

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

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PROJECT PURPOSE:

- Assess Existing Trafc Paterns 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 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 municipalites 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.

IMAGE SOURCES: Miovision. Miovision Web Site. Retrieved 17 February 2022 from www.miovision.com; Google, Inc. Google Maps Web Site. Retrieved 28 October 2015 from maps.google.com; Illinois Department of Transportaton: ITS Program Office. TravelMidwest.com Web Site. Retrieved 29 April 2016 from www.travelmidwest.com; U.S. Census Bureau. "TIGER/Line 2010: Countes (and Equivalent)" and "TIGER/Line 2014: Places". U.S. Census Bureau TIGER/Line Shapefles Web Site. Retrieved 10 November 2015 from www.census.gov; Illinois Department of Transportaton. "HWY2014: Highways." Illinois Technology Transfer Center Web Site. Retrieved 20 December 2015 from http://apps.dot.Illinois.gov/gist2/





