Case2:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Volume** | 400 | 1000 | 100 | 400 | 1000 | 120 | 500 | 1000 | 100 | 100 | 850 | 500 |
| **No. of lanes** | 1 | 4 | 1 | 1 | 4 | 1 | 2 | 2 | 1 | 1 | 2 | 2 |
| **Shared lanes** |  |  |  |  |  |  |  |  |  |  |  |  |

Number of stages: 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Final Ring-Barrier Structure** | | | |
| **Ring1** | 1 | 2 | 3 | 4 |
| **Ring2** | 5 | 6 | 7 | 8 |

Saturation Flow Rate

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 1530 | 6120 | 1530 | 1530 | 6120 | 1530 | 3060 | 3060 | 1530 | 3060 | 3060 | 1530 |

Capacity

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 388 | 1306 | 326 | 388 | 1306 | 326 | 857 | 938 | 469 | 857 | 938 | 469 |

Report

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Phase** | 7 | 4 | 4 | 3 | 8 | 8 | 5 | 2 | 2 | 1 | 6 | 6 |
| **CalcSplit** | 39 | 36 | 36 | 39 | 36 | 36 | 25 | 50 | 50 | 25 | 50 | 50 |
| **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** | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 3 | 3 |
| **DispGreen** | 35.1 | 32.1 | 32.1 | 35.1 | 32.1 | 32.1 | 18.8 | 43.8 | 43.8 | 18.8 | 43.8 | 43.8 |
| **EffectiveGren** | 35 | 32 | 32 | 35 | 32 | 32 | 21 | 46 | 46 | 21 | 46 | 46 |
| **Green Ratio (g/c)** | 0.26 | 0.24 | 0.24 | 0.26 | 0.24 | 0.24 | 0.17 | 0.33 | 0.33 | 0.17 | 0.33 | 0.33 |
| **V/C** | 1.03 | 0.77 | 0.28 | 1.03 | 0.77 | 0.33 | 0.58 | 1.07 | 0.19 | 0.58 | 0.91 | 0.19 |
| **Cap (vph)** | 388 | 1306 | 326 | 388 | 1306 | 326 | 857 | 938 | 469 | 857 | 938 | 469 |
| **UnifDelay (s)** | 57.5 | 55.54 | 49.32 | 57.5 | 55.54 | 49.94 | 60.37 | 52 | 38.31 | 60.37 | 50.01 | 38.31 |
| **IncDelay (s)** | 53.61 | 4.42 | 2.09 | 53.61 | 4.42 | 2.71 | 2.86 | 49.99 | 0.91 | 2.86 | 14.33 | 0.91 |
| **ControlDelay (s)** | 111.1 | 60.0 | 51.4 | 111.1 | 60.0 | 52.7 | 63.2 | 102.0 | 39.2 | 63.2 | 64.3 | 39.2 |
| **LOS** | F | E | D | F | E | D | E | F | D | E | E | D |
| **Approach Delay (s)** | 73.0 |  |  | 72.9 |  |  | 86.0 |  |  | 62.2 |  |  |
| **Approach LOS** | E |  |  | E |  |  | F |  |  | E |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Delay (s)** | **74.0** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection LOS** | **E** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection V/C** | **0.95** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Status** | **At Capacity** |  |  |  |  |  |  |  |  |  |  |  |

Signal Allocation Display

Cycle Length:150s

