Automated Traffic Enforcement

Red Light Running Experience in Illinois Municipalities

Daryle Drew, Tom Gallenbach and Roland Tomsons
Illinois Department of Transportation
Automated Traffic Enforcement

- Public Act 94-0795
- Department Developed a RLR Policy in early 2007
  - Safety Engineering Policy Memorandum
  - SAFETY 2-07

http://www.dot.il.gov/illinoisSHSP/atles.html
Illinois Strategic Highway Safety Plan

Automated Traffic Law Enforcement Systems

Attachments

A. Public Act 084-0735
B. Public Act 084-0771
C. Example of Indemnification Ordinances
D. Red Light Sign Spaces
E. RR Crossing Sign Spaces
F. Red Light Running Process Flow

View Entire Policy (1.8 mb)

Questions can be directed to:

Priscilla Tobias
State Safety Engineer
(217) 782-3583
Priscilla.Tobias@illinois.gov
Public Act 094-0795

HB4835 Enrolled

AN ACT concerning transportation.

Be it enacted by the People of the State of Illinois, represented in the General Assembly:

Section 1. The Illinois Vehicle Code is amended by adding Sections 6-306.5, 11-208, 11-208.3, 11-208.6, and 11-612.5 as follows:

(625 ILCS 5/1-105.2 new)

Sec. 1-105.2. Automated traffic law enforcement. The Department of Transportation may establish an automated traffic law enforcement system that produces a recorded image of a motor vehicle entering an intersection against a red signal indication and is designed to obtain a clear recorded image of the vehicle and the vehicle’s license plate. The installation of RLR Camera Systems may be established only in the counties of Cook, DuPage, Kane, Lake, Madison, McHenry, St. Clair and Will, and in municipalities located within those counties.

(625 ILCS 5/6-306.5) (from Ch. 95)

Sec. 6-306.5. Failure to pay fine, penalty, or fee. Failure to pay any fine or penalty due and owing as a result of violation of any traffic regulation of a municipality or any fine or penalty due and owing as a result of a violation of a municipality’s vehicle parking, or automated compliance regulations established by Section 11-208.3 of this Code, or (2) failure to register a motor vehicle with a taxing authority under this Code or the rules of the Department of Transportation.

INTRODUCTION

Public Act 94-0795 (See Attachment A), which was signed on May 22, 2006, and took effect upon signature of the Governor, provides that a governmental agency in a municipality or county may establish an automated traffic law enforcement system that produces a recorded image of a motor vehicle entering an intersection against a red signal indication and is designed to obtain a clear recorded image of the vehicle and the vehicle’s license plate. The installation of RLR Camera Systems may be established only in the counties of Cook, DuPage, Kane, Lake, Madison, McHenry, St. Clair and Will, and in municipalities located within those counties.

Public Act 94-0771 (See Attachment B), which was signed on May 16, 2006, and became effective on January 1, 2007, allows local agencies to work with the Illinois Commerce Commission (ICC), the Illinois Department of Transportation (IDOT), and local law enforcement officials, to establish an automated RGC enforcement system (photo or video enforcement system) at highway railroad grade crossings designated by local agency ordinance. The system shall produce a clear recorded image of the vehicle, driver, and vehicle registration plate. The installation of the automated RGC enforcement systems is not restricted to specific counties or municipalities.

This document has been prepared by IDOT to assist local jurisdictions in the procedures required for the installation of automated traffic law enforcement systems which shall encompass RLR Camera Systems by IDOT Permit at signalized intersections that include State marked and
Lake, McHenry, Kane, DuPage, Cook, and Will Counties in Illinois Approved for Automated Red Light Running Enforcement.

Madison and St. Clair Counties.
Red Light Running Cameras

- RLR Policy Required an IDOT Permit
  - Main Components:
    1. Justification Report
    2. Installation Submittal
    3. Permit/Bond
    4. Follow-up Evaluation
1. Justification Report
   - Identify Proposed Location(s)
   - Crash data with Collision Diagrams
   - Jurisdiction
Identify Proposed Location(s)
Justification Report

Crash Data with Collision Diagrams
Jurisdiction

Roadway Jurisdiction
- State
- County
- Municipality
- Township
Red Light Running Cameras

1. Justification Report Continued

- Field Photos
- Supplemental Data
  - RLR Citation Data
  - Video Surveillance Data
  - Letters from Officials
2. Installation Submittal

- Detailed Plans
- Electric Utility Documentation
- Indemnification Resolution and Local Ordinance
CUSTOMER WORK AGREEMENT

CUSTOMER WORK AGREEMENT

CUSTOMER: (Name of Customer)

COMPANY: (Name of Company)

AGREED TO: (Signature)

DATE: 07/01/2009

DESCRIPTION OF WORK:

The work to be performed under this agreement is described below:

1. (Description of Work 1)
2. (Description of Work 2)
3. (Description of Work 3)

CONDITIONS:

1. Payment terms:
   - (Details of payment terms)
2. Liability:
   - (Details of liability in case of damage or loss)

TOTAL AMOUNT DUE:

$ (Amount)

DATE OF COMPLETION:

07/31/2009

SIGNATURE:

(Company)

AGREEMENT:

Company agrees to perform the work described above in accordance with the terms and conditions set forth in this agreement.

Customer agrees to pay the amount due at the time of completion of the work as agreed upon in this agreement.

This agreement is subject to the approval of the appropriate authorities.

FOR THE COMPANY:

(Company Name)

FOR APPLICANT:

(Applicant Name)

Signature:

(Company)

Position:

(Applicant Position)

Address:

(Applicant Address)

Phone:

(Applicant Phone)

Email:

(Applicant Email)

Date:

(Applicant Date)

(Additional information as required by the agreement)
INDEMNIFICATION & ORDINANCE

ORDINANCE NO. 08-935

SECTION 1. Title. This Ordinance shall be known as the "Automated Traffic Law Enforcement Ordinance of the City of _________."

SECTION 2. Purpose. The purpose of this Ordinance is to provide for the installation and use of automated traffic enforcement systems within the City of _________.

SECTION 3. Implementation. The __________ Department of Transportation shall be responsible for the implementation and operation of the automated traffic enforcement systems.

SECTION 4. Enforcement. Any violation of this Ordinance shall be enforceable in the manner provided by law.

SECTION 5. Payment. Violators shall be required to pay the appropriate penalty for any violation.

SECTION 6. Appeal. Violators shall have the right to appeal any violation as provided by law.

SECTION 7. EFFECTIVE DATE: This Ordinance shall take effect upon its adoption.

RESOLUTION ADOPTING THE STATE OF ILLINOIS PERMITS FOR PHOTO ENFORCEMENT EQUIPMENT ATTACHED TO SIGN FACILITIES

WHEREAS, the __________ Department of Transportation has determined that the installation of photo enforcement equipment is in the public interest and in the interest of improving the safety of the traveling public;

WHEREAS, pursuant to State Engineer Policy Memorandum 2007-1107, the __________ Department of Transportation has obtained a permit for the installation of photo enforcement equipment in 2007 facilities provided that the DOT has obtained a resolution from the Town, Village, City of _________.

NOW, THEREFORE, BE IT RESOLVED, by the Council of the Town, Village, City of _________.

RESOLVED, That the Council of the Town, Village, City of _________.

BE IT FURTHER RESOLVED, that the __________ Department of Transportation is hereby authorized and directed to install, maintain, operate and enforce the photo enforcement equipment as authorized by the State of Illinois. (Signed) __________, __________, __________.

ATTEST

__________________________
City Clerk

__ __ __ __ __ __
MAYOR

__________________________
City Clerk

__ __ __ __ __ __
MAYOR
Red Light Running Cameras

3. Permit/Bond Submittal

- Highway Permit & Bond Forms and Traffic Control Request Form BT-725
- Plans and Specifications
- Justification Report and Installation Submittal Documentation on CDROM
Red Light Running Cameras

4. Follow-up Evaluation

- After First Year and Every 3 Years Thereafter
- Most Installations Active <2 Years
- FHWA Study based on MD & CA Data

http://www.tfhrc.gov/safety/pubs/05048
GENERAL SUBMITTAL GUIDELINES
FOR
RED LIGHT RUNNING
CAMERA ENFORCEMENT SYSTEMS
BY PERMIT

RED LIGHT
PHOTO
ENFORCED

April 2008
# RLR INSTALLATION SUBMITTAL CHECKLIST

<table>
<thead>
<tr>
<th>Reference Number</th>
<th>Date:</th>
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<tbody>
<tr>
<td>Location</td>
<td>Firm:</td>
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<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
<th>Description</th>
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<tbody>
<tr>
<td></td>
<td></td>
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<td>Justification Report Approved</td>
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<td>Plans checked by the Designer for compliance with District guidelines</td>
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<td>Special Provisions</td>
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<td>Previous review comments, disposition of those comments and marked-up plans submitted</td>
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<td>Existing Base Plans Field Verified</td>
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<td>Wattage Chart and Power Supply Contact Updated</td>
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<td>RLR Controller Location has been field checked for safety and accessibility by maintenance personnel</td>
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<td>Is proposed work compatible with existing Control Equipment?</td>
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<td>RLR sign locations and sizes indicated</td>
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<td>Conduit sizes been calculated and meet minimum sizes</td>
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<td>Right-of-Way/Easements Verified &amp; Shown</td>
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<td>All Setback and ADA Requirements met</td>
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<td>Summary of Quantities included</td>
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<td>CornEd Documents - Signed</td>
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<td>Electrical Power Supply Shown</td>
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<td>RLR equipment grounding shown</td>
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<td>Current District 1 Traffic Signal Design Detail Sheets submitted</td>
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<td>Signed Commitment letter for signal upgrades provided</td>
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<td>Concurrence letter from local agency having jurisdiction – if necessary</td>
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<td>Letter of notification to adjacent communities – if necessary</td>
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<td>Public Information Campaign details</td>
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<td>Indemnification Resolution as outlined in the RLR Policy</td>
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<td>Local Ordinance for RLR Enforcement as outlined in the RLR Policy</td>
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</tbody>
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Roadway Construction

Relocate RLR Equipment

Remove RLR Equipment

Deactivate RLR until Signal Work is Complete

To protect Contractor personnel

Pavement markings and construction staging impacts

Limited IDOT Personnel Resources
Red Light Running Cameras

- 270+ Communities in District One
- 102 Communities Requested RLR Cameras to date
- 364 Different Intersections
- 8 Different RLR Camera Companies
Permits for Red Light Cameras Issued On State Routes

- DuPage: 24
- Lake: 14
- Kane: 4
- McHenry: 2
- Cook: 104 (Not Including Chicago)
- Will: 4

(Not Including Chicago)
Operational Red Light Camera Installations On State Routes

- McHenry: 1
- Lake: 13
- Kane: 3
- DuPage: 21
- Cook: 81 (Not Including Chicago)
- Will: 1
As of the Fall of 2009, 168 Intersections Are Monitored in the City of Chicago.
Various Technologies have been used in District 1
ADA Requirements Must Be Maintained for Pedestrian Usage
Stop Bar Visibility
Contrary to Urban Myths, Clearance times are not shortened when Red Light Running Cameras are installed.

IDOT clearance intervals comply with MUTCD Guidelines.
Questions?