Nebraska Emergency Transportation Operations / TIM Conference

December 2, 2015

**Planned Special Events and Reliability**

- The estimated 24,000 planned special events of 10,000 attendees or more held each year results in an estimated $40 billion of “in-event” revenue and $160 billion in total economic impact.
- 600 million attendees to these events each year
- If not managed, the result may be
  - Congestion costs of between $1.7 to $3.5 billion
  - Between 93 to 187 million hours in travel delay
  - Excess fuel consumption of between 64 to 128 million gallons

**What is a Planned Special Event?**

- Permanent multi-use venues
  - Sporting events
  - Concerts
  - Festivals
  - Conventions
- Other public events
  - Parades
  - Fireworks displays
  - Bicycle races
  - Sporting games
  - Motorcycle rallies
  - Seasonal festivals
PSE Categories

- Discrete/recurring event at a permanent venue
- Continuous event
- Street use event
- Regional/multi-venue event

Operational Characteristics of Planned Special Events

<table>
<thead>
<tr>
<th>Event Time of Occurrence</th>
<th>Event Operation Characteristics</th>
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<tbody>
<tr>
<td>Area Type</td>
<td>Event Location</td>
</tr>
<tr>
<td>Expected Attendance</td>
<td>Event Type</td>
</tr>
<tr>
<td>Event Market Area</td>
<td>Event Time</td>
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</tbody>
</table>

System Users Affected by Planned Special Events

- Event patron or participant
- Non-attendee road users: local residents and businesses, commuters, truckers
- Emergency Responders
- Non-attendee transit user
- Public agency service provider

Meeting the Challenges: Stakeholders

- Law Enforcement
- Media
- Transportation Agencies
- Event Organizer
- Elected Officials
- Private Industry
- Regional Organizations
- Public Safety
- Government Agencies
- Public
Meeting the Challenges

- Initial Planning Activities to include operations, planning, stakeholder coordination and partnering

<table>
<thead>
<tr>
<th>Multi-agency Traffic Management Team</th>
<th>Safety and Security Team</th>
</tr>
</thead>
<tbody>
<tr>
<td>Develops traffic management plan</td>
<td>Involves stakeholder representatives involved in event-specific safety and security planning</td>
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<tr>
<td>Preparations procedures and protocol</td>
<td>Develops Safety &amp; Security Plan and responses</td>
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<tr>
<td>Day-of-event traffic control and coordination</td>
<td>Implements and, if necessary, modifies the safety and security plan on the day-of-event</td>
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<td></td>
<td>Conducts post-event debrief</td>
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NSSE Factors & Considerations

- Anticipated attendance by dignitaries
- Size of the event
- Significance of the event
- Duration of the event
- Availability of state and local resources
- Multiplicity of Jurisdictions
- Threat assessments

National Special Security Events (NSSE)

- Designated by the Secretary, Department of Homeland Security
  - Presidential inaugurations
  - Presidential nominating conventions
  - Major sports events
  - Major international meetings

Transportation Planning: Coordination, Assets and Costs

- Unified transportation plan: coordinate with local law enforcement, fire/EMS and other key partners to address the security concerns and ensure the smooth flow of traffic, including transit vehicles, under heightened security.
- Make decisions concerning placement of media, spectators, protestors, resources to support the event, street closures, and barricades
- Include the necessary assets for the event (e.g., barricades, dynamic message signs, parking signs, buses, and staff).
Management of Direct and Indirect Costs for PSE

Challenges of PSE Cost Management and Recovery

Benefits of Managing Planned Special Events

Annual NASCAR Race at Puget International Raceway

- Time specific duration: Thursday-Sunday
- Specific starting and predictable ending times
- High peak arrival rates: 160,000 vehicles in 4 days
- Weekday and weekend event occurrences
- Known venue capacity: 150,000 people
- Advance ticket sales
- How will the team handle this planned event?
• Operational Strategies
  – Checklists
  – Tabletop Exercises
  – Incident Command System for Planned Special Events

• Resources & Tools

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PSE Overview:

Checklists

- Includes common sequential steps
  - Useful for a range of planned special event practitioners – transportation, public safety, event operator and community interest stakeholders

Tabletop Exercises

- Effective test of transportation management plans developed for the venues
  - Tests the written assumptions in the plan
  - Notes what must be changed and how the plan can be improved

- Exercises for participants
  - Decision makers
  - Staff from the agencies with the venue managers/planners
  - Volunteers/Day-of-event field staff

- Helps to prepare for all contingencies
ICS is designed to assist event planners in these areas:
• Basic management of resources
• Organization
• Delegation of authority
• Coordination
• Communication, and
• Evaluation

ICS and Planned Special Events: What to Consider

• Does the event involve a single agency or multiple agencies?
• Does the event involve a single jurisdiction or multiple jurisdictions?
• What command staff needs exist?
• What kind, type and amounts of resources are required by the event?
• Are there any projected aviation operations?

ICS and Planned Special Events: What to Consider

• Are there any staging areas and other required facilities?
• What kind and type of logistical support needs are required by the event?
• Are there any known limitations or restrictions of local resources?
• What kind and type communications resources are available?
• ICS can be expanded as the event demands increase in volume or complexity.

ICS and Planned Special Events

• Assess the situation
• Determine whether human life is at immediate risk
• Establish the immediate priorities and objectives
• Determine whether there are adequate and appropriate resources on-scene or ordered
• Establish an appropriately located on-scene Command Post (CP), if needed
• Establish an appropriate initial command structure, if needed
• Develop an action plan
• Coordinate activity for all command and general staff
ICS and Planned Special Events

- Consider whether span of control is approaching or will soon approach practical limits, taking into account safety of personnel.
- Determine whether there are any environmental concerns that must be considered.
- Monitor work progress – coordinate with key people.
- Review and modify objectives and adjust the action plan as necessary.

FHWA RESOURCES & TOOLS

Planned Special Events Publications

- Purpose: Provide guidance and recommendations on:
  - Managing travel for specific PSEs
  - Planning, coordination & regional activities for all PSEs within a region
- Intended Audience: Individuals responsible for or engaged in any aspect of managing travel for all PSEs within a region or for specific events
- Available at the FHWA Office of Operations website: http://ops.fhwa.dot.gov/program_areas/sp-events-mgmt.htm

Managing Travel for Planned Special Events Handbook

http://ops.fhwa.dot.gov/publications/publications.hm#pse

2015 Nebraska TIM Conference
ITS Best Practices

Role of Intelligent Transportation Systems (ITS) at Planned Special Events

Case studies examined how six agencies used ITS to:
- Reduce crashes
- Increase travel time reliability
- Reduce driver frustration

PSE Publications

- Tabletop Exercise Instructions For Planned Events and Unplanned Incidents/Emergencies
  - Managing Travel for Planned Special Events Handbook: Executive Summary
  - Planned Special Events: Cost Management and Cost Recovery Primer
  - Planned Special Events – Its Role in the Economy and the Extent of PSE-caused Congestion.
- National Special Security Events: Transportation Planning for Planned Special Events

Additional Resources & Tools

- PSE/TIM/ETO Peer-to-Peer exchange task
  - FHWA Office of Operations has funds to provide a peer.
  - AASHTO’s NCOE taped and archived July 2015 webinar that was designed to help Ohio prepare for the 2016 Republican National Convention
  - NHI course, “Managing Travel for Planned Special Events (2-Day)” FHWA-NHI-133099
    http://www.nhi.fhwa.dot.gov/training/course_search.aspx?tab=0&key=planned+special+events&sf=0&course_no=133099

Thank you

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- Publications
  http://ops.fhwa.dot.gov/publications/publications.htm#pse