 \$1,478,248 \$2,410,205 \$2,410,205 \$2,410,205 2032 \$0 \$1,478,248 \$2,379,132 \$2,379,132 \$2,379,132 2033 \$0 \$1,426,955 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 \$2,347,748 2034 \$0 \$1,401,648 \$2,316,101 \$2,316,101 \$2,316,101 \$2,326,243 \$2,224,234 \$ |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept B Concept A Concept C Concept C <th< th=""><th>2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,203 \$1,100,858 \$1,180,679 \$2,110,684 \$2,120,520 \$2,180,424 \$2,181,666,679 \$2,181,666,672 \$2,181,666,672 \$2,182,674 \$2,281</th><th>2031</th><th>2031</th></th<> | 2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,203 \$1,100,858 \$1,180,679 \$2,110,684 \$2,120,520 \$2,180,424 \$2,181,666,679 \$2,181,666,672 \$2,181,666,672 \$2,182,674 \$2,281 | 2031 | 2031 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept B Concept A Concept C S2,270,815 S2,270,815 S2,270,815 S2,220,321 S2,200,321 S2,200,3 | 2030 S | 2031 | 2030 \$0 \$1,436,488 \$2,440,919 \$2, |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept B Concept A Concept C Concept C <th< th=""><th>2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,120,072 \$1,840,424 \$1,840,42</th><th>2031</th><th>2031</th></th<> | 2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,120,072 \$1,840,424 \$1,840,42 | 2031 | 2031 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Concept A So \$1.432.853 \$2.270.815 \$2.2 | 2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,100,858 \$1,810,679 \$1,810,679 \$2,035 \$0 \$1,100,858 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$1,810,679 \$2,1810,697 \$2,1810,6 | 2031 | 2031 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 | No-Build Concept D Concept C Concept B Concept A Society A 50 \$1,432,853 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$22,70,815 \$20,813,813,813,814 \$20,813,814 \$20,813,814 \$20,81 | 2030 2031 50 \$1,187,590 \$1,190,192 2032 50 \$1,157,977 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,870,273 \$1,810,679 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,100,858 \$1,1781,666 \$0 \$1,1781,666 \$0 \$1,1781,666 \$0 \$1,1781,666 \$0 \$1,1781,666 \$1,1781,666 \$1,1781,666 \$1,1781,666 \$1,1781,667 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,671 \$1,1781,672 \$1,1781,679 \$1,1661,198 \$1,1661,198 \$1,1661,198 \$1,1781,691 \$ | 2031 | 2031 |
| 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 TOTAL | No-Build Concept D Concept C Concept B Concept A Society | 2030 2031 50 \$1,187,590 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,900,203 \$1,800,858 \$1,810,667 \$2035 \$0 \$1,1073,320 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,660 \$1,781,681 \$2037 \$0 \$1,000,212 \$1,782,2271 \$1,722,271 \$1,722,271 \$1,722,271 \$1,722,271 \$1,722,271 \$1,900,203 \$2040 \$0 \$966,629 \$1,664,198 \$1,6 | 2031 | 2031 |