



City of Farmers Branch
Policy Statement
for
Traffic Signal Warrant Study
Petition

Application Process

This program addresses those desiring to install Traffic Signals at intersections. A traffic signal installed at the right location can both improve traffic flow and reduce the number and severity of collisions. However, a traffic signal placed unnecessarily can be a source of danger and annoyance for pedestrians and drivers alike. The proper use of traffic signals is governed by state and federal regulations. An application may be submitted by a neighborhood association, citizen group, or individual citizen or business owner. The applicant is then established as the *Citizen Project Coordinator*, whose responsibilities include:

- i. Contact point for City staff for the duration of the project
- ii. Assist in communicating updates to impacted residents
- iii. Responsible for collecting any required petitions

A Traffic Warrant Study is required to determine whether the installation of a traffic control signal is justified at a particular location. Upon receipt of an application, the City Engineer or Contract Engineer will make a preliminary site visit and initiate the study. Equipment required for the said study is typically placed in front of the Citizen Project Coordinator’s home or place of business and within the intersection being evaluated. If requested by a neighborhood association or citizen group, we may contact the applicant to make necessary arrangements. Note that these studies can take some time and cannot be performed when schools are not in session.

The Texas Manual for Uniform Traffic Control Devices governs the application and installation of traffic signals. The Traffic Warrant Study evaluates nine different warrants. A signal shall not be installed unless one or more of the factors are met; however, the satisfaction of a traffic signal warrant or warrants shall not in itself require the installation of a traffic control signal. The engineering study and judgment should indicate that installing the traffic control signal will improve the overall safety and/or operation of the intersection. The nine warrants are:

- 1. Eight-Hour Vehicular Volume
- 2. Four-Hour Vehicular Volume
- 3. Peak Hour
- 4. Pedestrian Volume
- 5. School Crossing
- 6. Coordinated Signal System



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- 7. Crash Experience
- 8. Roadway Network
- 9. Intersection Near a Grade Crossing

Should it be determined that the location is not appropriate for a Traffic Signal or that the concerns can be addressed in some other form, the applicant will be informed of the reason for ineligibility determination. It should be noted that any application may not be installed on roadway segments deemed critical to emergency response by the Farmers Branch Fire Department or may create a safety issue.

Once it is determined that the project is eligible for a Traffic Signal, a petition will be required for impacted residents and businesses. City staff will provide the petition to the Citizen Project Coordinator and a summary report for distribution with the petition. The summary report includes a summary of the traffic signal warrant study and a mockup of the signal at the proposed intersection. The petition should meet the following guidelines for project installation.

- i. 80% of impacted residents and businesses on the two streets of installation shall support by petition for the proposed improvement.
- ii. 60% of impacted neighboring streets shall support the proposed improvement.

When the qualified petition is received, the project will be reviewed by City staff for approval, and the Public Works Director will plan for the installation of the recommendation once project approval and funding approval (Defined in Attachment “A”) has been received.

Attachment “A”

Basic Warrant Study	\$4,000 - \$6,000
Additional Studies and Engineering	\$45,000 - \$65,000
Signal Installation	\$300,000 Plus
Signalized Intersection Removal	\$50,000 - \$80,000