



Michigan Section

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION

*The Leading International Resource for
Information, Education and Certification for Public Safety*



2011 Cadillac Certification & Networking Conference

McGuire's Resort, 7880 Mackinaw Trail, Cadillac, MI 49601

Date: Oct 24-28, 2011

Certification training, renewal opportunities and networking will be offered at McGuire's Resort, Cadillac, Michigan.

Improve your technical expertise through the IMSA certification process. This meeting also offers opportunity to meet counterparts from other agencies to discuss common problems, solutions and operational issues you deal with in the performance of your duties.

Your Board of Directors remains sensitive to economic conditions and tight budgets. IMSA certification programs continue to remain a bargain, compared to other industry programs with pricing close to 2006 levels.

The International Municipal Signal Association has *redesigned* the Traffic Signal Technician *Level 2* courses. Although Traffic Signal Technician Level 1 remains the same in scope, Traffic Signal Technician Level 2 has now been divided into four distinct specific courses of instruction as detailed.

- Courses are offered individually. Dates and times are listed on the reservation form.
- *Certification renewal* can be accomplished at **reduced cost** without the need to retake the exam.
- Unless otherwise noted, **all** manuals need to be ordered 4 weeks in advance *directly from the International*.
- All courses starting at 8AM include lodging the night *prior* to arrival.
- **Michigan Temporary Traffic Control** is a new **updated** workzone course replacing Michigan Traffic Regulator.
- Registration for Michigan Temporary Traffic Control will be available on Sunday from 5-7PM. (Dinner is not included)
- If you require changes in lodging or meals, contact Tim DeWitt to make arrangements.
- Visit www.imsaMichigan.org for additional certification information and support materials.

IMPORTANT: ALL study guides required for certification courses must be ordered directly from the International office (800 723-4672) with a separate purchase order. Level III courses *do not* require the purchase of study guides.

TECHNICAL ADVANCEMENT RECOGNITION PROGRAM (TARP) This is a *Members Only* program for *certification renewal* that awards points, based on meetings/training you attend and report to the International office. As an example, technical courses offered by Carrier & Gable qualify for TARP points. You can download your personal log form on-line at www.imsaMichigan.org. If you have questions regarding this program, please contact Pam Burgess at 248 477-8700.

REGISTRATION PROCESS

If you elect to arrive the morning your course starts, registration will take 15-20 minutes. Allow enough time for paperwork to be completed *before* you begin your course. The registration desk is located above the hotel lobby and will be open at 6AM daily.

WORK EXPERIENCE VERIFICATION FORM

A *Work Experience Verification Form* is attached. It is essential that this form be filled out and faxed along with your reservation. The original (signed) version should be *hand carried* to the conference. This WEV form is required for each certification class. Only those individuals that pass the certification exam and have the necessary work experience and/or prerequisite certifications can receive IMSA certification. Prerequisites are listed on the attached Work Experience Verification Form. Additional copies can be downloaded from our website www.imsaMichigan.org

If you do *not* have the listed prerequisite time and experience you may still take the course. Certification can be held for one year, subject to receiving the required work experience and/or prerequisites.

LODGING & MEALS

All meals, lodging and breaks are included in the cost. If you do not require lodging or meals contact Tim for a price reduction @ 586 929-3309. Hotel accommodations will be arranged upon receipt of your faxed reservation. If you desire a specific roommate, indicate this on the reservation form. Each person will need their own individual reservation.

All attempts will be made to provide the accommodations you are requesting. PARTICIPANTS WILL BE "DOUBLED UP". All rooms are non-smoking. Should special accommodations be required, special pricing may apply (call Tim). Remember, if your class starts at 8:00AM, your reservation *includes lodging* the night prior.

IMSA MEMBERSHIP

As a current paid member of IMSA, you should be receiving *your* copy of the IMSA Journal. If you have questions regarding your membership or certification status regarding a particular class, please call the International Municipal Signal Association directly at 800 723-4672.

PAYMENT

Registrations forms not received by October 10th automatically incur a \$50.00 surcharge. Make your check payable to the Michigan Section, IMSA. Hand carry it to the meeting or send it in advance to: IMSA, Michigan Section, c/o Carrier & Gable, 24110 Research Drive, Farmington Hills, MI 48335. Payment *MUST* be received no later than your *ARRIVAL* at the meeting. Price covers exams, lodging, food and breaks. Payment for manuals is made directly to the International office.

TESTING POLICY, RETAKE AND CHALLENGE EXAMS

Certification exams will be administered by authorized test administrators at the end of each course. The International office grades the exams. Results will be sent directly to the individual by the Michigan Section within 60 days, if the prerequisites for that course are verified. A re-take exam is available for \$75.00 (following a 60 wait period, but not longer than 12 months following the initial exam) for those who do not successfully complete the initial exam. If a re-take or challenge exam is attempted but *not passed*, the International requires the full course be taken before the next attempt.

Consideration is given to those wishing to take challenge exams (or re-take exams), for courses not held at this conference, at a cost of \$160.00 per exam. For information on ALL challenge/retake exams contact Bill Moroski (Michigan Council Delegate & Certification Director, @ imsa-misection@charter.net. These *must* be scheduled in advance. No course materials are provided.

MICHIGAN SECTION IMSA "HELP LINE(S)"

Conference format or course information	Pam Burgess	248 477-8700
Challenge exams - Retake exam	Bill Moroski	248 890-1036
Special requirements/pricing	Tim DeWitt	586 929-3309

Additional information, registration and work Verification Forms can be found at www.ImsaMichigan.org.

IMSA CERTIFICATION COURSES

Agencies requiring IMSA certification, as a condition of employment, continues to grow internationally. To date, the International Municipal Signal Association has issued 97,000+ certifications internationally, (3,400+ in Michigan), to those involved in work zones, traffic signals, signs & markings and roadway lighting.

IMSA certification programs are important for government agencies, contractors and public utilities that work in public right-of-ways and install & maintain traffic control devices. Use this conference not only to learn, but also network with counterparts in other agencies to solve problems common to your responsibilities.

All Michigan IMSA certification courses require a prerequisite called Michigan Temporary Traffic Control. This is a totally new course. Participants become familiar with the requirements set forth in Part VI, Construction and Maintenance, of the Michigan Manual of Traffic Control Devices. This course also meets the requirements mandated by MDOT for Traffic Regulator duties.

MICHIGAN TEMPORARY TRAFFIC CONTROL – NEW

This 8-hour course is designed for persons who will be assigned Traffic Regulator duties. It is applicable for Lead Workers and Supervisors that will install and review Traffic Regulator operations and Engineering Staff that will develop work zone traffic control. It is designed to exceed Michigan DOT requirements to be a Traffic Regulator in Michigan. The MMTC certification program is designed for persons who will be assigned Traffic Regulator duties, lead workers, supervisors that will install and review traffic regulator operations and engineering staff that will develop temporary traffic control. This program is designed to exceed the Michigan DOT requirements to be a Traffic Regulator. MTTC deals specifically with the requirements of the 2009

Manual on Uniform Traffic Control Devices, Part 6, the MMUTCD and the authority, obligation and training of Traffic Regulators. The MTTC program promotes the proper use of traffic control devices, traffic control procedures, MiOSHA requirements, safety apparel and general traffic safety. This program highlights requirements for signing, special Traffic Regulator operations, including single and intermediate Traffic Regulator, Haul Road operations and the use of police officers.

Employers are responsible for properly training employees in the installation, inspection, operation and maintenance of temporary traffic control devices. This one-day program, divided into ten segments, incorporates a post-training quiz following each segment. Upon conclusion of MTTC, participants should be prepared for the 100 multiple choice question certification examination. 70% is required to successfully pass. The course covers the following areas:

Michigan Manual	One Lane Traffic Control	Nighttime Flagging
Traffic Elements	Stopping Distances	Channelizing Devices
Road Conditions	Stopping/Releasing Traffic	Taper Lengths
Traffic Redirection	Special Flagging Application	Sign Placement

SIGNS & MARKINGS, Lev. 1

This updated course is an entry-level program. It is designed to insure all personnel have extensive exposure to basic procedures in the specialized field of signs and pavement markings. Level 1 cover the fundamentals of, installation and maintenance of all signs and pavement markings. Michigan has now standardized on the MUTCD with a Michigan supplement and you are expected to bring a copy of the MUTCD as your second resource. A Level I Signs & Markings Specialist should, by nature of this certification title, have mastered the basic principles behind signing and pavement marking. Although the individual who is approved to take the Level I exam may have a lot of field experience, the exam will require that he be able to communicate this knowledge in a written format. The best way to prepare for this challenge is to begin to review the topics that will be covered on the exam. One year of experience is required for certification.

SIGNS & MARKINGS, Lev. 2

Signs & Markings, Level II is designed to emphasize the practical application of standard principles for personnel who are responsible for both the installation and maintenance of signs & markings in the field. Signs and Marking, Level 2 is designed to review advanced sign and pavement marking principles and concepts generally achieved by a person with at least two years of experience working in all aspects of a sign shop. It includes advanced concepts regarding regulatory, warning and guide sign fabrication and installation, pavement marking installation, as well as equipment maintenance, sign shop management (including personnel, safety and security) and dealing effectively with the public. Two years of experience and Level I are required for taking this course.

Upon successful completion of the Level 2 Signs & Markings certification, individuals should have a thorough understanding of standard signing and marking principles, with enough knowledge to enable them to apply these principles to on-the-job situations. Michigan has now standardized on the MUTCD with a Michigan supplement and you are expected to bring a copy of the MUTCD as your second resource.

SIGNS & MARKING SPECIALIST, Lev. 3 {Challenge Exam Only}

Signs and Marking, Level III is the highest level of certification for signs and markings personnel. The course has no study guide but will test your knowledge of the MUTCD. Attaining the highest level of certification in the signs and marking's operation field gives the specialist a profound sense of accomplishment, as the effort required to achieve this goal is exceptional. The individual shall have at least 5 years of verifiable road/traffic operations experience; Michigan Traffic Regulator (or IMSA Work Zone Traffic Control Safety) and IMSA Signs and Markings, Level II certification. Bring a copy of the latest edition of MUTCD.

TRAFFIC SIGNAL TECHNICIAN, Lev. 1

This updated certification program is the entry level for all traffic signal employees. The course is designed to insure that all participants, with sufficient traffic signal experience, understand the basic principals. The course concludes with an exam covering basic procedures in the field of traffic signal operation. One year of field experience is required. The course will cover:

Introduction and Fundamentals of Signals	Signal Justification & Design
Signal Operation and Configuration	Field and Limited Signal
Design	Maintenance

TRAFFIC SIGNAL FIELD TECHNICIAN, Lev. 2

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. Study Guide: 266 pages Copyright 2008

Prerequisites: IMSA Work Zone Traffic Control Safety Certification or approved equivalent

IMSA Level I Traffic Signal Technician Certification & two (2) years experience in Traffic Signals

TRAFFIC SIGNAL CONSTRUCTION TECHNICIAN, Lev. 2

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 Construction certification indicates the technician has additional training on traffic signal control system construction, safety, materials, methods, and equipment. Activities covered include: safe operation of construction equipment (from concrete saws to cranes), planning activities, documentation, and installation of conduits, poles, mast arms, signal heads, cabinets, and inductive loops. Setup and testing of a new signal installation is also reviewed. The certification holder is prepared to make a substantial contribution in the traffic signal construction group of a private firm or a public agency where new or replacement traffic signal construction is the focus. Study Guide: 187 pages Copyright 2009

Prerequisites: IMSA Work Zone Traffic Control Safety Certification or approved equivalent

IMSA Level I Traffic Signal Technician Certification & two (2) years experience in Traffic Signals

TRAFFIC SIGNAL DESIGN/ENGINEERING TECHNICIAN, Lev. 2

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 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.

Study Guide: 251 pages Copyright 2008

Prerequisites: IMSA Work Zone Traffic Control Safety Certification or approved equivalent

IMSA Level I Traffic Signal Technician Certification & two (2) years experience in Traffic Signals

TRAFFIC SIGNAL BENCH TECHNICIAN, Lev. 2

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 Bench certification indicates the technician has additional training on traffic signal control cabinet equipment. This training includes the programming, application, and maintenance of controllers, conflict monitors, vehicle and pedestrian detection systems, and the communication and power wiring of the cabinet. The technician is also trained in electronic circuit operation and fault diagnosis, and the use of test

Computer Networking and IP Communications

This will not be a formal class this year, T Dailey (Carrier & Gable) will be attending the conference and will be able to assist you with questions/problems you may have. It will be important to bring your laptop computer with you.



Michigan Section

INTERNATIONAL MUNICIPAL SIGNAL ASSOCIATION



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Certification Work Verification Form

Fax to Pam Burgess @ 248 473-0730

Date: _____

Rev 082011

Agency: _____

Address: _____

Registrant: _____

Briefly describe your work experience during the previous _____ year(s). (Use back, if needed)

Registrant: (Please Sign) _____

All courses are open to anyone, regardless of work experience. Only those individuals that pass the certification exam and have the work experience and/or prerequisite certifications will receive IMSA certificates. Retroactive certificates will be issued if:

1. Prerequisite certification(s) are met.
2. Work Experience Verification Form is submitted and verified not later than one, two, three or five years respectively from the certification exam date.

CHECK APPROPRIATE BOX(ES) FOR COURSE REGISTRATION OR REQUEST FOR RETROACTIVE CERTIFICATION FROM A PREVIOUS COURSE.

<input type="checkbox"/> Michigan Temporary Traffic Control	1 Yr. Traffic Control Exp. including Tfc. Regulating
<input type="checkbox"/> Traffic Signals, Lev. 1	1 Yr. Traffic Signal Work Experience & MTTC
<input type="checkbox"/> Traffic Signals, Lev. 2 - Field	2 Yrs. Traffic Signal Work Experience & T/S, Lev.1
<input type="checkbox"/> Traffic Signals, Lev. 2 - Bench	2 Yrs. Traffic Signal Work Experience & T/S, Lev.1
<input type="checkbox"/> Traffic Signals, Lev. 2 - Design/Engineering	2 Yrs. Traffic Signal Work Experience & T/S, Lev.1
<input type="checkbox"/> Traffic Signals, Lev. 2 - Construction	2 Yrs. Traffic Signal Work Experience & T/S, Lev.1
<input type="checkbox"/> Traffic Signals, Lev. 3	5 Yrs. Traffic Signal Work Experience & T/S, Lev.2
<input type="checkbox"/> Signs & Markings, Lev. 1	1 Yr. Signs & Markings Experience and MTTC
<input type="checkbox"/> Signs & Markings, Lev. 2	2 Yrs. Signs & Markings Experience and S&M, Lev.1
<input type="checkbox"/> Signs & Markings, Lev. 3	5 Yrs. Signs & Markings Experience and S&M, Lev.2
<input type="checkbox"/> Roadway Lighting, Lev. 1	1 Yr. Roadway Lighting Experience and MTTC
<input type="checkbox"/> Roadway Lighting, Lev. 2	2 Yrs. Roadway Lighting Experience and MTTC

Supervisor/Job Title: (print legibly) _____

I verify that (please print) _____ has _____ required number of year(s) work experience and has successfully completed all IMSA prerequisite certifications.

This form, with the supervisor's signature will be considered verification of course prerequisites.

Supervisor Signature: _____

Supervisor Ph: _____ Fax _____ Email _____

I prefer to be reached by telephone. The best time is _____. [] I prefer to be reached by email.

Course Reservation - Fax this Form with your Registration Form to the fax number shown on the course registration.

Retroactive Certification Fax this completed Form to Bill Moroski, MI Section Cert. Chairman at 248 628-3458 (call first)

Michigan Section, IMSA

2011 Fall Certification Reservation Form

Fax reservation to 248 473-0730 by Oct 1st. No refunds after Oct. 10th

Sent By: _____ Date: _____

Name: (ONE per form – Print Clearly): _____

Agency: _____

Address: _____ Zip: _____

Phone (____) _____ Fax (____) _____ Email: _____
(Print Clearly)

Requested Roommate: _____ Current member of IMSA? Yes [] No []

	START	END		
Michigan Temporary Traffic Control	Oct.24, 8am	Oct.24, 5pm	\$390	\$ _____
Signs & Markings, Lev.1	Oct.25, 8am	Oct.26, 5pm	\$400	\$ _____
Signs & Markings, Lev.2	Oct.27, 7am	Oct.28, 2pm	\$400	\$ _____
Signs & Markings, Lev.3 (Exam Only)	TBA - based on need		\$170	\$ _____
Traffic Sig. Technician, Lev.1	Oct.25, 8am	Oct.27, 5pm	\$470	\$ _____
Traffic Sig. Technician, Lev.2 - Field	Oct.25, 8am	Oct.27, 5pm	\$470	\$ _____
Traffic Sig. Technician, Lev.2 - Construction	Oct.25, 8am	Oct.27, 5pm	\$470	\$ _____
Certification Renewal _____		Call for reduced price		\$ _____

Retake Exam Requested** _____ Oct.30, 8am One free retake within 6 months of initial exam

Challenge Exam Requested** _____ Oct.30, 8am \$170 \$ _____

** All Challenge/Retake exams must be arranged through the Dir. of Certification, Mr. Bill Moroski.

Payment received AFTER Oct. 10th ADD \$50.00 \$ _____
Total Cost \$ _____

Make your check payable to Michigan Section, IMSA

Send payment to IMSA, c/o Carrier & Gable, 24110 Research Drive, Farmington Hills, MI 48335