

Miovision Device Installation and Configuration, Automated Traffic and Turning Movement Collection, and SCAT Evaluation and Interpretation

CLIENTS AND PRIME CONSULTANTS:

Illinois DOT / PTB 178 Item 3 and PTB 170 Item 6
Parsons Engineering / Douglas Brazelton, P. E

Lake County Division of Transportation
Parsons Engineering / Douglas Brazelton, P.E.

University of Chicago / Traffic Impact Study and Safety Analysis
Sam Schwartz Engineering / Peter Wojtkiewicz, P.E., PTOE

PROJECT PURPOSE:

- Assess Existing Traffic Patterns and Turning Movements
- Identify Traffic Impacts of Existing Signals Timings
- Provide Counts and Classifications to Establish New Timings
- Provide Data for Signal Coordination and Timing (SCAT) Changes

DAMA Consultants, Inc., has installed, configured, and interpreted traffic counts and turning movement counts using Miovision camera installations to support signalization and intersection projects in the City of Chicago and Suburban areas of IDOT District 1. DAMA also collected traffic data for a commuting impacts study for the University of Chicago. Project sites have included the Woodlawn, Hyde Park, Washington Park, and Englewood neighborhood; 6 miles of Lewis Ave. in Lake County; and the municipalities of Vernon Hills, Long Grove, Buffalo Grove, Elmhurst, Villa Park, Addison, and Lockport. DAMA developed intersection diagrams, geometric data, traffic counts, truck counts, and pedestrian counts and assessed turning movements and the impacts of existing signals. These findings were used to configure signal coordination and timing (SCAT) projects, identify intersection improvements, and evaluate the impacts of potential changes to transit routes and employee facilities.

