



**nittec**  
*Travel Smart.*

***Niagara International Transportation  
Technology Coalition***

**Regional and Local TSMO: Learning from the Capability  
Maturity Model**

# NITTEC Coalition

- Established in 1995 with a Federal Mobility Grant

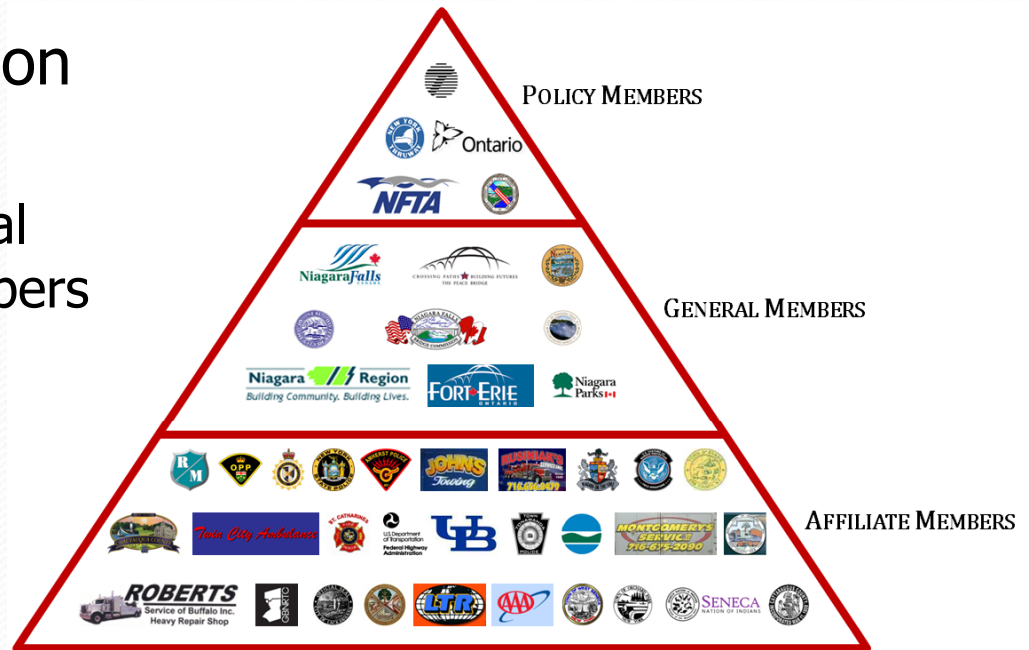
*Mission: To improve mobility, reliability and safety on the regional bi-national multimodal transportation network through information sharing and coordinated management of operations.*

- Regional Collaboration and Leadership
  - Technology Deployment
  - Operations
  - Incident Management
  - Traveler & Traffic Information



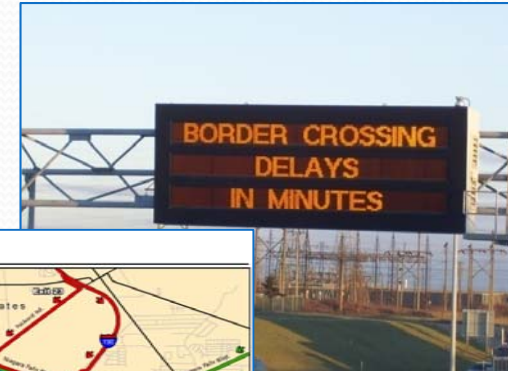
# NITTEC Membership

- Multi-Agency Transportation Operations Coalition
  - 5 Policy Members, 9 General Members, 29 Affiliate Members
    - Transportation Agencies
    - Public Safety and Border Enforcement
    - Emergency Services and Recovery



# NITTEC Leadership

- Board of Directors
  - Overall policy and governance
- Committees
  - Border Crossing
  - Construction Coordination
  - Strategic Planning
  - Traffic Operations Center
  - Technology and Systems
  - Incident Management
    - Western New York
    - Ontario
  - Regional Traffic Signals



# Regional Operation Functions

- Multi-agency Collaboration
- Traveler Information
- Border Traffic Management
- Emergency Management
- Incident Management
- Construction Coordination
- Traffic and Congestion Management
- Weather System Monitoring
- Special Event Planning and Management
- Transportation System Monitoring
- Performance Measures Reporting



# Regional Collaboration – Traffic Management

- Centralized 24/7 operations and traffic management services for bi-national region
- Information Clearinghouse
- Standardized Operations
- Multi-Agency Event Planning and Operations
- Multi-Agency ITS Deployment
- Regional Messaging Standards
- Traffic Management Plans



## NITTEC CMM Timeline

June 5, 2014 – Held Senior Leadership Meeting  
(15 attendees)

- Overview of the research and workshop purpose
- Key dimensions of capability
- Assistant Commissioner, New York Department of Transportation (NYSDOT), Albany, NY on issues or emphasis areas
- Discussion of workshop process and long term commitment to action



## NITTEC CMM Timeline

June 6, 2014 – Held Self Assessment Workshop  
(25 attendees)

- Strengths and Weaknesses
- Capability Maturity Levels
- Priority Actions

September 24, 2014 – NITTEC Board of Directors  
Adopted Implementation Plan

- 7 Action Items





# NITTEC Action Items

## Business Process: Planning and Programming:

Seek opportunities for greater NITTEC involvement in MPO/State/Provincial planning processes for both New York State and Ontario.

Outcome: A document concisely describing NITTEC goals, objectives and priorities. Participation in various planning meetings, including possible membership on various planning committees.

Status: Working on developing a plan and identifying contacts. Using recent grants received by NITTEC and local MPO as a platform.



# NITTEC Action Items

## Systems and Technology

Increase NITTEC participation in Statewide/Province-wide TMC and software systems discussions / decision making process.

Outcome: Consensus membership views on critical issues. Increased participation in State/Province software/TMC deliberations.

Status: Quarterly meetings discuss how to get more involved. Working with NYSDOT Main Office to identify the appropriate meetings/discussions to have NITTEC involved in.



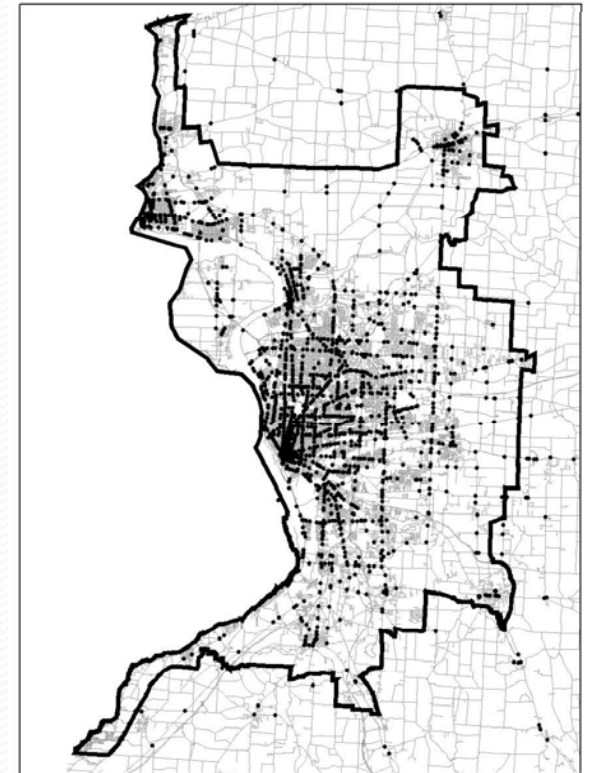
# NITTEC Action Items

## Systems and Technology

Optimally operate arterials.

Outcome: A set of projects/activities for optimal arterial operation across jurisdictional boundaries particularly during emergencies and major incidents

Status: NITTEC Regional Traffic Signal Operations Program (\$75,000) to develop a Regional Plan. Draft of plan is currently under review and to be completed in September.



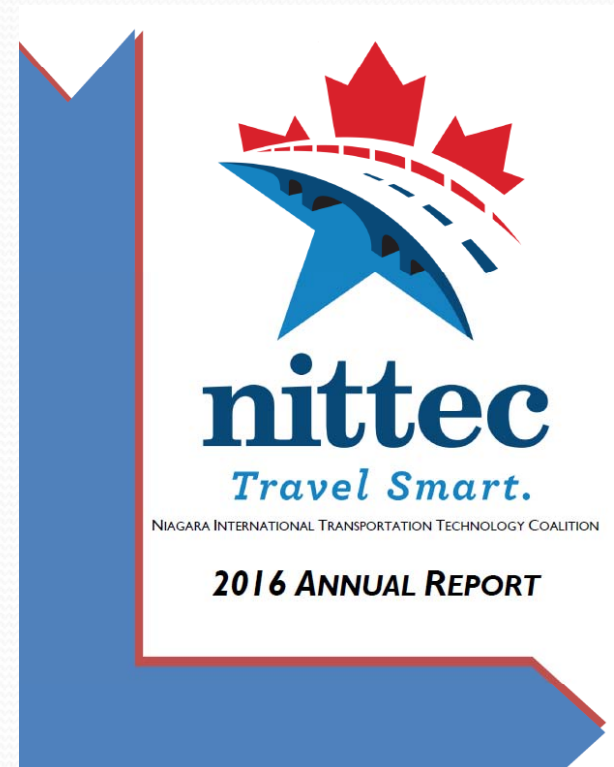
# NITTEC Action Items

## Performance Measurement

Develop a Performance Measurement Plan.

Outcome: TSM&O Performance Measurement Plan that supports the region and member agencies overall approach to performance management.

Status: NITTEC Strategic Plan Update (\$95,000) to update the 2007 NITTEC Strategic Plan. Draft plan currently under review and to be completed in September.



# NITTEC Action Items

## Culture

Develop an Educational Program for internal and external outreach.

Outcome: A set of materials that explain the value of NITTEC's TSM&O Program. Delivery of core messages via various means taking advantage of opportunities.

Status: Part of NITTEC Strategic Plan Update



# NITTEC Action Items

## Organization and Staffing

Develop plan for agency participation including sharing of resources and succession planning.

Outcome: A plan for meeting future NITTEC staffing needs. A plan for sustaining active committee participation, reactivating dormant participants, and enhancing sharing of resources.

Status: Part of NITTEC Strategic Plan Update



# NITTEC Action Items

## Collaboration

Disseminate incident management best practices to local jurisdictions.

Outcome: Increased use of effective incident management by NITTEC and its members.

Status: Funds were used for speaker as part of incident management symposium. Conducted an highway safety training exercise. 2 NITTEC members attended Regional Operations Academy and 1 NITTEC staff attended Systems Engineering/ ITS Architecture training.



## NITTEC Lessons Learned

- Need to engage higher up management.
- Need to increase understanding of TSMO at state level.
- Use the region as a platform to increase awareness at state level.
- Need a template to explain how to use this program and funding.





## Additional Efforts

- Traffic Management Capability Framework Workshop held November 3, 2015
  - 40 Action Items
- Traffic Signal Management Capability Maturity Framework being completed as part of the Regional Traffic Signal Plan.



## Contact Information

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