

Multi-Way Stop Control Warrant Analysis

Urban Local / Collector Streets

INTERSECTION

Stonehaven Dr @ Sawyer Way/Summitview

Date of Count used: 16-Sep-2015 Date of Warrant: 21-Sep-2015

Length of Count:

| |
|---|
| 8 |
|---|

 No. of Legs :

| |
|---|
| 4 |
|---|

TSM-5199202

WARRANT CRITERIA:

a) **Volume:**

Total vehicle volume for all approaches exceeds an AVERAGE of 200 vehicles per hour over heaviest 8-hour period (between 7am and 6pm), **AND**
 Total minor street volume (including pedestrians crossing major) exceeds 80/hr over same 8-hr period.

OR

b) **Collision:**

Where an average of 3 or more collisions considered preventable by all-way stop controls (i.e. right angle) has occurred during 3 yr period.

OR

c) **Visibility:**

Where the sight distance from a point 2.7m from the edge of the major street is less than
 55m to the left
 60m from the right

Volume Data:

| Total Volume all approaches | | |
|--------------------------------|-------------|------|
| Hour 1 | 1536 | 100% |
| Hour 2 | 1304 | 100% |
| Hour 3 | 915 | 100% |
| Hour 4 | 801 | 100% |
| Hour 5 | 793 | 100% |
| Hour 6 | 1300 | 100% |
| Hour 7 | 1510 | 100% |
| Hour 8 | 1687 | 100% |
| Totals | 9846 | |
| Average | 1231 | |
| %age met | 100% | |

| Minor St Veh Vol | Minor St Ped Vol | Total Minor St Vol | |
|---------------------|---------------------|-----------------------|------|
| 121 | 3 | 124 | 100% |
| 138 | 0 | 138 | 100% |
| 80 | 0 | 80 | 100% |
| 71 | 0 | 71 | 89% |
| 52 | 0 | 52 | 65% |
| 88 | 1 | 89 | 100% |
| 72 | 3 | 75 | 94% |
| 84 | 4 | 88 | 100% |
| 706 | 11 | 717 | |
| Average | 90 | | |
| %age met | 94% | | |

Volume Data: Percent Volume Criteria Met
Directional Split: (Four-Legged 65/35) / Criteria Met (y/n) :
 (Three-Legged 75/25) / Criteria Met (y/n) :

| | |
|--------|-----|
| 94% | NO |
| 93 / 7 | NO |
| | N/A |

Collision Data: Total number of right angle collisions in past 3 years

| | |
|---|----|
| 1 | NO |
|---|----|

Visibility: Is visibility restricted at this intersection? (yes/no)

| | |
|----|----|
| no | NO |
|----|----|

Multi-Way Stop Control WARRANTS:

NO

Comments: