



Your Partner in PUBLIC SAFETY



Ontario Trillium Section

Newsletter

Summer 2017



Volume 41 No. 4

www.ontario.imsasafety.org

P.O. Box 69611, 109 Thomas Street
Oakville, Ontario L6J 7R4
Phone: 905-570-IMSA (4672)
Fax: 905-842-9141



President's Message

Welcome to summer everyone!! As I write this message we have just completed one of the

wettest springs that we have had in a long time. Most of the GTA has received record rainfall which has posed numerous problems for those of us that work in the transportation industry with roadway and rail flooding resulting in many delays and closures for the travelling public.

As we move forward our Section has just had our AGM on the 15th of June. Elections were held and the results can be found within the pages of this newsletter. Up next is the International Conference which will be held in Scottsdale, Arizona July 8-11, 2017. This year, we will be sending two representatives to the conference. This is an opportunity to meet with other folks from the other 22 IMSA Sections and to learn the plans and activities that the International has planned for the upcoming year.

This year in the IMSA Ontario Trillium Section will prove to be, as always, exciting and challenging.

Certification and Certification Renewal will continue to be an important part of our activities, as we continue to strive to help everyone understand the importance of Certification and the process of keep their Certifications current. This year, the International has been working hard to get the membership software up and running. Phase 1 has been completed and each member can now go online, pay their dues and update their profile. Phase 2 will be the online store which will enable Sections to order manuals for certification schools, and it should be ready this summer. The third and final phase will be the Certification Module where you will be able to view your certifications, submit training and track your Tarp points for Certification Renewal. This phase should be available before Christmas. Our Section has volunteered to assist with the testing of this final module to help work out the bugs.

As I move into my year as president, I intend to make a few changes to make it easier for you, our members to get the information you need. Our website has been around for a while and is somewhat antiquated. We intend to start the process of updating it so that it will work better. Secondly, I want to appoint a few more committee chairs to ...

Continued on page 10

Advertisers Index

AGI Traffic Technology	6	Impulse Technologies Ltd.	17
Alpha Technologies	23	Innovative Traffic Solutions (its)	5
Aluminous Lighting Products ...	5	Lanelight	17
AMG Metals Inc.	19	Metallifer	26
ATS Traffic Group	7	Moon-Matz Ltd.	15
Beacon Utility Contractors Limited	11	NCA / Acrow-Richmond-Manufacturer of Pre-Set Anchors ..	15
Black & McDonald Ltd.	19	North Line Canada Ltd.	15
Coordinated Traffic Solutions	7	Orangetraffic (New Advertiser)	5
DUCON Utilities Ltd.	13	Parsons	12
Dundas Power Line Limited	23	Polefab	6
Econolite	5 & 11	PM Castings Ltd.	19
Electromega	13	Sentinel Pole & Traffic Equipment Ltd.	23
Emtrac Systems	21	Solarsignals	21
Enasco Ltd-Electrical Poleline Contractors	17	Tacel Ltd-Traffic Control Equipment	15
EWING - Traffic & Lighting Products	17	TM3 Inc.	11
Fellmore Electrical Contractors Ltd.	12	Traffic Hardware + Design	21
Fortran Traffic Systems Ltd.	10	Trafficware Canada	19
GGI - Road & Traffic	4 & 11	Valmont West Coast Engineering	17
Guild Electric Ltd. - Industrial, Commercial Traffic	7	Weinmann Electric	7

2017 - 2018 BOARD OF DIRECTORS

President **Dave Edwards**
Phone (289) 668-0010
Email: daveedwardsconsulting54@gmail.com

Phone (705) 474-7970
Email: larry.sharpe@sympatico.ca

Past President Shawna Boakes, P.Eng.
Dillon Consulting Ltd
3200 Deziel Drive, Suite 608
Windsor, ON N8W 5K8
Phone (519) 948.4243 Ext. 3225 Cell (519) 791-3053
Fax (519) 948.5054
Email: sboakes@dillon.ca

Regional Director, East **R. Paul Webster**
MTO, Engineering Office
1355 John Counter Boulevard, Kingston, ON K7L 5A3
Phone (613) 540-5180 Fax (613) 545-4873
Email: paul.webster@ontario.ca

President Elect **Rob Declair**
City of Hamilton
Traffic Operations and Engineering
330 Wentworth Street North, Hamilton, ON L8L 5W2
Phone (905) 546-2424 Ext. 4391 Cell (905) 973-4753
Email: robert.declair@hamilton.ca

Regional Director, GTA **Joe Hendrix**
Email: jjhendrixelectrical@gmail.com

Regional Director, South West **Dave Thompson**
WSP / MMM Group Limited
610 Chartwell Road, Suite 300, Oakville, ON L6J 4A5
Phone 1(289) 835-2619
Email: ThompsonD@mmm.ca

Treasurer **Rui Senos**
Sentinel Pole & Traffic Equipment Limited
Phone (905) 564-2929
Email: ruisenos@sentineltraffic.com

Director **Jim Pendlebury**
Traffic Operations Supervisor, Town of Oakville
1140 South Service Road West, Oakville, ON L6L 5T7
Phone (905) 845-6601 ext.3953 Fax (905) 338-4227
Email: jpendlebury@oakville.ca

Secretary **Michael B. Flanigan**
City of Mississauga
3185 Mavis Road, Mississauga, ON L5C 1T7
Phone (905) 615-3200 ext 5134 Fax (905) 896-5166
Email: mike.flanigan@mississauga.ca

MTO Representative **Ousama Shebeeb, P.Eng.**
MTO
301 St. Paul Street
St. Catharines, ON L2R 7R4
Phone (905) 704-2221
Email: Ousama.shebeeb@ontario.ca

Traffic Expo Chair **Iain Myles, P.Eng.**
1445 Hopkins Street, Whitby, ON L1N 2C2
Phone (905) 666-5600, ext. 233
Email: idmyles@ewinggroup.com

International Delegate **Mike Flanigan**

Newsletter Chair **Lambert Philadelphia**
702-121 Trudelle Street
Scarborough, ON M1J 3K4
Cell (416) 570-7607
Email: junnie.philadelphia@gmail.com

Alternate International Delegate **Dave Edwards**

Moderator Chair **Aaron Swartz**
Essex County Highways
1941 Road 4 East, RR #2
Kingsville, ON N9Y 2E5
Phone (519) 326-8691
Email: aswartz@countyofessex.on.ca

597 Haverty Court,
Suite 100, Rockledge, Florida 32955
Phone: (321) 392-0500 or
(800) 723-IMSA (4672)
Fax : (321) 806-1400

Advertising Chair **Richard Chaikoff**
3 Hallfield Road,
Etobicoke, ON M9B 5W5
Phone (416) 620-9896
Email: rchaik@sympatico.ca

Douglas M. Aiken, Executive Director
Email: daiken@imsasafety.org

Jeffrey G. Knight, Education & Certification
Manager
Email: jknight@imsasafety.org

Regional Director, West **Patrick Gallipeau**
27 Woodland Crescent , Tillsonburg, ON N4G 4G6
Phone (519) 983-4335
Email: pgallipeau@sympatico.ca

Membership Questions:
Email: membership@imsasafety.org

Regional Director, North **Larry Sharpe**
Transfield Services Canada LTD.
1891 Seymour Street,
North Bay, ON P1B 8G4



Neither this publication nor the IMSA assumes responsibility for statements contained in papers, articles, advertisements, etc., contributed by authors and printed herein; nor does the publishing of such material imply approval of this publication or its staff, or by the IMSA and its committees. Use of any material either in whole or in part contained in this issue is forbidden without the written consent of the publisher.

Newsletter

Lambert Philadelphia

Technical Writers / Contributors

Rob Declair, Michael B. Flanigan, Royston Spencer, Jim Pendlebury, Uthayan Thurairajah, B.A.Sc., M.Sc., LC, & Ousama Shebeeb, P.Eng.



PEDTRAX



- Pedestrian speed data can help improve signal timing efficiency
- No additional setup required

iteris

- Provides automated bi-directional pedestrian count data
- Provides automated bi-directional pedestrian speed data
- Works on existing new generation Edge® and VantageNext® platforms
- On-screen data display and available bin data
- Included with all new Vantage video detection systems
- Field-upgradeable for latest Vantage hardware platforms

Ontario Head Office: 416-849-2228 Bc office: 604-800-3393 www.thegetgoinc.com
 Sales representative: Sales representative: Toll Free: 888-883-5838
 Alex Godfrey (Cell): 416-458-7773 Brian Levine (Cell): 604-346-6128

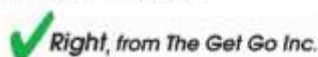
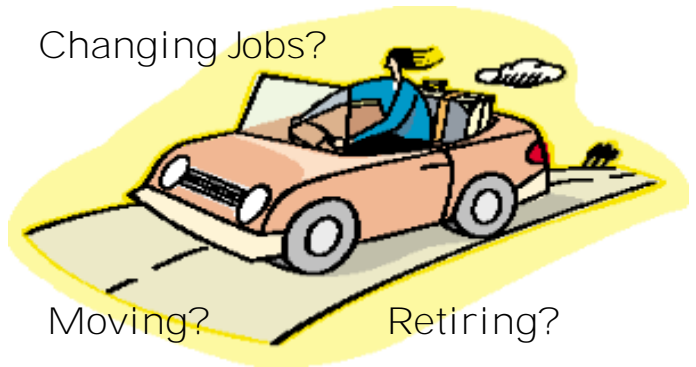


Table of Contents

President's Message. Page 2.
 Obituary - Frank Hudson. Page 6.
 Traffic Signal Railway Interconnection 2 Day Workshop. Page 8.
 East Region Technical Session & Trade Show. Page 10.
 On-Site Certification. Page 12.
 Membership Information. Page 13.
 Cover Photo. Page 13.
 Traffic Related Websites. Page 14.
 ITE Discussion Paper on - Locating Ped Buttons for Visually & Hearing Impaired. Page 16.
 Important Information for our Advertisers.
 2017 Annual General Meeting of the Members. Page 27.

Changing Jobs?



Moving?

Retiring?

Let us know of any change in information.

COMING EVENTS

2017
 Mark Your Calendar

East Region Technical Session
 & Trade Show
 (See page 10 for details.)

Traffic Signal Railway
 Interconnection
 (See page 8 for details.)



Orange traffic⁺

Optimizing **fluidity**
and **safety** on the roads
in an **innovative** way.

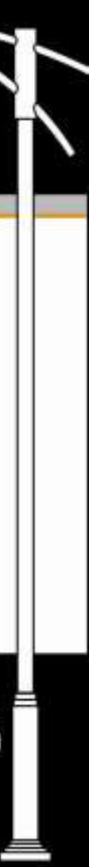
For more information about our solutions and products
1 800 363-5913 ext 109 orangetraffic.com

ALUMINOUS[™] LIGHTING PRODUCTS

- AREA LIGHTING
- ROADWAY LIGHTING
- TRAFFIC LIGHTING
- FLAG POLES
- ACCESSORIES
- CUSTOM PRODUCTS

114 Healey Rd., Bolton, ON L7E 5R2
P: 905-857-8100 1.877.625.7240

Contact: sales@aluminous.com
www.aluminous.com



EXPERIENCE THE

its ADVANTAGE

Best-in-Class Traffic Control Products & Systems
for Over 15 Years



INNOVATIVE TRAFFIC SOLUTIONS INC.
ISO 9001:2008 TF: 1-877-880-5872 • www.its-traffic.com

Real Life. Real Solutions.



Controllers



Detection



ATMS & Adaptive



Signals & Cabinets



Components

Econolite Canada proudly offers transportation management solutions including traffic controllers, detection, ATMS and adaptive traffic control, signals and cabinets, and cabinet components.

To learn more, contact us at sales@econolite.ca, or call 800-661-7226.





Specializing in:

- Highway Lighting Installations
- Airport/Runway Lighting Installations
- Traffic Signal Installations
- Freeway Traffic Management Systems
- High Mast Lighting Installations
- Municipal Lighting Installations
- Parking Lot Lighting Installations
- Site Servicing Contracts
- Relamping Contracts
- Electrical Maintenance Contracts

2960 Markham Road, Scarborough, ON M1X 1E6

Phone: (416) 742-8900 Fax: (416) 746-1920

ADVERTISING SPACE AVAILABLE

Business Card	\$200.00 per year
Quarter Page	\$350.00 per year
Back Page	\$250.00 *
Half Page	\$550.00 per year

* Limited to one publication per advertiser plus the yearly advertising subscription fee plus HST

Contact: Richard (416) 620-9896



Obituary

Frank Hudson

On March 24, 2017, after a lengthy illness, Frank Hudson passed away in his 84th year.

Frank together with his partner and brother Bent purchased Stacey Electric from Jack Stacey. They opened the new doors to Stacey Electric on July 4, 1961 at 350 Greenwood Avenue, just south of the TTC rail yard in east end Toronto. They kept the Stacey Electric name since there was just no sense in forsaking over fifty years of tradition. Over the following years, Stacey Electric kept growing and many of those in the traffic signal industry were familiar with Stacey Electric, especially in the Toronto area.

Frank leaves behind his wife Sonia, children Wendy (Kira) and Kirk (Nathan, Adam), brother **Bent, 3 cats and a sailboat "Plum Danish"**. Frank loved to travel and his passion was sailing. A remembrance celebration was held on June 11, 2017 at the Ashbridges Bay Yacht Club, Toronto.

He will be greatly missed.



Polefab is the industry leader of the Sectional Pole, used by MTO & Regions across Canada & the US for over 60 years. Polefab is now a supplier of octagonal Metro Traffic poles, Arms and Pre Set anchors for the Traffic Industry.

Polefab has expanded our offering to include commercial poles, round tapered, straight tube poles of all sizes and a decorative line. Contact us for more information at sales@polefab.com, or 844-216-7414.

- Sectional MTO/Regional Poles
- Octagonal Traffic Poles
- MTO roadway octagonal poles
- Pre set anchors
- Lowering Devices
- Highmast poles
- Round tapered parking Lot poles
- Solar Poles, Panels, Fixtures & Batteries
- Square & round tube poles

The only safety tested poles in the industry in conjunction with the University of Waterloo, with patented safety insert system.

Call today for details or information session at your facility on how Polefab can help you.



Polefab Inc.
21 Sales Drive W
Sharon, Ontario
L0G-1V0
844-216-7414



Electrical Construction and Maintenance

Industry * Commerce * Traffic

Highway Lighting
 Airport Lighting
 Pavement Markings

24 Hour Radio Dispatched Service

www.guidelectric.com

Toronto

470 Midwest Road

Toronto, Ontario M1P 4Y5

Phone: (416) 288-8222 or 1(800) 387-6087

Fax: (416) 288-0769

www.atstrafficgroup.com



Solutions for Traffic

Solutions for Parking

Solutions for Industry

- LED Traffic Signals • Wireless/Radar Vehicle Detection • Loop detectors
- Breakaway Sign Supports • LED/Road Signs & Lights • Proximity Card Readers
- Barrier Gates • Shelters • Over Height Vehicle Detection

ATS Traffic Group, PO Box 85017
 Toronto, ON M9C 5N4

Tel: 519-803-5503 Toll Free: 1-855-803-5503

Fax: 708-440-1326

Email: scottm@atstrafficgroup.com



Weinmann Limited

211 Courtwright Street
 Fort Erie, Ontario.

P 905.871.5710 * F 905.871.6786

Celebrating 50 Years in Business

Industrial, Commercial and Institutional

ELECTRICAL and CIVIL

Infrastructure Installations

Low to high voltage installations * Advanced Traffic Management Systems (ATMS) * Fibre Optic Networks
 * CCTV Traffic Monitoring Systems * Intersection Signalization * Street Lights * Maintenance

Directional Drilling * Concrete Work * Foundations

For further information – info@weuil.com

www.weinmannlimited.com

COORDINATED TRAFFIC SOLUTIONS

Quality - Experience - Service

Specializing in Signal Timing and Traffic Operations

David Booker, CET, TSOS

Phone: 905-868-4716

Fax: 905-476-0042

E-mail: coordinatedtraffic@gmail.com

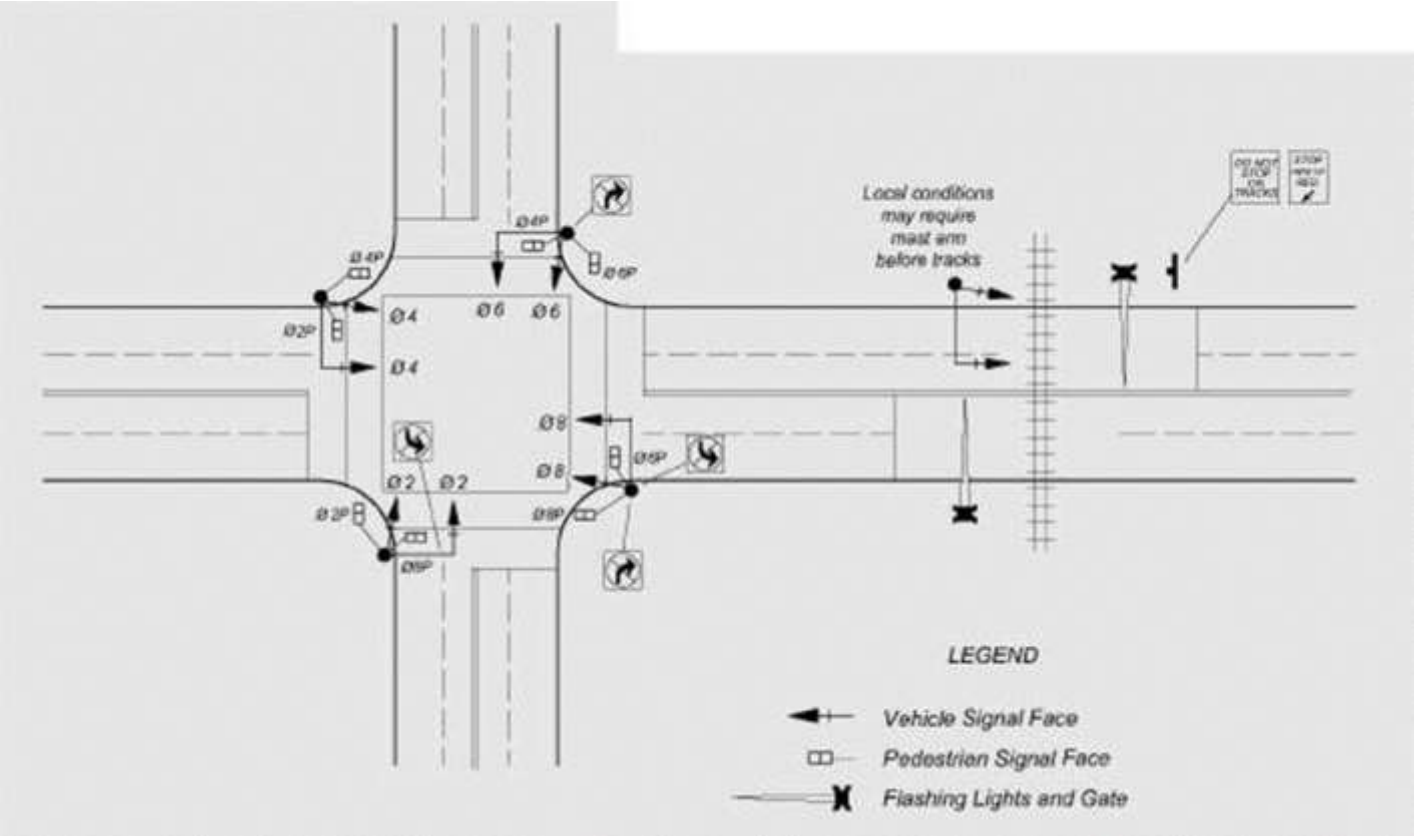
Web: coordinatedtraffic.com



Traffic Signal Railway Interconnection 2 Day Workshop


Tentative Date: October 17 – 18, 2017

Details to follow in the next edition of the newsletter and check our website for updates



Pics from the AGM





Moving Traffic and People

30+
EXPERIENCE COUNTS.

- Traffic Control Systems
- Traffic Signals
- Pedestrian Signals
- LED Modules
- Controllers & Cabinets
- Audible Peds (APS)
- Detection Devices
- Pre-Emption Systems
- Automatic Video Detection Systems
- Ethernet Over Copper

Fortran Traffic Systems Limited
470 Midwest Road
Toronto, ON M1P 4Y5
Tel: 416-288-1320
Toll Free: 1-800-387-4555

www.fortrantraffic.com



President's Message continued ...

... take on some of the tasks that are necessary for the smooth operation of our Section and to serve you better. As always, we will continue with our annual school in Burlington in the spring of 2018, and other on-site schools throughout the year. This fall we will be holding a small Trade show in Kingston, our Annual Traffic Expo on October 4th in Brampton and a two-day seminar on Railway Pre-emption in Burlington in October.

The summer is traditionally the time most of us vacation. I hope that you take the time to enjoy your much deserved time off. I look forward to another great year for IMSA Ontario.

Until the next time, be safe and enjoy your summer!!

Dave Edwards



IMSA Ontario

East Region Technical Session & Trade Show

Location: Kingston

Date: September 2017

Details to follow in the next edition of the newsletter and check our website for updates.

In the mean time, please contact Paul Webster: paul.webster@ontario.ca if you have a technical topic that you would like to be considered.

COMMITTEE CHAIRPERSONS

GOVERNANCE Rob Declair	AUDIT Rui Senos
NEWSLETTER Lambert Philadelphia	TRAFFIC EXPO Iain Myles
ADVERTISING Richard Chaikoff	MODERATORS & PROGRAMS Araon Swartz
CERTIFICATION (Vacant)	



Beacon WE ARE SAFE
 Utility Contractors Limited ACCOUNTABLE RELIABLE EXCEPTIONAL
 Licensed Electrical Contractors since 1997



Specializing in:
 Municipal / Highway Traffic Control Signals
 Commercial Electrical Site Servicing
 24hr Maintenance and Dispatch
 High Voltage Installation
 Street Light Installation
 Loop Detectors



270 Rodinea Road, Maple, ON, L6A 4P5, Canada
 Phone : 416 743 4700, Fax : 416 743 4701
 www.beaconutility.com

Real Life. Real Solutions.



Controllers



Detection



ATMS & Adaptive



Signals & Cabinets



Components

Econolite Canada proudly offers transportation management solutions including traffic controllers, detection, ATMS and adaptive traffic control, signals and cabinets, and cabinet components.

To learn more, contact us at sales@econolite.ca, or call 800-661-7226.

econolite.ca



ECONOLITE
CANADA INC.



TM3 Inc.
 FULL SERVICE ELECTRICAL CONTRACTORS

- Traffic Signals
- Street Lighting
- Parking Lot Lighting
- LED & Solar Installations
- Substations
- Construction & Maintenance
- Multi-Trade Services

WE'RE ON CALL 24/7
 519.650.8777 | tm3inc.com



SMARTCYCLE iteris®

Bicycle Differentiation Via Video Detection

- Differentiate bicycles from vehicles
- Provide extension time for bicycles to cross intersections safely
- Bicycle counting
- Included in all Iteris Vantage Video detection at no charge

Ontario Head Office: 416-849-2228 Bc office: 604-800-3393 www.thegotgoinc.com
 Sales representative: Sales representative: Toll Free: 888-883-5838
 Alex Godfrey (Cell): 416-458-7773 Brian Levine (Cell): 604-366-6128



Right, from The Get Go Inc.

On-Site Certification

Once every year, IMSA Ontario provide certification opportunities in every Certification Program that we offer. Many students usually attend our school, but we know for some it is sometimes difficult to secure the budget to send your employees. For these situations we are offering an alternative.

The alternative is what we call On-Site Certification. This is where we will come to you and present the specific certifications you require. We have been doing this a few years and lately we have successfully completed more of these schools. These schools can be tailored to your needs and student numbers. We have presented these in hotel facilities, banquet **facilities or in the contractor's boardroom** – we even did one in the Contractors shop area / garage! We can tailor these courses to run consecutive days or if it makes sense for your operation, we can split up the days to run over several weeks. We are very flexible however, the costs for the program will vary depending on the number of students per certification program or renewals and who provides the meeting facility and refreshments.

Your best bet to keep costs down is to provide the meeting facility and refreshments. Alternately, students can provide their own refreshments and lunch. Generally we found that when the numbers of students is in the 10 student range, it can be very cost effective.

You could also combine training with other local municipalities or contractors in your area.

If you're interested in pursuing an on-site school please contact your IMSA Ontario Trillium Section Regional Director listed on page 3 in this newsletter for more details.

Robert Declair



Specializing in
Electrical/Civil
Installation and
Service of:

- Municipal/Highway Lighting
- Traffic Signals/Traffic Control
- Loop Detectors
- Temporary Electrical Services
- Underground Utilities

FELLMORE
Electrical Contractors Ltd.

Tel: 905.669.2008 Fax: 905.669.0383
200 Bradwick Drive, Concord, ON L4K 1K8
fellmore.com

Serving with dedication and excellence since 1966

PARSONS

**Optimize. Integrate.
Unify.**

Deploying ATMS
and ITS Solutions
Across Canada

www.parsons.com Parsons PLUS envision more

Cover Photo



A parade of golf carts symbolizing the start of the Annual IMSA Ontario AGM.

Membership Information

The I in IMSA stands for International and the International or Head office is in Rockledge, Florida. All membership dues are paid to the International office IN US FUNDS. The address and amount are on your renewal invoice.

Join, update your information or renew your membership easily online at:

www.imsasafety.org

Questions??? Call 1-800-723-IMSA

Ask for Sharon Prutsman

membership@imsasafety.org

Newsletter Article Submission

2017 Edition Deadline

Fall 2017

October 15

Intelligent solutions...

*for today's
urban transportation challenges!*



Traffic



Intelligent
Transportation (ITS)



Parking



LED Lighting
& Display



Roadway Security

electromega

Quebec • Ontario • Alberta • British Columbia
www.electromega.com



DUCON Utilities Ltd

Electrical Contractor

STREET LIGHTING

AND

TRAFFIC SIGNAL

Design

Installation

Maintenance

Troubleshooting & Repair

986 Cumberland Avenue

Burlington, Ontario L7N 3J6

Phone: (905) 634-2235

Fax: (905) 634-2585

TRAFFIC RELATED WEBSITES

3M - www.3m.com

Alpha Technologies - www.alpha.ca/imsa

Aluminous Lighting Products -
www.aluminous.com

AMG - www.amgmetals.com

Beacon Utility Contractors Ltd. -
www.beaconutility.com

Black & McDonald -
www.blackandmcdonald.com

C.I.T.E. - www.cite7.org

Coordinated Traffic Solutions -
www.coordinatedtraffic.com

Dundas Power Line Ltd. -
www.dundaspowerline.com

Econolite Control Products - www.econolite.ca

Electromega - www.electromega.com

Epcor - www.epcor.ca

Ewing Traffic & Lighting Products
www.ewinggroup.com

Fellmore Electrical Contractors Ltd. -
www.fellmore.com

Fortran Traffic Systems Ltd -
www.fortrantraffic.com

GGI - Road & Traffic - www.thegetgoinc.com

Guild Electric Limited - www.guildelectric.com

Impulse Technologies -
www.impulsetechnologies.com

I M S A International - www.imsasafety.org

I M S A Ontario - www.ontario.imsasafety.org

I.T.E. - www.ite.org

Intelligent Transportation Systems (SIEMENS) -
www.itssiemens.com

ITS Canada - www.itscanada.ca

Innovative Traffic Solutions Inc. -
www.its-traffic.com

Lanelight - www.lanelight.com

LineTech Design & Mfg. Ltd. -
www.linetechdesign.com

Metallifer - www.metallifer.com

Ministere Des Transports Du Quebec -
www.mtq.gouv.qc.ca/index_en.html

MMM Group - www.mmm.ca

Moon-Matz Ltd. - www.moon-matz.com

Naztec - www.naztec.com

Novax Industries Corp. - www.novax.com

NTCIP - www.ntcip.org

Ontario Good Roads Association - www.ogra.org

O.T.C. - www.otc.org

Parsons. - www.parsons.com

Peek Traffic - www.peek-traffic.com

Polefab Inc. - www.Polefab.com

Sentinel Traffic - www.sentineltraffic.com

Solar Signals - www.solarsignals.com


Tacel Ltd. - www.tacel.ca

Trafco (Canada) Ltd. www.trafco.ca

Valmont West Coast Engineering -
www.valmontwce.com

quality & affordability


Traffic Control Equipment



- TRAFFIC MANAGEMENT SYSTEMS
- TRAFFIC CONTROLLERS
- TRAFFIC SIGNAL HEADS & LEDs
- BATTERY BACK-UP SYSTEMS
- DETECTION SYSTEMS
- PREEMPTION SYSTEMS
- TRAFFIC HARDWARE
- PEDESTRIAN CROSSWALK FIXTURES & CONTROLS

DISTRIBUTORS FOR:
 INTELIGHT, GE LIGHTING
 ALPHA, CARMANAH, FLIR
 POLARA*, E-VIEWS, EDI
 EDCO, SENSYS NETWORKS*

* Available in Eastern Canada Only



**100 % Canadian
Owned & Operated**

HEAD OFFICE: 1-877-750-4646
 QUEBEC OFFICE: 1-866-552-9997
 WESTERN OFFICE: 1-587-350-6430

ISO 9001:2008 Certified

www.tacel.ca info@tacel.ca



ACROW-RICHMOND
 THE HIDDEN STRENGTH™
 LA FORCE CACHÉE
 Since 1958

PRESET ANCHORS

- Simplified & Secure Installation
- Fully Galvanized Per ASTM-A153
- Multiple Configurations
- Field Adjustable
- Certified & Specified Designs

MADE IN CANADA

AVAILABLE AT:



1-888-777-9272
www.nca.ca



RFQ Form



Moon-Matz Ltd.

Consulting Engineers



Structural

Mechanical

Electrical

2902 South Sheridan Way, Suite 300
 Oakville, Ontario L6J 7L6
 Tel: (905) 274-7556 Fax: (905) 274-5382
 Web: www.moon-matz.com



IMSA®

Your Partner in PUBLIC SAFETY

 Ontario Trillium Section

NORTH LINE Canada Ltd.

HOPUS VIEW

PORTABLE INTERSECTION TURNING MOVEMENT COUNTER VIDEO SYSTEM

**1 CAMERA - 4 APPROACHES
TURNING MOVEMENTS DONE IN YOUR OFFICE**

Safety First, Get Off The Road!

GLOBAL TRAFFIC MONITORING

Temporary or Permanent Vehicle Data Collection: Volume, Speed, Length Classification, Gap & Headway

2 Lanes - Same Direction or Bi-Directional



CA Traffic BlackCat

- Reliable USB Communications
- Standard Bluetooth Connectivity
- Optional Wireless IP Modem For Direct Office Access

North Line Canada Ltd.
 44 Deerfoot Trail Burnsville, ON P1H 8A6
 Tel: (705) 789 2900 Fax: (705) 789 8798
 Bernie@northlinecanada.com
 www.northlinecanada.com

ITE Discussion Topic on - Locating Ped Buttons for Visually & Hearing Impaired

Mr. Daniel M. Murphy
Hi Everyone:

I have received a request from an individual who is hearing impaired and visually impaired. The intersection in question have APS buttons installed however, because the individual cannot hear they are having difficulty locating the button to cross the street. The individual thought painting the bottom of the poles with buttons black may help. I was thinking that wrapping the button of the poles with sheeting might be better for future maintenance and be more uniform. I am inclined to go with black as they probably know what colour will help them best.

Have others had a request like this? How was it handled?

Thank you,
Dan

Responses:

Thanks for the response. To confirm the problem this individual is having; is locating the buttons. The individual has no hearing and has very low vision. There are the APS buttons with the vibrotactile walk, arrows pointing in the direction of crossing and the locator tone. The button locations are within 6 feet of the curb opening at the crosswalk and within 10 inches of a level surface as required but there is a mast arm pole that is further from the crosswalk on 2 corners which may be the confusion. Some of the buttons are not 10 feet apart due to utility conflicts and right-of-way issues but are still in line with their respective ramps, this was an alteration to assist the individual in determining when the walk light was on.

It the power is out the buttons won't work so I am not sure how much of a concern that is, but I also agree that the black isn't the best colour in mind, just the colour that has been requested.

Just looking to try to determine how best to help this person. I am attempting to get more information from them as well.

Thanks again,

Daniel Murphy, P.E.
Milwaukee County DOT
Wauwatosa WI
daniel.murphy@milwaukeecountywi.gov

Assessible pedestrian signals provide a vibrotactile indication of the WALK (usually the arrow vibrates during WALK) so the person could get the information about when WALK is on. The tactile arrow should be aligned with the direction of travel on the crosswalk. The pole needs to be close to the crosswalk it controls in order for it to be usable by a person with vision and hearing disabilities.

Janet Barlow
Mobil. Spec. & Research Assoc.
Accessible Design For The Blind
Asheville NC
jmbarlow@accessforblind.org

Painting the bottom of the pole black would make it even more difficult to see at night or under other dark conditions, especially in cases of power outage.

If APS button for a desired crosswalk has been installed in accordance with the MUTCD Guidance and Standards in 4E.08 et seq., it should be easy to find it, even for a person with low or no vision, once they have found the pole. It would seem their main challenge is to find the desired pole at each intersection en route--or, perhaps, to identify which among two (or more??) visually similar poles in the immediate area at a given intersection corner is the one with the desired button? Is pole placement inconsistent at the intersection or are other complicating factors present?

If the person can tell, once they've reached it, where the crosswalk is without the ability to hear traffic, presumably they recognize the white crosswalk markings, or can at least detect the pattern they present, and can tell (reasonably well) when it is appropriate to begin crossing. If so, they should be able to spot a high contrast pattern on the bottom-most portion of the pole, e.g., a horizontal white/reflective stripe bordered above and below by dark sections; if the pole is already painted a dark colour, all that would need to be added would be a white / reflective stripe.

Continued on Page 18

RRFB
RAPID FLASHING BEACON
CROSSWALK SYSTEMS

Ontario
Bylaw
15
Ontario
Traffic
Manual

TAC
Approved Crossing Device

LaneLight.com

5 YEAR WARRANTY

1-866-466-4836 Made in Canada

EWING

TRAFFIC & LIGHTING PRODUCTS

Iain D. Myles P.Eng. P.Mgr
idmyles@ewinggroup.com

Tel 905-666-5600 x233 800-268-3524
Fax 905-666-5646
Mobile 647-966-1675
1445 Hopkins Street, Whitby, Ontario L1N 2C2

TELEPHONE (519) 884-2330
INSTALLATION OF TRAFFIC SIGNALS AND LOOPS
OUTDOOR LIGHTING

Enasco Limited

ELECTRICAL POLELINE CONTRACTORS
P.O. Box 486, R.R. 3
Waterloo, Ontario N2J 4A9
"24 Hour Service" Fax (519) 884-8956
Ed Muegge

valmont
WEST COAST ENGINEERING

A Leading Manufacturer and Supplier of:

- Street & Roadway Lighting Structures - Steel or Aluminum**
MTO/OPS/DSM Municipal & City Approved
Poles, Arms, Frangible Bases, & Copper Stopper
Custom, Decorative, & Architectural Solutions Available
- Traffic & Transit Structures - Steel or Aluminum**
MTO/OPS/DSM Municipal & City Approved
Poles, Traffic Mast Arms, 8000 Series, & Sectional Steel
Custom, Decorative, & Architectural Solutions Available
- High Mast Lighting Systems**
Professionally Engineered Structures
MTO Approved Raise & Lower Devices
Internal or External Drive Systems & Anchor Assemblies
- Roadway Sign Support Structures**
Cantilever, Tri-Chord, & Monotube, Static Sign Supports
Changeable Message, VMS Structures, & Monopoles
Compliant to MTO Sign Support Manual or Custom

Conserving Resources. Improving Life.

1 (800) 645-1664 valmontstructures.ca

Impulse Technologies Ltd.

*The First Name, When It Comes To
Traffic Signal Wire Requirements*
Call 1(800) 667-5475
Traffic Signal Cable

Runner
MTO O.P.S.S. 2409 4/7/12 & 19 conductor
IMSA 19-1C 4/7/ 12 & 19 conductor

Riser
MTO O.P.S.S. 2409 #14 (19) 5 & #14 (19) 7 Conductor

Loop Detector Cable
MTO O.P.S.S. 2410 #14/2 conductor shielded

Interconnect Cable
MTO O.P.S.S. 2406 #16/6 pr.IMSA 19-2 (Aerial), 20-6 (Burial)

Home Run and Loop Lead-in Cable

A Stocking Distributor For All Your
Wire and Cable Needs

920 Gana Court, Mississauga, Ontario L5S 1Z4
Phone (905) 564-9266 Fax (905) 564-9398

106 - 1135 64th Avenue SE, Calgary, Alberta T2H 2J7
Phone (403) 212-7113 Fax (403) 212-7148

www.impulsetechnologies.com

ITE Discussion Topic on - Locating Ped Buttons for Visually & Hearing Impaired continued ...

The pole with the button shouldn't be made more conspicuous than the crosswalk the button controls; that wouldn't be helpful. It still isn't clear to me how a person could (1) tell where a crosswalk was well enough to cross the street in it and (2) tell (i.e., without the ability to hear an audible message provided by the APS) when the WALK signal on the opposite side of the street had illuminated, yet have continuing difficulty finding the pole with the desired button in the first place.

Dwight Kingsbury
Safety Analyst
Tallahassee, FL

[dwightkingsbury@floridastate.com](mailto:dwrightkingsbury@floridastate.com)





MTO Approved

Manufacturers of:

- Pre Set Anchorage Assemblies (Typical Anchors are Stock Items)
- Sectional Steel Light Poles (Stock)
- Sign Structures
- Bridge and Pedestrian Railings

AMG Metals Inc.

Brampton Tel: 905-453-6113 Fax: 905-453-9664	Newmarket Tel: 905-953-4111 Fax: 905-953-0844
-----------------------------------------------------------	------------------------------------------------------------

www.amgmetals.com



Trafficware Canada

Now serving the Canadian market direct

- Cabinets
- Controllers
- Pod Detection
- Synchro
- ATMS.now



To learn more about Trafficware's products visit www.Trafficware.ca dial **705.539.0700** email Sales@trafficware.com

Engineered by **Naztec**

Black & McDonald

Your Single Source for Construction and Maintenance

Industrial - Commercial - Institutional - Utilities & Government Clients



A Tradition of Quality... since 1921

31 Pullman Court, Scarborough, Ontario M1X 1E4
Telephone: (416) 366 2541
www.blackandmcdonald.com

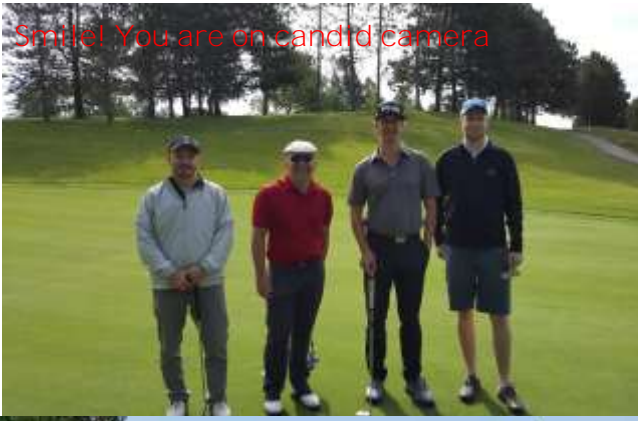


PM Castings Ltd.
ALUMINUM CASTING SOLUTIONS

- SINGLE SOURCE SUPPLIER OF BRACKETRY, AND RELATED PRODUCTS TO THE TRAFFIC SIGN AND SIGNAL MARKET.
- ABILITY TO MANUFACTURE CASTINGS AND ASSEMBLIES TO CUSTOMER AND DEPARTMENT OF TRANSPORTATION SPECIFIED REQUIREMENTS/SPECIFICATIONS.
- CAPABILITY FOR CUSTOM PRODUCT DEVELOPMENT FOR ANY OF YOUR TRAFFIC NEEDS. FROM CONCEPT TO PRODUCTION.

Contact Details:
PM Castings Ltd.
6078 Netherhart Road, Unit#20
Mississauga, Ontario L5T 1M6
Canada
Tel/Fax: 1-905-670-4353
Email: info@pmcastings.com

Smile! You are on candid camera



ONE STOP TRAFFIC SHOP!

TRAFFIC
HARDWARE
+ DESIGN

We stock a wide variety of premium quality traffic hardware and supporting products to fit all your needs: Mounting hardware, Poles, Arms, Heads, Signs, Tees & Elbows, Brackets, Banding, Cables and Wire as well as Pole Line Hardware, Concrete Products and various Electrical Supplies and Accessories. Please ask us about custom work and refurbishing. Options for both delivery and pick up available.

1641 Trinity Drive
Mississauga, Ontario, L5T 1K4
www.traffichardware.com
(905) 870-3444



Your Partner in PUBLIC SAFETY

Ontario Trillium Section



solarsignals

Design & manufacture of remote site power systems



- Solar powered area & street lighting.
- Solar powered pedestrian crossing systems.
- Solar powered rural road intersection signals.
- Speed Radar.
- Solar powered school zone flashers
- Wirelessly triggered advisory signals.
- Solar powered vehicle overheight systems.
- Refurbishing trailered variable message signs.

Solar Signals is listed on the MTO DSM

We Power the future

info@solarsignals.com • 613 634 9116
764 Baker Cr. Kingston, Ont
www.solarsignals.com



"Protecting Those Who Protect Us!"
Emtrac Systems.com

EMTRAC Systems™ Emergency Vehicle Preemption (EVP) and Transit Signal Priority (TSP)

Benefits of EMTRAC Systems™ GPS System

- GPS Priority Management System uses latest technology to ensure accuracy and reliability
- 900 MHz Radio does not require line-of-sight communication which ensures preemption requests are received
- Superior communication range allows typical approach zones up to 3,600 feet
- System enhancements provide for Collision Avoidance between vehicles approaching same intersection
- Real Time AVL of all equipped vehicles at Central Monitor
- Virtual Zone design ensures specific check in and checkout points at each approach to the intersection
- Priority Management for all Municipal Equipment – Fire, EMS, Police, Bus, LRV and Snow Plows

Benefits of EMTRAC Systems™ Optical System

- Two and Four Channel Universal Optical Priority Cards
- Priority Cards are interchangeable with competitors equipment
- Compatible with major brands of Optical Emitters
- Full array of Sensors that are interchangeable with competitors
- Transition from Optical to GPS with the Emtrac Dual Card
- Encoded or Non-encoded priority requests
- Compatible with all major brands of NEMA and 170/2070 controllers
- Records vehicle-request activity, logging each event by request type

To learn more about how EMTRAC Systems™ can benefit your agency, please contact: Scott Sherlock (416) 818-2859
ssherlock@emtraccanada.ca

Some avid golfers showing us how to play the game.



IMSA
Your Partner in PUBLIC SAFETY
Ontario Trillium Section
Says Thanks to...

our Breakfast Sponsors

Aecon

AGI Traffic Technology

Guild Electric

Sentinel Pole & Traffic Equipment Ltd.



Complete Back-up Power for Traffic Signal Control!

Alpha Technologies are the experts in providing complete back-up power solutions specifically designed for harsh and demanding outdoor traffic applications.



We offer state-of-the-art, ruggedized outdoor enclosures, true uninterruptible power supplies (UPS), transfer switches, batteries and accessories that provide traffic signal control systems with reliable, conditioned power at a low operating cost.

With over 30 years experience in power and millions of installations worldwide, Alpha can supply the ideal solution for your intersection controls.

Call us for more information or visit us online today.

Battery backup system featuring Alpha Outdoor Enclosure Side Mount 6 & FXM 1100 UPS model

Toll free 1-800-667-8743
Direct 604-436-5900
www.alpha.ca/imsa



Dundas Power Line Ltd

Overhead & Underground Power Line Installations, Live Line Maintenance, Street Lighting, Telecommunications & Rock Drilling

Frank Heerkens

Toll Free: 1-800-566-4165
Office: 613-448-3400
Fax: 613-448-1400

13564 Hwy 43, R.R. #1
Chesterville, Ontario
K0C 1H0

website
www.dundaspowerline.com

email
info@dundaspowerline.com

SENTINEL

Pole & Traffic Equipment Limited

Established in 1985



Traffic & Streetlight Products



Signal & Sign Mounting Products



Specialty Products

Leading supplier of Traffic and Roadway Lighting products and related accessories.

A supplier of choice to Provincial Governments, Regional Municipalities, Cities, Counties and Maintenance Contractors, we carry a large inventory of high quality items such as Poles, Arms, Mounting Hardware, Sign and Signal Mounting Brackets, and a variety of other custom products to meet your needs.

We are members of the International Municipal Signal Association (IMSA) and suppliers of OPS approved products.

375 Admiral Blvd, Unit 3, Mississauga, ON

| 905.564.2929

| www.sentineltraffic.com



Images from the AGM





Newly elected IMSA Ontario President Dave Edwards, giving his acceptance speech at the AGM



Métallifer

→ YOUR SUPPLIERS OF
SIGN POST
ACCESSORIES
ALUMINIUM SHEETS
WWW.METALLIFER.COM
1 800 463 7210
info@metallifer.com



2017 Annual General Meeting of the Members.

Hi All:

On June 15, 2017, we held our Annual Meeting at Glen Eagle Golf Club in Bolton. Since we were in the neighbourhood, we had a little golf event to start things off on the right foot.

The day began with a hot buffet breakfast which was sponsored by a number of our supporters. It needs to be said that the food was hot, plentiful and delicious. Just what is needed to start the day off, and with a round of golf immediately after, how does it get any better. I would like to take this opportunity to thank our breakfast sponsors in this great endeavour. We thank you, we thank you so very much.

All told, there were about 40 golfers, which is about the number that usually participates. From all reports, it was a great opportunity to network with peers and share the thrill of the perfect shot (not any of those in my foursome) and express the colourful language that is not often heard other than on the golf course.

For the last few years the weather that we had was perfect. Sun and heat prevailed. This year it was almost just as perfect. Not quite so hot, not quite so sunny and the rain held off until the golfing was done.

At the clubhouse, Members and friends gathered to enjoy a steak sandwich lunch. Once again we used our branding iron to make the IMSA mark on three steaks prepared in the kitchen and randomly distributed to the lunch participants, with a collapsible cooler bag being the reward. This is a nice way to start off the business meeting. Lunch was provided free to Members of IMSA, a thank you gesture from the Section.

Now down to business.

It is necessary for the Members of IMSA Ontario Trillium Section to replace the new Board of Directors. A while back we asked for nominations from the membership for available positions on the **Board. The next step was to arrange for an "advance poll."** This was done through an online process and all eligible Members were invited to vote. The actual election occurred at this meeting, with a number of Members present voting. Once elections were

closed, the tally from the elections and the advance poll were combined to establish the new Board. These results can be found on page 3 in this newsletter.

The business meeting was called to order by current President Shawna Boakes. Her term as President expired at the end of the meeting, her last official day on the job. Although she is not finished yet, she will be moving on into her new role as Past President.

She spoke of the accomplishments of IMSA over the past year and the direction of the Association. Other Officers were called upon to deliver the Financial Report, International Report and so on.

The new Board was sworn in by Richard Chaikoff and the Presidential gavel was passed on to Dave Edwards our new elected President.

Dave took the opportunity to address the Members present and speak to the good work of the Association and where he would like to see it evolve. Communications and building the Membership base were some of the topics that are on his agenda.

With the meeting adjourned, we moved along to the golf prizes. We have to thank all of our supporters / distributors for bringing along and donating a wonderful selection of prizes for winners to choose from. This and all of our events rely on the support of our contractors, distributors and suppliers to the traffic **industry. There has never been a "NO" said from any of them when asked to participate in such an event.** Many, many thanks.

During the meeting the rain poured very hard and by the time the meeting was over, the rain had slowed sufficiently to run to our cars without needing to swim or take a water taxi.

All in all a very successful day. As usual, everyone had the opportunity to catch up with one another and a chance to get away from the daily job for a day of business and fun.

We hope to see you all at upcoming Section events and next year especially at our Annual General Meeting of the Members.

Mike

