**Minor Street Analysis Parameters – Minor Leg Lane Configurations**

**and Right Turn Reductions**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **1** |  | **IF** | **R > 0.7A** | **THEN** | **Reduce R by 60%** |
| **0.7A > R > 0.35A** | **Reduce R by 40%** |
| **R < 0.35A** | **Reduce R by 20%** |
| **2** |  | **IF** | **R > 3T** | **THEN** | **Reduce R by 60%** |
| **3T > R > T/3** | **Reduce R by 40%** |
| **R < T/3** | **Reduce R by 20%** |
| **3** |  | **Any configuration with an exclusive right turn lane (usually > to 600 ft. long)** | **Reduce R by 75%****In all classes** |
| **4** |  | **IF** | **R > (T + L)** | **THEN** | **Reduce R by 65%** |
| **L > (T + R)** | **Use situation 2.** |
| **L≈ T ≈ R (+ 10 veh)** | **Reduce R by 40%** |
| **L ≈ T > 3R** | **Reduce R by 20%** |
| **R ≈ T > 3L** | **Reduce R by 50%** |
| **All other classes** | **Reduce R by 30%** |
| **5** |  | **IF** | **R > T** | **THEN** | **Reduce R by 75%** |
| **T > R > T/2** | **Reduce R by 50%** |
| **T/2 > R > T/4** | **Reduce R by 30%** |
| **R < T/4** | **Reduce R by 15%** |

 **Legend:**

 **L = number of left-turning vehicles R = number of right-turning vehicles**

 **T = number of through vehicles A = (L + T + R)**