Case3:

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Volume** | 400 | 2000 | 0 | 0 | 2000 | 120 | 0 | 0 | 0 | 100 | 0 | 400 |
| **No. of lanes** | 1 | 4 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| **Shared lanes** |  |  |  |  |  |  |  |  |  |  |  |  |

Number of stages: 3(3-Leg Intersection)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Final Ring-Barrier Structure** | | | |
| **Ring1** |  | 2 |  | 4 |
| **Ring2** | 5 | 6 |  |  |

Saturation Flow Rate

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 1530 | 6120 | 0 | 0 | 6120 | 1530 | 0 | 0 | 0 | 3060 | 0 | 1530 |

Capacity

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Saturation Flow Rate** | 230 | 2448 | 0 | 0 | 1454 | 363 | 0 | 0 | 0 | 6120 | 3060 | 765 |

Report

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Movement** | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR |
| **Phase** | 5 | 2 | 2 | 0 | 6 | 6 | 0 | 0 | 0 | 4 | 4 | 4 |
| **CalcSplit** | 13 | 36 | 36 | 0 | 23 | 23 | 0 | 0 | 0 | 44 | 44 | 44 |
| **Yellow** | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 | 0 | 0 | 0 | 3.2 | 3.2 | 3.2 |
| **AllRed** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 1.6 | 1.6 |
| **DispGreen** | 9.1 | 32.1 | 32.1 | 0 | 19.1 | 19.1 | 0 | 0 | 0 | 39.2 | 39.2 | 39.2 |
| **EffectiveGren** | 9 | 32 | 32 | 0 | 19 | 19 | 0 | 0 | 0 | 40 | 40 | 40 |
| **Green Ratio (g/c)** | 0.16 | 0.45 | 0.45 | 0.00 | 0.29 | 0.29 | 0.00 | 0.00 | 0.00 | 0.55 | 0.55 | 0.55 |
| **V/C** | 1.74 | 0.82 | 0.00 | 0 | 1.38 | 0.30 | 0 | 0 | 0.00 | 0.07 | 0 | 0.12 |
| **Cap (vph)** | 230 | 2448 | 0 | 0 | 1454 | 363 | 0 | 0 | 0 | 6120 | 3060 | 765 |
| **UnifDelay (s)** | 35.5 | 21.43 | 0 | 0 | 30.5 | 25.02 | 0 | 0 | 0 | 10.36 | 0 | 10.63 |
| **IncDelay (s)** | 350.48 | 3.22 | 0 | 0 | 175.38 | 2.09 | 0 | 0 | 0 | 0.02 | 0 | 0.31 |
| **ControlDelay (s)** | 386.0 | 24.7 | 0.0 | 0.0 | 205.9 | 27.1 | 0.0 | 0.0 | 0.0 | 10.4 | 0.0 | 10.9 |
| **LOS** | F | C | N/A | N/A | F | C | N/A | N/A | N/A | B | N/A | B |
| **Approach Delay (s)** | 84.9 |  |  | 195.8 |  |  | 0.0 |  |  | 10.5 |  |  |
| **Approach LOS** | F |  |  | F |  |  | N/A |  |  | B |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Delay (s)** | **124.8** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection LOS** | **F** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection V/C** | **0.82** |  |  |  |  |  |  |  |  |  |  |  |
| **Intersection Status** | **Under Capacity** |  |  |  |  |  |  |  |  |  |  |  |

Signal Allocation Display

Cycle Length:80s

