



# CITY OF EAST GRAND RAPIDS

750 LAKESIDE DRIVE SE-EAST GRAND RAPIDS, MICHIGAN 49506

## **Policy and Guidelines for the Use of Radar Speed Feedback Signs**

### A. Purpose & Objective:

Radar speed feedback signs are installed to provide a real-time display of a driver's vehicular speed at a particular location where speeding has been documented to be a problem. When used in conjunction with a regulatory speed limit sign (R2-1), drivers receive immediate confirmation of their actual speed in comparison to the legal speed limit static signs. When the RSFS are activated, the display format shall not include animation, rapid flashing, or other dynamic elements as stated in Section 2A.07 *Retroreflectivity and Illumination* of the Michigan Manual on Uniform Traffic Control Devices (MMUTCD), with additional design parameters defined in Section 2B.13.19/20 of the MMUTCD. RSFS are typically used at locations where a speed limit transition occurs or in an area where driving the appropriate speed for conditions is particularly critical, such as around school zones. Because law enforcement agencies cannot be expected to constantly monitor speeds in a particular location, the RSFS serve to supplement regular enforcement of speed limits alerting drivers to specific driving behavior.

RSFS are allowed under, and guidance is provided for their use in, Part 2 of the MMUTCD.

### B. Conditions for Use/Placement:

RSFS will be considered for use where the following conditions exist:

1. On PA 51 designated Major City streets.
2. The 85<sup>th</sup> percentile speed, as determined by 4 speed studies over a 1-year period, exceeds the posted speed limit by at least 5 MPH during the time period of concern (e.g. the ½ hour before to ½ hour after a school arrival/dismissal time or other peak traffic period).

Installation may be considered for locations where crash data over a minimum span of 3 years can be consistently and clearly linked to excessive speed.

### C. Technical Requirements:

1. The installation shall not interfere with the visibility and general effectiveness of any other signs in the area.
2. Installation shall be located adjacent to natural features or lot boundary lines as such to limit visibility from adjacent properties to the greatest extent possible in the City right-of-way.
3. All elements of the RSFS shall conform to the guidance and standards as outlined in the latest edition of the MMUTCD.

### D. Removal of Signs:

RSFS may be moved or removed when the following conditions exist:

1. The 85<sup>th</sup> percentile speed, as determined by 4 speed studies over a 1-year period, is within the posted speed limit by at least 5 MPH during the time period of concern (e.g. the ½ hour before to ½ hour after a school arrival/dismissal time or other peak traffic period).
2. Subject to functionality of the RSFS and budget constraints.
3. Subject to ongoing approval and design by the MMUTCD.

Effective Date Approved by the City Commission: October 1, 2018