TRAFFIC SIGNAL WARRANT ANALYSES
KENSINGTON AVENUE AND POULTNEY AVENUE
JEFFERSON AVENUE AND DODGE STREET
SOUTH PARK AVENUE AND DOWNING STREET

As part of a continued effort to increase the safety and efficiency of the City of Buffalo street network, Watts Engineers performed various traffic signal warrant analyses for the Traffic Department. Tasks include manual traffic counts, reviewing parking regulations, traffic conditions, intersection geometry, and signs and pavement markings, and analyzing accidents.

Owner:
City of Buffalo Department of Public Works, Parks and Streets

Location:
City of Buffalo, Erie County

Completion Date:
2001

Services:
- *Traffic Counting*
- *Accident Analysis*

The need for a traffic signal at each of the intersections was investigated using the warrants specified in Part 271 of the Manual of Uniform Traffic Control Devices. These warrants outline the minimum conditions under which a traffic signal may be justified. In addition to satisfying a warrant, a comprehensive investigation of prevailing traffic conditions, physical characteristics, and expected traffic conditions was also used to determine the need for a traffic signal.

Typical recommendations for roadway improvements have included additional or new signage, increased pavement markings, and enforcement of posted speed limits and parking regulations. Recommendations been made in accordance with the City of Buffalo, Department of Public Works Standard Specifications, the New York State Department of Transportation (NYSDOT) Highway Design Manual, the American Association of State Highway and Transportation Officials (AASHTO) Policy on Geometric Design of Highways and Streets, and the Manual of Uniform Traffic Control Devices.