

Presentation

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Red Light Cameras



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Automated Red Light Camera Enforcement is a Good Idea

- Dramatically reduces intersection collisions
- Saves lives and reduces collision-related costs by changing driver behavior



You Have Choices

- “Turnkey” - System Designed, Installed and Operated by the Camera Vendor
- “Owner Installed” - Some Owners have Chosen to Purchase, Design, Install and Operate Their Own System



Nine Keys to a Successful System (Turnkey or Owner-Installed)

- 1 A Knowledgeable Owner
Retain an Independent and Knowledgeable Consultant to Act as Advisor
- 2 An Involved Local Police Force
Understanding and Input is Essential
- 3 Selection of Proper Sites
Use Accident Data to Shortlist Intersections
Get Input from Law Enforcement
Determine if Candidate Intersection is Suitable



Nine Keys to a Successful System (Turnkey or Owner-Installed)

4 Development of a Proper Legal Model

- Must Accurately Define the Violation Zone
- Must Describe the Actual System Operation
- Processing Scheme Must Be Defensible (Digital vs. Wet Film)
- Must Determine If Driver Identification is Required in Photos
- Must Establish Vehicle Position in Both Photos
- Must Include a Legal Definition of an Intersection
- Must Define what Constitutes a Violation
- Must Document Amber and All Red Light Clearance Periods
- Must Document How Right-Turning Vehicles are Handled
- Must Provide Certificates of Evidence
- Must Provide for Law Enforcement Involvement in Presenting Evidence and/or Issuing Violations
- Must Be an Evidentiary Tracking System
- Must Establish Minimum Violation Speeds



Nine Keys to a Successful System (Turnkey or Owner-Installed)

5 Selection of a Suitable Camera Vendor

- Interview Prospective Camera Vendors
- Check References
- Undertake Technology Review

6 Implementation of a Proper Public Involvement and Education Program

- Get Public Input from the Start
- Create and Execute a Media Information Campaign
- Develop and Distribute Promotional Material
- Provide Ongoing Program Documenting Success



Nine Keys to a Successful System (Turnkey or Owner-Installed)

- 7 A Disciplined Implementation Program
 - Includes Development of Installation Standards
 - Requires Experienced Signal Installers
 - Must Include an Installation Drawing for Each Site
 - Commissioning and Testing Are **Critical**
 - Document As-Built Conditions



Nine Keys to a Successful System (Turnkey or Owner-Installed)

- 8 Provisions for Film Processing and Issuing of Violations
 - By Police Force or Camera Vendor?
 - Determine Violations
- 9 Maintenance of System Operation
 - Develop and Follow Operations and Maintenance (O&M) Manuals and Procedures
 - Budget for Corrective Maintenance
 - Maintain “As-Built”



Using an Independent Consultant Means...

- Best Value for Red Light Camera Programs
- True Value for Turnkey or Owner-Installed System

Why??



Red Light Camera Systems Have Vulnerabilities

- Sophisticated Legal Challenges
- Documentation (or lack of)
- Public Perceptions and Support (or Opposition)
- The Systems are Really Based on Political Will and Realities, **NOT** Engineering Science



Independent Consultant Involvement Means Win-Win Scenarios

- Consultant Works for Vendor as Independent Reviewer Providing Verification – Gives Both Vendor and Municipality Confidence in System Sustainability
- Consultant Works for Owner as Independent Advisor – Owner Is Confident that Best Value is Realized



Vendors and Owners:
Our Team Can Assist You

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