

APPENDIX B
Traffic Management Process Scoresheet

A project must score 30 or more points to be considered eligible for further inclusion. If multiple projects are under consideration, projects with higher point totals will take priority.

The following categories will be totaled to determine final scoring:

1. **Average Daily Traffic Volume** – max 20 points
Average Daily Traffic (ADT) divided by 100

Example:

- 1900 vehicles per day (vpd) drive on the street.

$$\frac{1900 \text{ vpd}}{100} = 19 \text{ points}$$

2. **Speed** – max 20 points
The difference of the 85th Percentile Speed and the posted Speed Limit multiplied by 2

Example:

- 85th Percentile Speed is 41 mph
- Speed Limit is 30 mph

$$(41 \text{ mph} - 30 \text{ mph}) * 2 = 22 \text{ points}$$

3. **Crash Record** – max 30 points
Crash point total over the last five years divided by total traffic volume per million miles travelled per year

- Crash with property damage = 1 point
- Crash with injuries = 2 points
- Crash with fatality = 5 points
- 0.1 miles will be used as the length value for an intersection

Example #1

- 1 crash with property damage and 1 crash with a fatality in last 5 years = 6 crash points
- ADT = 1900 vpd
- Length of street = 0.25 miles

$$\frac{6 \text{ crash points}}{1900 \text{ vpd} * 365 \text{ days}} * \frac{1,000,000}{0.25 \text{ miles}} = 34.6 \text{ points (use 30 as the maximum)}$$

Example #2

- 1 crash with property damage and 1 crash with injuries in last 5 years = 3 crash points
- ADT = 5000 vpd for all legs of intersection combined

$$\frac{5 \text{ crash points}}{5000 \text{ vpd} * 365 \text{ days}} * \frac{1,000,000}{0.1 \text{ miles}} = 27.4 \text{ points}$$

4. **Geometry**

5 points for inadequate sight distances at driveways or intersections based on posted speed limits

<u>Speed Limit</u>	<u>Stopping Sight Distance</u>
15 mph	60 feet
20 mph	90 feet
25 mph	120 feet
30 mph	160 feet
35 mph	200 feet
40 mph	250 feet
45 mph	300 feet
50 mph	350 feet

5. **Elementary and Middle Schools** – max 10 points

5 points for each public or private elementary or middle school (K-8) on the subject street.

6. **Other Pedestrian Areas** – max 10 points

5 points for each individual pedestrian oriented facility, such as elderly housing or a City park on the street. 5 points for pedestrian deficiencies, such as unmarked crosswalks and no sidewalks.

7. **School Walk Route / Designated School Bus Stops**

10 points for a subject street designated as a Recommended School Walk Route or Designated School Bus Stop.

8. **Designated Bike Route**

5 points for a subject street designated as a bicycle route.

9. **Scheduled Road Reconstruction**

To take advantage of a pending street reconstruction project, a traffic calming project planned for this street may be moved to the top of the priority ranking.