Great Lakes Regional Transportation Operations Coalition (GLRTOC)

Lake Michigan Interstate Gateway Alliance (LMIGA)

Annual Work Zone Review
February 3, 2016
GLRTOC Mission & Partners

Founded in 2010

Improve cross-regional transportation operations in support of regional economic competitiveness and improved quality of life.
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<tr>
<th>Agency</th>
<th>Name</th>
<th>Title</th>
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<tbody>
<tr>
<td>Chicago Skyway</td>
<td>Michael Lowrey</td>
<td>Director of Operations</td>
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<tr>
<td>Illinois DOT</td>
<td>Chuck Sikaras</td>
<td>ITS Program Manager</td>
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<td>Illinois Tollway</td>
<td>Scott Kapton</td>
<td>General Manager of Maintenance and Traffic</td>
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<td>Indiana DOT</td>
<td>Ed Cox</td>
<td>Managing Engineer Corridor Operations</td>
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<td>Indiana Toll Road</td>
<td>Robert Ladson</td>
<td>Infrastructure Manager</td>
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<td>Iowa DOT</td>
<td>Scott Marler</td>
<td>Director of Traffic Operations</td>
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<td>Kansas DOT</td>
<td>Kristi Ericksen</td>
<td>Work Zones Manager</td>
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<td>Kentucky Transportation Cabinet</td>
<td>Jason Siwula</td>
<td>Innovation Engineer</td>
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<td>Michigan DOT</td>
<td>Tony Kratofil</td>
<td>Metro Region Engineer</td>
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<td>Ministry of Transport Ontario</td>
<td>Peter Armoogam</td>
<td>Traffic Management Supervisor</td>
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<td>Minnesota DOT</td>
<td>Steve Misgen</td>
<td>Metro RTMC Engineer</td>
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<td>Missouri DOT</td>
<td>Julie Stotlemeyer</td>
<td>Traffic Liaison Engineer</td>
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<td>Ohio DOT</td>
<td>John MacAdam</td>
<td>Office of Traffic Operations</td>
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<td>Ohio Turnpike</td>
<td>tbd</td>
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<td>Wisconsin DOT</td>
<td>Don Gutkowski</td>
<td>Director of Traffic Operations</td>
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Affiliates include FHWA, MAFC, UW-Madison
Lake Michigan Interstate Gateway Alliance (LMIGA)

- Founded 1993
- Since 2006, broader operations and geographic extent
- Focus on traffic operations along major corridors in the greater Chicago region to improve safety and mobility
- Ongoing coordination between GLRTTOC and LMIGA
Strategic Focus Areas

1. Efficient freight operations
2. Reliable mobility
3. TIM / ETO
## Current Project Areas

### Work Zones
- Annual High Impact Work Zone Review
- Online Work Zone Mapping Application
- Work Zone Monitoring (Bluetooth)
- Smart Work Zones Best Practices

### Traveler Information
- Gateway Expansion
- Gateway Enhancements
- Incident Alerts

### Connected Centers
- Systems Engineering
- Operations Centers Profiles
- Operations Centers Information Exchange
- Gateway Automated Incident Response System (GAIRS)

### Performance Management
- MAP-21 Performance Measures
- Freight Mobility
- Work zone and weather impacts
- Monthly Reporting
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Work Zones

- Annual High Impact Work Zone Review
- Online Work Zone Mapping Application
- Work Zone Monitoring (Bluetooth)
- Smart Work Zones Best Practices

- Annual review first Wednesday of every February
  - Through February 2017
- Supported by mapping application
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- Annual High Impact Work Zone Review
- Online Work Zone Mapping Application
- Work Zone Monitoring (Bluetooth)
- Smart Work Zones Best Practices

- Coalition owns 24 Bluetooth detectors
  - Deployed along I-39/90/94 in Illinois and Wisconsin
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- Work Zones
  - Annual High Impact Work Zone Review
  - Online Work Zone Mapping Application
  - Work Zone Monitoring (Bluetooth)
  - Smart Work Zones Best Practices

- Best practices from agency outreach
- Assessed six applications/practices
- July 2015 webinar

- Final report available now

Intrusion Alarm Systems Survey Results

- 40% Established Practice
- 30% Pilot/Tried in Past or Upcoming
- 20% Considering, Discussing, Planning
- 10% None
Scanning Tool
Monthly Performance Reporting

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December 2014

February 1, 2015
I-275 Carroll Cropper Bridge Across Ohio River
33 thousand AADT, 6-month work zone lane reduction
I-275 Carroll Cropper Bridge Across Ohio River

The Mid-America “scanner” reports the major anomaly from probe data through a process control chart algorithm.

- Lane closures start May 4, 2015
- No change in epoch count
- Lesser - but also persistent - effect on 20th %ile speed
- Median speed stays below -10 for many sequential days
Ohio River

I-275 Northbound
Heatmap: 80th %ile Daily Speed
Source: NPMRDS Freight Travel Times

Feb 16 and 21 Winter Weather
Lane Closure Begins
Upcoming Events

February 9: GLRTOC Monthly Business Meeting
(every 2\textsuperscript{nd} Tuesday at 1 pm Central)

April 25-27: ITS Heartland Annual Meeting

June 26-28: ITE Midwest / Great Lakes District Meeting

More at www.glrtoc.org/about/calendar
Great Lakes Regional Transportation Operations Coalition

Online Tour

www.glrtoc.org/about/tour
For more information, please visit:
www.glrtoc.org

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