Case1:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Volume** | 200 | 500 | 100 | 200 | 500 | 120 | 75 | 650 | 60 | 100 | 850 | 100 |
| **No. of lanes** | 1 | 3 | 1 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 2 | 1 |
| **Shared lanes** |  |  |  |  |  |  |  |  |  |  |  |  |

Number of stages: 2

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Final Ring-Barrier Structure** | | | |
| **Ring1** |  | 2 |  | 4 |
| **Ring2** |  | 6 |  | 8 |

Saturation Flow Rate

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 756 | 4590 | 1530 | 770 | 4590 | 1530 | 555 | 3060 | 1530 | 695 | 3060 | 1530 |

Capacity

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 112 | 1836 | 612 | 112 | 1836 | 612 | 104 | 1530 | 765 | 107 | 1530 | 765 |

Report

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Phase** | 0 | 4 | 4 | 0 | 8 | 8 | 0 | 2 | 2 | 0 | 6 | 6 |
| **CalcSplit** | 0 | 36 | 36 | 0 | 36 | 36 | 0 | 44 | 44 | 0 | 44 | 44 |
| **Yellow** | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 | 3.2 |
| **AllRed** | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.2 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| **DispGreen** | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 29.9 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 | 38.3 |
| **EffectiveGren** | 32 | 32 | 32 | 32 | 32 | 32 | 40 | 40 | 40 | 40 | 40 | 40 |
| **Green Ratio (g/c)** | 0.00 | 0.45 | 0.45 | 0.00 | 0.45 | 0.45 | 0.00 | 0.55 | 0.55 | 0.00 | 0.55 | 0.55 |
| **V/C** | 1.79 | 0.27 | 0.15 | 1.79 | 0.27 | 0.18 | 0.72 | 0.42 | 0.07 | 0.93 | 0.56 | 0.12 |
| **Cap (vph)** | 112 | 1836 | 612 | 112 | 1836 | 612 | 104 | 1530 | 765 | 107 | 1530 | 765 |
| **UnifDelay (s)** | 24 | 16.14 | 15.3 | 24 | 16.14 | 15.49 | 15.63 | 12.66 | 10.37 | 18.69 | 13.89 | 10.63 |
| **IncDelay (s)** | 388.8 | 0.36 | 0.51 | 388.8 | 0.36 | 0.63 | 34.86 | 0.85 | 0.18 | 69.62 | 1.49 | 0.31 |
| **ControlDelay (s)** | 412.8 | 16.5 | 15.8 | 412.8 | 16.5 | 16.1 | 50.5 | 13.5 | 10.6 | 88.3 | 15.4 | 10.9 |
| **LOS** | F | B | B | F | B | B | D | B | B | F | B | B |
| **Approach Delay (s)** | 115.5 |  |  | 113.5 |  |  | 16.8 |  |  | 21.9 |  |  |
| **Approach LOS** | F |  |  | F |  |  | B |  |  | C |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Delay (s)** | **64.7** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection LOS** | **E** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection V/C** | **0.39** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Status** | **Under Capacity** |  |  |  |  |  |  |  |  |  |  |  |

Signal Allocation Display

Cycle Length:80s

