# 2015 I³ Transportation Showcase

Omni Resort at ChampionsGate  
May 26th thru 29th

**Deadline for Class Registration is May 18th**

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<thead>
<tr>
<th>DATE</th>
<th>CLASS</th>
<th>MEMBER</th>
<th>NONMEMBER</th>
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<tbody>
<tr>
<td>May 26th – 29th - General Registration</td>
<td>$175.00 − $325.00</td>
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*A General Registration is included in the cost of each class*

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<tr>
<td>May 26th &amp; 27th - Inter. Work Zone</td>
<td>$450.00 − $450.00</td>
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<td>May 27th - 29th - Advanced Work Zone</td>
<td>$550.00 − $550.00</td>
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<td>May 26th &amp; 27th - Traffic Signals I</td>
<td>$500.00 − $550.00</td>
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<td>May 28th &amp; 29th - Traffic Signal II Field</td>
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<td>May 29th - Traffic Signal III Field</td>
<td>$460.00 − $490.00</td>
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<td>May 26th – 28th - Traffic Signal Inspection</td>
<td>$550.00 − $600.00</td>
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<td>May 26th &amp; 27th - Signs &amp; Markings I</td>
<td>$510.00 − $560.00</td>
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<td>May 28th &amp; 29th - Signs &amp; Markings II</td>
<td>$520.00 − $570.00</td>
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<td>May 26th - Signs &amp; Markings III</td>
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<td>May 28th &amp; 29th - Signs &amp; Markings Recert.</td>
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<td>May 26th &amp; 27th - Roadway Lighting I</td>
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<tr>
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Deadline for Class Registration is May 18th

(General Registration Required to attend Technical Sessions)

WWW.FLORDIASECTIONITE.ORG/EVENTS  
WWW.FLORIDA.IMSASAFETY.ORG
For questions on Certification Classes please contact:
Gary Scheuring @ 813-310-3530 / IMSADOC@AOL.COM

*A General Registration is included in the cost of each class*

Florida Intermediate Work Zone
May 26th, 27th (8 AM-5PM)

This course is a prerequisite for:
• Level I and II Roadway Lighting
• Level I and II Traffic Signal
• Level I and II Signs and Markings

Problems of traffic control occur when traffic must be moved through or around road or street construction, maintenance operations, utility work and incidents on or adjacent to the roadway. This two day course establishes principles to be observed in the design, installation, and maintenance of traffic control devices and identifies standards where applicable. The general principles outlined are applicable to both rural and urban situations. You will review Traffic Control Devices; Hand Signalizing Devices; Guidelines for Using Traffic Control Devices; Typical Situations for Construction; Traffic Terminology; Work Zone Traffic Control & Safety Review Notes; State and/or local Design Standards. This course on Work Zone Traffic Control and Safety was specifically developed by the principles and procedures which experience has shown to enhance the safety of motorists and the workers in the vicinity of work areas. [This class can't be challenged]

Prerequisite: None

Florida Advanced Work Zone
May 27th – 29th (8AM-5PM)

This course satisfies the requirements as a prerequisite for:
• Level I and II Roadway Lighting
• Level I and II Traffic Signal
• Level I and II Signs and Markings

All personnel with responsibility to decide on specific maintenance of traffic requirements to be implemented on state of Florida roadways, including, engineers responsible for the work zone traffic control plan development, and the work zone traffic control supervisor. Personnel who successfully complete the Advanced MOT Training Course will receive FDOT recognized qualification, valid for four (4) years, to perform work zone traffic control planning, design, implementation, inspection and/or supervising the selection, placement or maintenance of traffic control schemes or devices in work zones on the State Highway System in accordance with the Florida Department of Transportation Specifications 105-5.3 and 102-3.2.

Prerequisite: One year experience in work zone traffic control or responsible for work zone traffic control plan development.

Traffic Signal Level 1
May 26th, 27th (8 AM-5 PM)

The course concepts and procedures covered in this course find broad application with the traffic industry and are generally indicative of standard practice. However, the procedures of specific agencies may vary from those presented here in response to local conditions. It is highly recommended that each individual become familiar with the practices of the local agencies having jurisdiction over their area of operation. In this two-day session, you will discuss: Introduction to Traffic Signals; Signal Indications and Signal-Related Signing; Planning for Traffic Signals; Designing Traffic Signals, Traffic Signal Supports; Inside the Controller Cabinet; Traffic Signal Phasing; Vehicle Detection; Basic Signal Timing Concepts; Preventative Maintenance Issues; Legal Liability Issues; and Dealing with the Public.

Prerequisite: One year experience in Signal Work, Work Zone

Signs & Markings Level 1
May 26th, 27th (8AM - 5PM)

The level I Specialist will master the basic principles behind signing and pavement markings. You will review: General Principles; Regulatory Signs; Warning Signs; Guide Signs; Pavement Marking; Object Markers; School Zones; Railroad Crossings; and Bicycles Routes.

Prerequisite: Work Zone and One year Traffic Operations Experience
**Signs and Markings Level II,**

**May 28th, 29th (8AM – 5PM)**

The primary objective of the Level II Signs & Markings certification process is to recognize those individual whose understanding of standard signing and marking principles is thorough enough to enable them to apply these principles to on-the-job situations. The two-day field work will be covered: Level I Review; Tort Liability; Regulatory Sign Warrants; Warning Sign Placement; Guide Signs, Route Markers and Trailblazers; Pavement Marking Materials; Reflectorization/Illumination.

**Prerequisite:** Work Zone, Signs & Markings Level I, Two Years Traffic Operations Experience

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**Traffic Signal Level II Field**

**May 28th, 29th (8AM – 5PM)**

The Traffic Signal Level II Certification indicates the holder has a well-rounded background in traffic signal technology from coursework and experience. The Level II Field certification indicates the technician has additional training on traffic signal control system troubleshooting, on-site repairs, and maintenance methods and equipment. Areas of training include worksite safety, maintenance of traffic, traffic signal system equipment standards and operation, installation inspection, troubleshooting, equipment repair, replacement and programming, test equipment, signal phasing and timing, detection, system communications, preventive maintenance, and documentation. The certification holder is prepared to make a substantial contribution in the maintenance and repair of signalized intersections, whether employed by a private firm or a public agency.

**Prerequisites:** Work Zone Traffic Control Safety
IMSA Level I Traffic Signal Tech.
Two Years Exp. in the Traffic Signal Field

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**Traffic Signal Level II - Design/Engineering**

**May 28th, 29th (8AM – 5PM)**

The Traffic Signal Level II Certification indicates the holder has a well-rounded background in traffic signal technology from coursework and experience. The Level II Design/Engineering certification indicates the technician has additional training on traffic signal control system planning, design, theory of operation, and legal/regulatory issues. Areas of training include industry standards, liability and regulatory considerations, traffic data collection, site inspections (prior to signal design), detection design, intersection phasing and timing plans, volume density and coordination timing, equipment selection, and project management. The certification holder is prepared to make a substantial contribution in the design of signalized intersections, whether employed by a private firm or a public agency, where new or replacement traffic signal planning and design is the focus.

**Prerequisites:** Work Zone Traffic Control Safety
IMSA Level I Traffic Signal Tech.
Two Years Exp. in the Traffic Signal Field

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**Traffic Signal Level II Field**

**May 28th, 29th (8AM – 5PM)**

The Traffic Signal Level II Certification indicates the holder has a well-rounded background in traffic signal technology from coursework and experience. The Level II Field certification indicates the technician has additional training on traffic signal control system troubleshooting, on-site repairs, and maintenance methods and equipment. Areas of training include worksite safety, maintenance of traffic, traffic signal system equipment standards and operation, installation inspection, troubleshooting, equipment repair, replacement and programming, test equipment, signal phasing and timing, detection, system communications, preventive maintenance, and documentation. The certification holder is prepared to make a substantial contribution in the maintenance and repair of signalized intersections, whether employed by a private firm or a public agency.

**Prerequisites:** Work Zone Traffic Control Safety
IMSA Level I Traffic Signal Tech.
Two Years Exp. in the Traffic Signal Field

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**Traffic Signal Level II - Design/Engineering**

**May 28th, 29th (8AM – 5PM)**

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**Prerequisites:** Work Zone Traffic Control Safety
IMSA Level I Traffic Signal Tech.
Two Years Exp. in the Traffic Signal Field

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**Signs and Markings Level III**

**May 26th (8 AM-5PM)**

The intent of this six (6) hour refresher session is to give a brief review of the required technical knowledge and understanding of the traffic signs and markings technician. It will cover past concepts of the industry standards in an overview format. It is hoped that this will promote a group discussion and the sharing of ideas in the signs and markings field. This session will not necessarily cover all the content of the final exam and is not limited to the content or questions of the exam. It is to refresh your memory on subjects you may not have used for a while.

**Prerequisites:** Work Zone Traffic Control Safety
Signs and Markings Level I & II
Five Years Experience In The Field
Traffic Signals Level III Field
May 29th (8 AM - 5PM)

The IMSA Traffic Signal Level 3 – Field Technician Certification is a six (6) hour refresher session designed to give a brief review of the required technical knowledge and understanding of advanced Traffic Signal Technicians. The 100 question exam associated with the certification has been prepared to test the candidate on a wide range of topics relating to field expertise and general knowledge of the applied traffic signal technologies in the field. The following list some of the reference materials that the potential IMSA Traffic Signals Level 3 Field Technician must be familiar with: NEMA Standards (TS1 & TS2), 170/2070 Standards, Various Traffic Detection Methods, Video Detection Manufactures Setup Manuals, Lightening Protection Devices, FHWA and ITE Vehicle Detection Manuals, Data communications Methods, U.S.M.U.T.C.D.-Millennium Edition, Signal Head Types specification and installation methods, IMSA Wire & Cable Specifications, ITE Traffic Engineering Manual, ITE Traffic Control Devices Handbook, Traffic signal Preemption Devices, Understanding of Basic Electronic and Electrical, U.S. National Electric Code & /or Canadian Electrical Code. The candidates must hold a valid IMSA Traffic Signal Level 2-Field Technician Certification, and be currently active in the industry.

Prerequisites: Work Zone Traffic Control Safety
IMSA Traffic Signal Technician Levels I & II Field
Five Years Exp. in the Traffic Signal Field

Traffic Signal Inspection
May 26th – 28th (8 AM - 5 PM)

The IMSA Traffic Signal Inspection Certification Program is designed to ensure public safety by helping individuals to 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 traffic signals is of paramount importance in maintaining reasonable levels of mobility. Knowledgeable traffic signal inspection is required to ensure that proper specified construction practices are followed during signal installation, resulting in signals that operate as intended. Knowledgeable inspection is also a key element in limiting the liability exposure of governmental agencies associated with malfunctioning traffic signals. Topics covered in the Traffic Signal Inspection Certification Course include: Introduction to Traffic Signal Inspection; Inspection of Underground Facilities; Inspection of Traffic Signal Supports; Inspection of Traffic Signal Preemption Devices; Inspection of the Vehicular and Pedestrian Detection Systems; Inspection of the Controller Assembly; Safety Requirements; and Final Acceptance and Turn-On.

Prerequisite: None;

*A General Registration is included in the cost of each class*

EXHIBITOR SHOWCASE
May 27th Thru 29th

➤ Come join dozens of local Vendors sharing the latest in Transportation Technology.
➤ Showcase opens Wednesday at 11AM and runs through Friday 11AM.
➤ See new products and enjoy a great opportunity to share ideas and network with Industry leaders and peers from all over the State.
ROADWAY LIGHTING TECHNICIAN I
May 26th & 27th  (8 AM-5PM)

The Roadway Lighting Technician Level I Certification course for qualified personnel is designed to aid individuals in the understanding fundamental aspects of Roadway Lighting. Additionally, the review material will address electrical safety and codes, basic electricity and laws, and basic construction and maintenance.

The principal objectives of the course are:
- Safety and Qualifications
- Lamp and Luminaire Components
- Electrical Service
- Poles and High mast Components
- Basic Lighting Design Fundamentals
- Lighting Applications
- Maintenance of Systems
- Reference Documents
- Testing, Investigation and Troubleshooting

At the conclusion of each of the seminar sections, the participant will be exposed to questions representative of the type contained in the certification examination.

- **Prerequisites**: IMSA Work Zone Traffic Control Safety Certification

ROADWAY LIGHTING TECHNICIAN II
May 28th & 29th  (8 AM-5PM)

The Roadway Lighting Technician Level II Certification course is advanced studies in the theory of Roadway lighting design and maintenance. Theory of luminance calculations and light distribution, as well as calculating of electrical loads is imperative to proper lighting installations. Continued focus on development of best practices in Safety and System maintenance will also be expanded on in this course.

The principal objectives of the course are:
- Safety and Qualifications
- Lamp and Luminaire Components
- Electrical Service
- Poles and High mast Components
- Basic Lighting Design Fundamentals
- Lighting Applications
- Maintenance of Systems
- Reference Documents
- Testing, Investigation and Troubleshooting

- **Prerequisites**: IMSA Work Zone Traffic Control Safety Certification, Roadway Lighting Technician I.

TECHNICAL PROGRAMS
May 27th – 29th  (8AM-5PM)

- This years sessions will cover a variety of subjects from Ethernet communications to Connected Vehicle Technology. Multiple sessions will be held over the course of 2 1/2 days.
- Remember attending 16 hours of the sessions offered will give you the 64 points needed for recertification.
- For more information about Recertification and TARP Points visit; [WWW.IMSASAFETY.ORG](http://WWW.IMSASAFETY.ORG)