**MOE - 2040 AM Peak**

| ID | Segment Code | Analysis Input | | | | HCM Results* | | | | | VISSIM Results | | | | Key MOE Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/m/ln) | Delay (s/veh) | LOS | Density (pc/m/ln) | Delay (s/veh) | TTI | LOS | |
| 1 | W0104 | Weaving | 1,590 | 55 | 2 | 3,577 | 3,688 | 0.97 | 33.1 | E | 25.8 | D | 20.7 | 0.84 | 32.9 | -37% |
| 2 | W0105 | Weaving | 1,740 | 55 | 3 | 3,553 | 5,922 | 0.60 | 26.6 | C | 15.9 | C | 12.8 | 0.52 | 22.4 | -43% |
| 3 | B0514 | Weaving | 770 | 50 | 1 | 442 | 2,200 | 0.20 | 8.8 | NA | 7.9 | NA | 6.5 | NA | 7.4 | -12% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,254 | 2,200 | 0.57 | 25.1 | C | 26.6 | C | 19.6 | 1.12 | 19.2 | 2% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 2,028 | 4,600 | 0.44 | 16.9 | B | 15.4 | B | 14.3 | 1.03 | 13.3 | 8% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.62 | NA | 13.9 | B | n/a | 10.9 | NA | 10.8 | -22% |
| 7 | W0911 | Weaving | 1,780 | 45 | 2 | 1,469 | 3,653 | 0.32 | 13.9 | B | 17.9 | B | 16.5 | 1.09 | 17.8 | -7% |
| 8 | B0516 | Basic | 1,410 | 65 | 2 | 2,384 | 4,700 | 0.51 | 18.3 | C | 19.3 | C | 22.7 | 1.04 | 19.5 | 6% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 2,672 | NA | NA | 25.3 | C | 18.3 | D | 21.3 | 1.06 | 25.2 | -28% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 3,024 | 4,447 | 0.68 | 22.8 | C | 24.3 | C | 20.8 | 1.07 | 24.0 | -14% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 3,392 | 6,523 | 0.52 | 20.4 | C | 18.8 | B | 17.3 | 1.04 | 18.0 | -4% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 3,324 | 6,116 | 0.38 | 13.7 | B | 12.3 | B | 11.2 | 1.03 | 11.7 | 7% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 1,598 | 4,439 | 0.36 | 14.1 | B | 12.4 | B | 10.2 | 1.02 | 11.9 | -12% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 749 | 1,100 | 0.36 | 18.7 | C | 16.8 | B | 10.9 | 1.09 | 13.4 | -11% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 152 | 2,250 | 0.07 | 2.8 | A | 3.8 | A | 3.9 | 1.12 | 4.2 | 36% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 999 | 2,000 | 0.50 | 33.3 | E | 35.6 | D | 22.4 | 1.13 | 39.0 | 7% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 1,452 | 4,700 | 0.31 | 11.2 | B | 10.9 | B | 8.1 | 1.09 | 11.8 | -2% |
| 18 | W0302 | Weaving | 1,490 | 50 | 3 | 2,005 | 5,276 | 0.38 | 16.0 | B | 8.1 | C | 20.2 | 1.03 | 8.9 | -49% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 2,028 | 4,500 | 0.45 | 18.4 | C | 20.2 | D | 28.2 | 1.10 | 20.0 | 10% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 1,059 | 2,100 | 0.50 | 26.5 | NA | NA | NA | NA | 1.10 | 31.2 | 7% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 857 | 2,100 | 0.41 | 21.4 | | | | | 1.25 | 23.7 | 1% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 209 | 2,250 | 0.09 | 3.8 | | | | | 1.05 | 4.5 | 6% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 934 | 2,100 | 0.44 | 17.0 | | | | | 1.06 | 20.5 | 12% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,106 | 3,687 | 0.30 | 13.1 | | | | | 1.12 | 14.7 | 58% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 1,451 | 3,721 | 0.39 | 17.4 | | | | | 1.22 | 19.6 | 11% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 349 | 2,200 | 0.16 | 7.0 | | | | | 1.07 | 10.3 | 32% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 553 | 2,200 | 0.25 | 11.1 | | | | | 1.18 | 11.2 | -10% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 286 | 2,000 | 0.14 | 8.2 | | | | | 1.05 | 6.3 | -23% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 823 | 2,200 | 0.37 | 16.5 | | | | | 1.21 | 21.9 | 33% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 258 | NA | NA | 30.9 | | | | | 1.26 | 27.1 | -12% |
| 31 | BAA01 | Basic | 1,230 | 55 | 2 | 3,258 | 4,500 | 0.72 | 29.6 | | | | | 1.08 | 26.4 | -11% |
| 32 | B0288 | Basic | 1,230 | 50 | 2 | 1,660 | 4,400 | 0.38 | 16.6 | | | | | 1.02 | 12.6 | -24% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 1,907 | NA | NA | 17.8 | | | | | 1.01 | 12.0 | -33% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.54 | NA | | | | | NA | n/a | 2% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.44 | NA | | | | | NA | n/a | 20% |

*N102 & N103 outputed by Synchro 9

**MOE - 2020 AM Peak**

| ID | Segment Code | Analysis Input | | | | HCM Results* | | | | | VISSIM Results | | | | Key MOE Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/m/ln) | Delay (s/veh) | LOS | Density (pc/m/ln) | Delay (s/veh) | TTI | LOS | |
| 1 | W0104 | Weaving | 1,590 | 55 | 2 | 3,848 | 3,700 | 1.04 | NA | F | 28.3 | | | 1.17 | F | NA |
| 2 | W0105 | Weaving | 1,740 | 55 | 3 | 3,836 | 5,902 | 0.65 | 29.3 | D | 17.4 | B | 11.0 | 1.11 | B | -41% |
| 3 | B0514 | Weaving | 770 | 50 | 1 | 480 | 2,200 | 0.22 | 9.6 | NA | 8.8 | NA | 7.9 | 1.11 | A | -9% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,352 | 2,200 | 0.61 | 22.0 | D | 29.2 | D | 16.8 | 1.16 | D | 8% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 2,176 | 4,600 | 0.47 | 18.1 | C | 19.7 | C | 15.3 | 1.03 | C | 9% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.65 | NA | 15.0 | B | n/a | 11.0 | NA | B | -27% |
| 7 | W0911 | Weaving | 1,780 | 45 | 2 | 1,574 | 3,577 | 0.44 | 19.2 | B | 17.8 | B | 11.0 | 1.08 | B | -7% |
| 8 | B0516 | Basic | 1,410 | 65 | 2 | 2,950 | 4,700 | 0.63 | 22.7 | C | 24.6 | C | 19.5 | 1.06 | C | 8% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 3,274 | NA | NA | 30.0 | D | 23.8 | D | 22.7 | 1.07 | C | -22% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 3,270 | 4,479 | 0.73 | 30.6 | D | 26.8 | C | 20.9 | 1.09 | C | -13% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 3,664 | 6,543 | 0.56 | 22.8 | C | 20.7 | C | 17.9 | 1.06 | C | -7% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 2,495 | 6,085 | 0.41 | 14.9 | B | 13.2 | B | 11.7 | 1.03 | B | 11% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 1,721 | 4,413 | 0.39 | 15.3 | B | 13.4 | B | 11.9 | 1.02 | B | -13% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 797 | 2,100 | 0.38 | 19.9 | B | 17.9 | D | 15.8 | 1.09 | B | -10% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 166 | 2,250 | 0.07 | 3.0 | A | 4.2 | A | 3.9 | 1.12 | A | 39% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 1,083 | 2,000 | 0.54 | 36.1 | E | 39.0 | E | 24.5 | 1.15 | E | 8% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 1,560 | 4,700 | 0.33 | 12.0 | B | 11.8 | B | 10.5 | 1.02 | B | -2% |
| 18 | W0302 | Weaving | 1,490 | 50 | 3 | 2,175 | 5,305 | 0.41 | 17.6 | B | 8.9 | A | 7.5 | 1.10 | A | -49% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 2,200 | 4,500 | 0.49 | 20.0 | C | 22.0 | C | 16.7 | 1.04 | C | 10% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 1,154 | 2,100 | 0.55 | 28.8 | D | 31.2 | D | 23.7 | 1.11 | D | 8% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 928 | 2,100 | 0.44 | 23.2 | NA | 23.7 | NA | 14.2 | 1.26 | C | 2% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 234 | 2,250 | 0.10 | 4.3 | A | 4.5 | A | 3.8 | 1.06 | A | 5% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 1,008 | 2,100 | 0.48 | 18.3 | B | 18.3 | C | 20.5 | 1.06 | C | 12% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,193 | 3,615 | 0.33 | 14.2 | B | 22.4 | C | 20.1 | 1.13 | C | 58% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 1,574 | 3,748 | 0.42 | 19.0 | B | 21.6 | C | 19.7 | 1.24 | C | 14% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 386 | 2,200 | 0.18 | 7.7 | A | 10.3 | A | 9.2 | 1.07 | A | 34% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 614 | 2,200 | 0.28 | 12.3 | B | 11.2 | B | 10.0 | 1.18 | B | -9% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 309 | 2,000 | 0.15 | 8.8 | A | 6.8 | A | 6.3 | 1.05 | A | -23% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 885 | 2,200 | 0.40 | 17.7 | B | 25.2 | C | 18.7 | 1.25 | C | 42% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 3,504 | NA | NA | 33.0 | D | 31.9 | D | 26.8 | 1.32 | D | -3% |
| 31 | BAA01 | Basic | 1,230 | 55 | 2 | 3,504 | 4,500 | 0.78 | 31.9 | D | 29.1 | D | 25.3 | 1.10 | D | -9% |
| 32 | B0288 | Basic | 1,230 | 50 | 2 | 1,784 | 4,400 | 0.41 | 17.8 | D | 13.5 | B | 15.5 | 1.02 | B | -24% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 2,049 | NA | NA | 18.9 | B | 12.9 | B | 16.7 | 1.02 | B | -32% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.58 | NA | 4.1 | A | n/a | 4.5 | NA | A | 10% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.46 | NA | 4.6 | A | n/a | 4.6 | NA | A | -1% |

*N102 & N103 outputed by Synchro 9

**MOE - 2016 AM Peak**

| ID | Segment Code | Analysis Input | | | | HCM Results* | | | | | VISSIM Results | | | | Key MOE Difference |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/m/ln) | Delay (s/veh) | LOS | Density (pc/m/ln) | Delay (s/veh) | TTI | LOS | |
| 1 | W0104 | Weaving | 1,590 | 55 | 2 | 3,085 | 3,673 | 0.84 | 32.9 | | | 20.7 | | 1.10 | D | -37% |
| 2 | W0105 | Weaving | 1,740 | 55 | 3 | 3,061 | 5,887 | 0.52 | 22.4 | C | 12.8 | C | 15.9 | 1.06 | B | -43% |
| 3 | B0514 | Weaving | 770 | 50 | 1 | 369 | 2,200 | 0.17 | 7.4 | NA | 6.5 | NA | 7.9 | 1.08 | A | -12% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 885 | 2,200 | 0.40 | 17.7 | NA | 19.6 | C | 19.2 | 1.12 | C | 2% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 1,598 | 4,600 | 0.35 | 13.3 | | 15.4 | | 14.3 | 1.02 | B | 8% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.51 | NA | 10.8 | B | n/a | 9.0 | NA | A | -19% |
| 7 | W0911 | Weaving | 1,780 | 45 | 2 | 1,095 | 3,650 | 0.30 | 13.0 | | | 17.9 | | 1.09 | B | -7% |
| 8 | B0516 | Basic | 1,410 | 65 | 2 | 2,384 | 4,700 | 0.51 | 18.3 | | | 19.3 | | 1.04 | C | 7% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 2,659 | NA | NA | 25.2 | | | 18.3 | | 1.05 | B | -27% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 2,655 | 4,425 | 0.60 | 24.0 | | | 20.8 | | 1.06 | C | -13% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 3,024 | 6,434 | 0.47 | 17.9 | | | 17.3 | | 1.04 | B | -4% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 2,201 | 6,114 | 0.36 | 12.8 | | | 12.0 | | 1.02 | B | 7% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 1,536 | 4,389 | 0.35 | 13.5 | | | 12.0 | | 1.02 | B | -12% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 690 | 2,100 | 0.33 | 15.3 | | | 16.4 | | 1.09 | B | -11% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 152 | 2,250 | 0.07 | 2.8 | | | 3.9 | | 1.12 | A | 39% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 714 | 2,000 | 0.36 | 24.5 | | | 27.4 | | 1.13 | D | 5% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 1,388 | 4,700 | 0.30 | 10.7 | | | 10.6 | | 1.02 | A | -2% |
| 18 | W0302 | Weaving | 1,490 | 50 | 3 | 1,881 | 5,374 | 0.35 | 14.8 | | | 7.6 | | 1.09 | A | -50% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 1,684 | 4,500 | 0.37 | 15.3 | | | 17.8 | | 1.03 | B | 27% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 761 | 2,100 | 0.36 | 19.0 | | | 22.0 | | 1.08 | C | 5% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 571 | 2,100 | 0.27 | 14.3 | | | 16.1 | | 1.24 | B | 0% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 196 | 2,250 | 0.09 | 3.6 | | | 3.7 | | 1.06 | A | 4% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 898 | 2,100 | 0.43 | 18.3 | | | 19.1 | | 1.05 | C | 12% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 788 | 3,582 | 0.22 | 9.2 | | | 16.1 | | 1.09 | B | 60% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 1,082 | 3,607 | 0.30 | 12.7 | | | 14.4 | | 1.19 | B | 3% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 299 | 2,200 | 0.14 | 6.0 | | | 8.1 | | 1.07 | A | 31% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 492 | 2,200 | 0.22 | 9.8 | | | 8.9 | | 1.18 | A | -12% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 262 | 2,000 | 0.13 | 7.5 | | | 5.9 | | 1.04 | A | -24% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 524 | 2,200 | 0.24 | 10.5 | | | 14.2 | | 1.12 | B | 18% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 2,778 | NA | NA | 26.8 | | | 21.0 | | 1.19 | C | -21% |
| 31 | BAA01 | Basic | 1,230 | 55 | 2 | 2,778 | 4,500 | 0.62 | 25.3 | | | 21.7 | | 1.06 | C | -13% |
| 32 | B0288 | Basic | 1,230 | 50 | 2 | 1,548 | 4,400 | 0.35 | 15.5 | | | 11.7 | | 1.02 | B | -25% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 1,769 | NA | NA | 16.7 | | | 11.2 | | 1.01 | B | -34% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.49 | NA | 3.0 | A | n/a | 3.6 | NA | A | 24% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.41 | NA | 3.3 | A | n/a | 4.1 | NA | A | 21% |

*N102 & N103 outputed by Synchro 9

**MOE - 2040 PM Peak**

| | | Analysis Input | | | | HCM Results* | | | | VISSIM Results | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | Segment Code | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/mi/ln) | LOS | Density (pc/mi/ln) | Delay (s/veh) | TTI | LOS | Key MOE Difference |
| 1 | WO104 | Weaving | 1,590 | 55 | 2 | 3,197 | 3,675 | 0.87 | 34.8 | D | 22.4 | NA | 1.15 | E | -36% |
| 2 | WO105 | Weaving | 1,740 | 55 | 3 | 3,197 | 5,813 | 0.55 | 23.8 | C | 14.7 | NA | 1.09 | B | -38% |
| 3 | BO514 | Weaving | 770 | 50 | 1 | 529 | 2,200 | 0.24 | 10.6 | A | 10.1 | NA | 1.12 | A | -5% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,610 | 2,200 | 0.73 | 32.2 | D | 37.2 | E | 1.20 | E | 15% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 3,344 | 4,600 | 0.73 | 27.9 | D | 31.2 | NA | 1.05 | D | 12% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.78 | NA | 20 | n/a | 15.3 | NA | B | -24% |
| 7 | WO911 | Weaving | 1,780 | 45 | 2 | 1,644 | 3,600 | 0.51 | 22.7 | C | 20.7 | NA | 1.12 | C | -9% |
| 8 | BO516 | Basic | 1,410 | 65 | 2 | 2,184 | 4,700 | 0.46 | 16.8 | B | 18.1 | NA | 1.04 | C | 8% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 2,538 | NA | NA | 24.2 | C | 17.3 | NA | 1.05 | B | -29% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 2,533 | 4,444 | 0.57 | 22.8 | C | 20.0 | NA | 1.06 | B | -12% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 2,939 | 6,389 | 0.46 | 17.4 | B | 16.9 | NA | 1.05 | B | -3% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 4,886 | 6,185 | 0.79 | 32.2 | D | 29.0 | NA | 1.10 | D | -10% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 3,434 | 4,704 | 0.73 | 33.4 | D | 29.4 | NA | 1.09 | D | -12% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 1,678 | 2,100 | 0.80 | 41.9 | E | 40.4 | NA | 1.16 | E | -4% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 432 | 2,250 | 0.19 | 7.9 | A | 11.3 | NA | 1.14 | B | 43% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 1,220 | 2,000 | 0.61 | 40.7 | E | 43.7 | NA | 1.19 | E | 7% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 3,016 | 4,700 | 0.64 | 23.3 | C | 28.8 | NA | 1.05 | C | 2% |
| 18 | WO302 | Weaving | 1,490 | 50 | 3 | 4,042 | 5,318 | 0.76 | 38.7 | E | 20.1 | NA | 1.28 | C | -48% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 2,104 | 4,500 | 0.47 | 19.1 | C | 21.4 | NA | 1.05 | C | 12% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 1,111 | 2,100 | 0.53 | 22.8 | D | 30.3 | NA | 1.11 | D | 9% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 817 | 2,100 | 0.39 | 20.4 | C | 22.2 | NA | 1.29 | C | 9% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 304 | 2,250 | 0.14 | 5.5 | A | 6.0 | NA | 1.08 | A | 9% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 957 | 2,100 | 0.46 | 21.3 | C | 19.8 | NA | 1.07 | C | -7% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,430 | 3,667 | 0.39 | 17.3 | B | 33.9 | NA | 1.32 | D | 96% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 2,150 | 3,583 | 0.60 | 26.6 | C | 54.1 | NA | 1.50 | F | 103% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 730 | 2,200 | 0.33 | 14.6 | B | 20.5 | NA | 1.13 | C | 41% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 1,024 | 2,200 | 0.47 | 20.5 | C | 20.6 | NA | 1.26 | C | 0% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 338 | 2,000 | 0.17 | 9.6 | A | 7.4 | NA | 1.05 | A | -23% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 1,096 | 2,200 | 0.50 | 21.9 | C | 42.6 | NA | 1.43 | E | 94% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 2,826 | NA | NA | 22.2 | C | 22.8 | NA | 1.23 | C | -16% |
| 31 | BA001 | Basic | 1,230 | 55 | 2 | 2,826 | 4,500 | 0.63 | 25.7 | C | 22.7 | NA | 1.07 | C | -12% |
| 32 | BO2BB | Basic | 1,230 | 50 | 2 | 3,648 | 4,400 | 0.83 | 36.5 | E | 29.9 | NA | 1.09 | D | -18% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 4,075 | NA | NA | 34.6 | D | 26.5 | NA | 1.05 | C | -23% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.67 | NA | 5.1 | n/a | 7.3 | NA | A | 43% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.41 | NA | 3.5 | n/a | 4.6 | NA | A | -9% |

*N102 & N103 outputed by Synchro 9

**MOE - 2070 PM Peak**

| | | Analysis Input | | | | HCM Results* | | | | VISSIM Results | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | Segment Code | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/mi/ln) | LOS | Density (pc/mi/ln) | Delay (s/veh) | TTI | LOS | Key MOE Difference |
| 1 | WO104 | Weaving | 1,590 | 55 | 2 | 3,434 | 5,653 | 0.94 | 37.9 | E | 24.8 | NA | 1.18 | C | -34% |
| 2 | WO105 | Weaving | 1,740 | 55 | 3 | 3,423 | 5,802 | 0.59 | 25.8 | C | 16.2 | NA | 1.11 | B | -37% |
| 3 | BO514 | Weaving | 770 | 50 | 1 | 563 | 2,200 | 0.26 | 11.3 | B | 11.1 | NA | 1.13 | B | -2% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,722 | 2,200 | 0.78 | 34.4 | D | 40.4 | NA | 1.21 | E | 18% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 3,580 | 4,600 | 0.78 | 30.2 | D | 33.6 | NA | 1.05 | D | 11% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.83 | NA | 23.5 | n/a | 17.8 | NA | B | -24% |
| 7 | WO911 | Weaving | 1,780 | 45 | 2 | 1,982 | 3,604 | 0.55 | 24.7 | C | 22.5 | NA | 1.13 | C | -9% |
| 8 | BO516 | Basic | 1,410 | 65 | 2 | 2,342 | 4,700 | 0.50 | 18.0 | B | 19.5 | NA | 1.05 | C | 8% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 2,730 | NA | NA | 25.7 | C | 18.7 | NA | 1.06 | B | -27% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 2,724 | 4,394 | 0.62 | 24.8 | C | 21.6 | NA | 1.07 | C | -13% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 3,152 | 6,433 | 0.49 | 18.8 | B | 18.2 | NA | 1.05 | B | -3% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 5,257 | 6,185 | 0.85 | 35.4 | C | 32.3 | NA | 1.13 | D | -9% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 3,703 | 4,687 | 0.79 | 36.7 | E | 33.0 | NA | 1.13 | D | -10% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 1,798 | 2,100 | 0.86 | 44.9 | E | 44.3 | NA | 1.18 | E | -1% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 466 | 2,250 | 0.21 | 8.5 | A | 12.1 | NA | 1.15 | B | 43% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 1,318 | 2,000 | 0.66 | 43.9 | E | 47.6 | NA | 1.20 | F | 8% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 3,254 | 4,700 | 0.69 | 25.3 | C | 25.7 | NA | 1.06 | C | 2% |
| 18 | WO302 | Weaving | 1,490 | 50 | 3 | 4,346 | 5,365 | 0.81 | 42.9 | E | 25.1 | NA | 1.37 | C | -42% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 2,264 | 4,500 | 0.50 | 26.6 | C | 22.9 | NA | 1.05 | C | 11% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 1,198 | 2,100 | 0.57 | 30.0 | D | 32.9 | NA | 1.12 | D | 10% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 882 | 2,100 | 0.42 | 22.1 | C | 25.4 | NA | 1.33 | C | 15% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 326 | 2,250 | 0.14 | 5.9 | A | 6.5 | NA | 1.08 | A | 11% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 1,024 | 2,100 | 0.49 | 22.8 | C | 21.1 | NA | 1.07 | C | -8% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,543 | 3,574 | 0.42 | 18.8 | B | 43.5 | NA | 1.42 | F | 131% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 2,308 | 3,606 | 0.64 | 28.8 | D | 78.0 | NA | 1.64 | F | 171% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 776 | 2,200 | 0.35 | 15.5 | B | 22.3 | NA | 1.15 | C | 44% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 1,092 | 2,200 | 0.50 | 21.8 | C | 22.5 | NA | 1.28 | C | 3% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 370 | 2,000 | 0.19 | 10.6 | A | 8.1 | NA | 1.06 | A | -23% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 1,176 | 2,200 | 0.53 | 23.5 | C | 57.7 | NA | 1.55 | F | 146% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 3,040 | NA | NA | 29.0 | C | 26.9 | NA | 1.30 | C | -7% |
| 31 | BA001 | Basic | 1,230 | 55 | 2 | 3,040 | 4,500 | 0.68 | 27.6 | D | 24.9 | NA | 1.09 | C | -10% |
| 32 | BO2BB | Basic | 1,230 | 50 | 2 | 3,918 | 4,400 | 0.89 | 39.2 | E | 32.7 | NA | 1.11 | D | -17% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 4,379 | NA | NA | 37.0 | E | 28.4 | NA | 1.05 | D | -23% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.72 | NA | 7.0 | n/a | 10.8 | NA | B | 55% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.50 | NA | 5.5 | n/a | 4.9 | NA | A | -12% |

*N102 & N103 outputed by Synchro 9

**MOE - 2016 PM Peak**

| | | Analysis Input | | | | HCM Results* | | | | VISSIM Results | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | Segment Code | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/mi/ln) | LOS | Density (pc/mi/ln) | Delay (s/veh) | TTI | LOS | Key MOE Difference |
| 1 | WO104 | Weaving | 1,590 | 55 | 2 | 2,578 | 3,683 | 0.70 | 27.1 | C | 17.7 | NA | 1.12 | B | -35% |
| 2 | WO105 | Weaving | 1,740 | 55 | 3 | 2,556 | 5,944 | 0.43 | 18.0 | B | 10.8 | NA | 1.06 | B | -40% |
| 3 | BO514 | Weaving | 770 | 50 | 1 | 282 | 2,200 | 0.13 | 5.6 | A | 5.1 | NA | 1.08 | A | -9% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,160 | 2,200 | 0.53 | 23.2 | C | 24.7 | NA | 1.14 | C | 6% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 2,408 | 4,600 | 0.52 | 20.1 | C | 22.1 | NA | 1.03 | C | 10% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.71 | NA | 16.2 | n/a | 12.5 | NA | B | -23% |
| 7 | WO911 | Weaving | 1,780 | 45 | 2 | 1,644 | 3,653 | 0.45 | 20.1 | C | 18.3 | NA | 1.11 | B | -9% |
| 8 | BO516 | Basic | 1,410 | 65 | 2 | 1,846 | 4,700 | 0.39 | 14.2 | B | 15.2 | NA | 1.03 | B | 7% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 1,189 | NA | NA | 21.5 | C | 14.3 | NA | 1.04 | B | -33% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 2,184 | 4,368 | 0.50 | 19.4 | B | 16.6 | NA | 1.05 | B | -15% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 2,566 | 6,415 | 0.40 | 15.0 | B | 14.6 | NA | 1.04 | B | -2% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 4,143 | 6,184 | 0.67 | 26.4 | D | 24.0 | NA | 1.07 | C | -9% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 3,163 | 4,721 | 0.67 | 30.2 | D | 26.1 | NA | 1.06 | C | -14% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 1,209 | 2,100 | 0.58 | 30.2 | D | 28.2 | NA | 1.12 | C | -7% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 420 | 2,250 | 0.19 | 7.6 | A | 10.8 | NA | 1.14 | A | 42% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 1,089 | 2,000 | 0.54 | 36.3 | E | 38.1 | NA | 1.18 | E | 5% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 2,758 | 4,700 | 0.59 | 21.2 | C | 21.6 | NA | 1.04 | C | 2% |
| 18 | WO302 | Weaving | 1,490 | 50 | 3 | 3,569 | 5,408 | 0.66 | 32.3 | D | 15.3 | NA | 1.20 | D | -53% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 1,768 | 4,500 | 0.39 | 16.1 | B | 17.6 | NA | 1.03 | B | 10% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 872 | 2,100 | 0.42 | 21.8 | C | 23.1 | NA | 1.09 | C | 6% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 697 | 2,100 | 0.33 | 17.4 | B | 18.3 | NA | 1.26 | C | 5% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 180 | 2,250 | 0.08 | 3.3 | A | 3.4 | NA | 1.06 | A | 4% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 867 | 2,100 | 0.41 | 19.3 | C | 17.8 | NA | 1.06 | B | -8% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,216 | 3,685 | 0.33 | 14.5 | B | 23.1 | NA | 1.13 | C | 59% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 1,846 | 3,550 | 0.52 | 22.5 | C | 28.2 | NA | 1.28 | D | 25% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 640 | 2,200 | 0.29 | 12.8 | B | 17.5 | NA | 1.10 | B | 37% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 810 | 2,200 | 0.37 | 16.2 | B | 15.7 | NA | 1.23 | B | -3% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 327 | 2,000 | 0.16 | 9.3 | A | 7.2 | NA | 1.05 | A | -23% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 890 | 2,200 | 0.40 | 17.8 | B | 23.1 | NA | 1.19 | C | 30% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 2,218 | NA | NA | 22.0 | C | 16.3 | NA | 1.16 | B | -26% |
| 31 | BA001 | Basic | 1,230 | 55 | 2 | 2,218 | 4,500 | 0.49 | 20.2 | C | 17.2 | NA | 1.05 | B | -15% |
| 32 | BO2BB | Basic | 1,230 | 50 | 2 | 3,186 | 4,400 | 0.72 | 31.9 | E | 25.4 | NA | 1.07 | D | -20% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 3,535 | NA | NA | 30.5 | D | 23.0 | NA | 1.04 | C | -25% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.56 | NA | 3.4 | n/a | 5.0 | NA | A | 50% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.41 | NA | 3.5 | n/a | 4.0 | NA | A | 11% |

*N102 & N103 outputed by Synchro 9

**MOE - 2020 PM Peak**

| | | Analysis Input | | | | HCM Results* | | | | VISSIM Results | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ID | Segment Code | Segment Type | Influential Area Length (ft) | Mainline FFS | Mainline # of Lanes | Flow Rate (pc/h) | Capacity (pc/h) | V/C Ratio | Density (pc/mi/ln) | LOS | Density (pc/mi/ln) | Delay (s/veh) | TTI | LOS | Key MOE Difference |
| 1 | WO104 | Weaving | 1,590 | 55 | 2 | 2,702 | 3,651 | 0.74 | 28.5 | D | 19.0 | NA | 1.11 | B | -33% |
| 2 | WO105 | Weaving | 1,740 | 55 | 3 | 2,702 | 5,874 | 0.46 | 19.1 | B | 11.8 | NA | 1.06 | B | -38% |
| 3 | BO514 | Weaving | 770 | 50 | 1 | 326 | 2,200 | 0.15 | 6.5 | A | 6.0 | NA | 1.08 | A | -7% |
| 4 | B1418 | Basic | 760 | 50 | 1 | 1,058 | 2,200 | 0.48 | 21.2 | C | 22.2 | NA | 1.13 | C | 5% |
| 5 | B1824 | Basic | 3,200 | 60 | 2 | 2,454 | 4,600 | 0.53 | 20.4 | C | 22.5 | NA | 1.03 | C | 10% |
| 6 | S5 | Signal | NA | NA | NA | NA | NA | 0.64 | NA | 13.0 | n/a | 10.9 | NA | B | -16% |
| 7 | WO911 | Weaving | 1,780 | 45 | 2 | 1,454 | 3,635 | 0.40 | 17.6 | B | 16.3 | NA | 1.11 | B | -7% |
| 8 | BO516 | Basic | 1,410 | 65 | 2 | 2,016 | 4,700 | 0.43 | 15.5 | B | 16.6 | NA | 1.04 | B | 7% |
| 9 | M16 | Merge | 1,500 | 65 | 2 | 2,312 | NA | NA | 25.5 | C | 18.8 | NA | 1.05 | B | -30% |
| 10 | W1621 | Weaving | 3,760 | 65 | 2 | 2,308 | 4,438 | 0.52 | 20.5 | C | 18.1 | NA | 1.05 | B | -12% |
| 11 | W2021 | Weaving | 2,780 | 65 | 3 | 2,690 | 6,405 | 0.42 | 15.7 | B | 15.7 | NA | 1.04 | B | 0% |
| 12 | W2219 | Weaving | 3,830 | 65 | 3 | 4,390 | 6,183 | 0.71 | 28.4 | C | 25.2 | NA | 1.07 | C | -11% |
| 13 | W2215 | Weaving | 4,820 | 65 | 2 | 3,220 | 4,687 | 0.69 | 30.8 | D | 26.7 | NA | 1.07 | C | -13% |
| 14 | B1918 | Basic | 1,730 | 40 | 1 | 1,351 | 2,100 | 0.64 | 33.8 | D | 31.7 | NA | 1.13 | D | -6% |
| 15 | B1512 | Basic | 530 | 55 | 1 | 350 | 2,250 | 0.16 | 6.4 | A | 9.1 | NA | 1.13 | A | 42% |
| 16 | B1209 | Basic | 250 | 30 | 1 | 981 | 2,000 | 0.49 | 32.7 | D | 33.9 | NA | 1.17 | A | 4% |
| 17 | B1503 | Basic | 1,240 | 65 | 2 | 2,882 | 4,700 | 0.61 | 22.2 | C | 22.7 | NA | 1.05 | C | 2% |
| 18 | WO302 | Weaving | 1,490 | 50 | 3 | 3,614 | 5,476 | 0.66 | 32.1 | D | 15.0 | NA | 1.19 | D | -53% |
| 19 | B2317 | Basic | 4,020 | 55 | 2 | 1,800 | 4,500 | 0.40 | 16.4 | B | 18.0 | NA | 1.03 | B | 10% |
| 20 | B1713 | Basic | 710 | 40 | 1 | 850 | 2,100 | 0.40 | 21.2 | C | 22.5 | NA | 1.09 | C | 6% |
| 21 | B1312 | Basic | 540 | 40 | 1 | 654 | 2,100 | 0.31 | 16.3 | B | 16.5 | NA | 1.24 | B | 1% |
| 22 | B1306 | Basic | 670 | 55 | 1 | 202 | 2,250 | 0.09 | 3.7 | A | 3.9 | NA | 1.06 | A | 4% |
| 23 | B1720 | Basic | 1,100 | 45 | 1 | 923 | 2,100 | 0.44 | 20.5 | C | 19.0 | NA | 1.06 | C | -7% |
| 24 | W1007 | Weaving | 2,030 | 45 | 2 | 1,025 | 3,661 | 0.28 | 12.1 | B | 19.2 | NA | 1.12 | B | 59% |
| 25 | W1008 | Weaving | 1,680 | 45 | 2 | 1,553 | 3,612 | 0.43 | 18.7 | B | 20.6 | NA | 1.22 | C | 10% |
| 26 | B0806 | Basic | 580 | 50 | 1 | 536 | 2,200 | 0.24 | 10.7 | B | 14.5 | NA | 1.09 | B | 36% |
| 27 | B0603 | Basic | 540 | 50 | 1 | 732 | 2,200 | 0.33 | 14.6 | B | 13.8 | NA | 1.21 | B | -6% |
| 28 | B0716 | Basic | 1,000 | 35 | 1 | 283 | 2,000 | 0.14 | 8.1 | A | 6.3 | NA | 1.05 | A | -22% |
| 29 | B0714 | Basic | 430 | 50 | 1 | 742 | 2,200 | 0.34 | 14.8 | B | 18.2 | NA | 1.15 | C | 23% |
| 30 | DAA | Diverge | 1,500 | 55 | 2 | 2,398 | NA | NA | 23.5 | C | 18.4 | NA | 1.19 | B | -22% |
| 31 | BA001 | Basic | 1,230 | 55 | 2 | 2,398 | 4,500 | 0.53 | 21.8 | C | 18.8 | NA | 1.05 | C | -14% |
| 32 | BO2BB | Basic | 1,230 | 50 | 2 | 3,288 | 4,400 | 0.75 | 32.9 | D | 26.3 | NA | 1.07 | D | -20% |
| 33 | MBB | Merge | 1,500 | 50 | 2 | 3,668 | NA | NA | 31.5 | D | 23.7 | NA | 1.04 | C | -25% |
| 34 | N102 | Stop | NA | NA | NA | NA | NA | 0.60 | NA | 3.8 | n/a | 3.9 | NA | A | 2% |
| 35 | N103 | Stop | NA | NA | NA | NA | NA | 0.44 | NA | 3.9 | n/a | 4.1 | NA | A | 6% |

*N102 & N103 outputed by Synchro 9