

**Dedicated to providing quality certification programs for the safe installation, operation and maintenance of public safety systems; delivering value for members by providing the latest information and education in the industry.**

### **Certification**

IMSA's internationally recognized Certification programs identify individuals who have demonstrated required knowledge, skills and experience to perform specific technical tasks in one or more of the following fields:

**Fiber Optics**

**Fire Alarm Monitoring**

**Interior Fire Alarm**

**Public Reporting Systems**

**Public Safety Telecommunicator**

**Roadway Lighting**

**Signs and Pavement Markings**

**Traffic Signal Inspection**

**Traffic Signals**

**Transportation Center System Specialist**

**Work Zone Temporary Traffic Control**

IMSA Certification reflects an individual's accomplishment and professional advancement while demonstrating achievement to the general public, coworkers, employers and others.

### **IMSA**

597 Haverty Court, Suite 100  
Rockledge, FL 32955-3613  
[www.IMSAsafety.org](http://www.IMSAsafety.org)

**IMSA** is the oldest established association of its kind in the world. Although it dates back to 1896, its hardworking staff and volunteers are continuously developing and updating its many programs to ensure they are current and technically correct.

The driving purpose of the organization is to keep its members and others in the profession up-to-date on proper procedures in the industry. Through our publication, *The IMSA Journal*, and our website, we keep our members informed about new products and developments.

Since its origin, IMSA has grown in size, stature, and prestige. Today, the Association has members throughout the United States, Canada, and the world. Through its continuing dedication to public safety, IMSA has gained recognition and influence with local, state, provincial and national governments, as well as other professional organizations.

**Visit the IMSA website at:**

[www.IMSAsafety.org](http://www.IMSAsafety.org)

or Call Toll Free: (800) 723-4672

or Fax to: (321) 806-1400

or E-mail to: [info@IMSAsafety.org](mailto:info@IMSAsafety.org)

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Rockledge, FL 32955-3613



**Your Partner in PUBLIC SAFETY**

## **Traffic Signal Inspector Certification Programs**



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# Traffic Signal Inspector Certification Programs

## Traffic Signal Inspector

The IMSA Traffic Signal Inspector Certification seminar is designed to ensure public safety by helping individuals understand fundamental concepts associated with the inspection for construction of traffic signal installations. Traffic signals are a key element in our transportation system and the proper operation of these signals is of paramount importance in maintaining reasonable levels of mobility. Traffic signal inspection is required to ensure that proper and specified construction practices are followed during signal installation, resulting in signals that operate as intended. Inspection knowledge is also a key element in limiting the liability exposure of governmental agencies associated with malfunctioning traffic signals.

Traffic Signal Inspector Certification is recommended for all individuals involved in the inspection of traffic signal construction. It is also a valuable course for contractor personnel, since it provides an inspector's viewpoint of traffic signal construction.

Topics covered in the Traffic Signal Inspector Certification Course Manual include:

- Introduction to traffic signal inspection
- Inspection of underground facilities
- Inspection of traffic signal supports
- Inspection of overhead equipment
- Inspection of conduit and cable
- Inspection of vehicular and pedestrian detection systems



- Inspection of the controller assembly
- Safety requirements
- Final acceptance and turn-on

In addition to the printed manual, an interactive version of the Traffic Signal Inspector Training Manual is also available on CD-ROM.

There are no prerequisites or experience requirements for the inspector program; however, the student must pass a comprehensive 100-question written exam to obtain certification. After fulfilling the requirements for certification, the student will receive a wallet card and a certificate suitable for framing which pronounces the student an IMSA "Traffic Signal Inspector."

It is recommended that the student complete an IMSA-sponsored course prior to taking the written examination. However, individuals may purchase a manual or CD-ROM and are permitted to challenge the exam after self-study of the Traffic Signal Inspector Manual.

## Prerequisites

- *IMSA Work Zone Temporary Traffic Control Technician Certification or equivalent as approved by the IMSA Education & Certification Manager*
- *IMSA Traffic Signal Technician Level I Certification*

**IMSA also offers certification in Fiber Optics for ITS, Traffic, Fire Alarm, and Communication Systems.**

**Visit IMSA's website for information on certification renewal and continuing education credits.**

**Special Note:** The procedures of specific state and local agencies may vary from those presented in these programs. It is highly recommended that each participant become familiar with the practices of their own applicable agency which has jurisdiction over his or her area of operation.



## Traffic Signal Inspector for Advanced Technologies

Topics covered in this program include:

- Traffic signal phasing and timing of traffic signals
- Test equipment and procedures
- Control components, power systems
- Foundations, intersection wiring
- Detection systems
- Intelligent Transportation Systems (ITS) devices
- Communications

## Who Should Participate

Individuals who are responsible for the inspection of advanced traffic control and Intelligent Transportation Systems and seek an advanced level of professional certification, will benefit by taking this seminar.

## Prerequisites

- *IMSA Work Zone Temporary Traffic Control Technician Certification or equivalent as approved by the IMSA Education & Certification Manager*
- *IMSA Traffic Signal Technician Level I Certification*
- *IMSA Traffic Signal Inspector Certification*

## Benefits of These Programs

The goal of these seminars is to provide Traffic Signal Inspectors with the knowledge to allow them to deal with all aspects of Traffic Signal Installation projects. In an era where cost effectiveness is vital in public works projects, this program will benefit the people charged to see that these projects are constructed safely and efficiently.