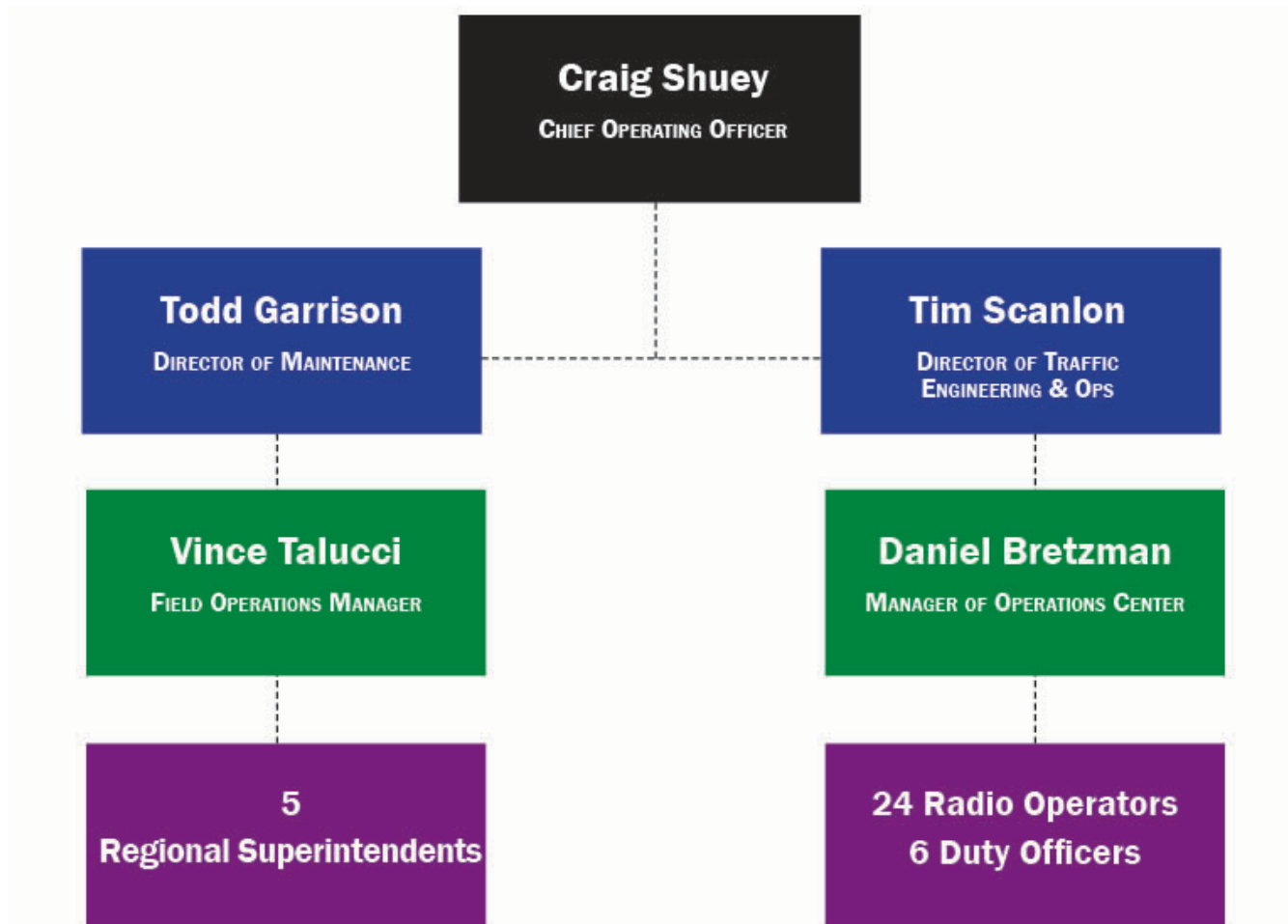


# PA Turnpike Commission

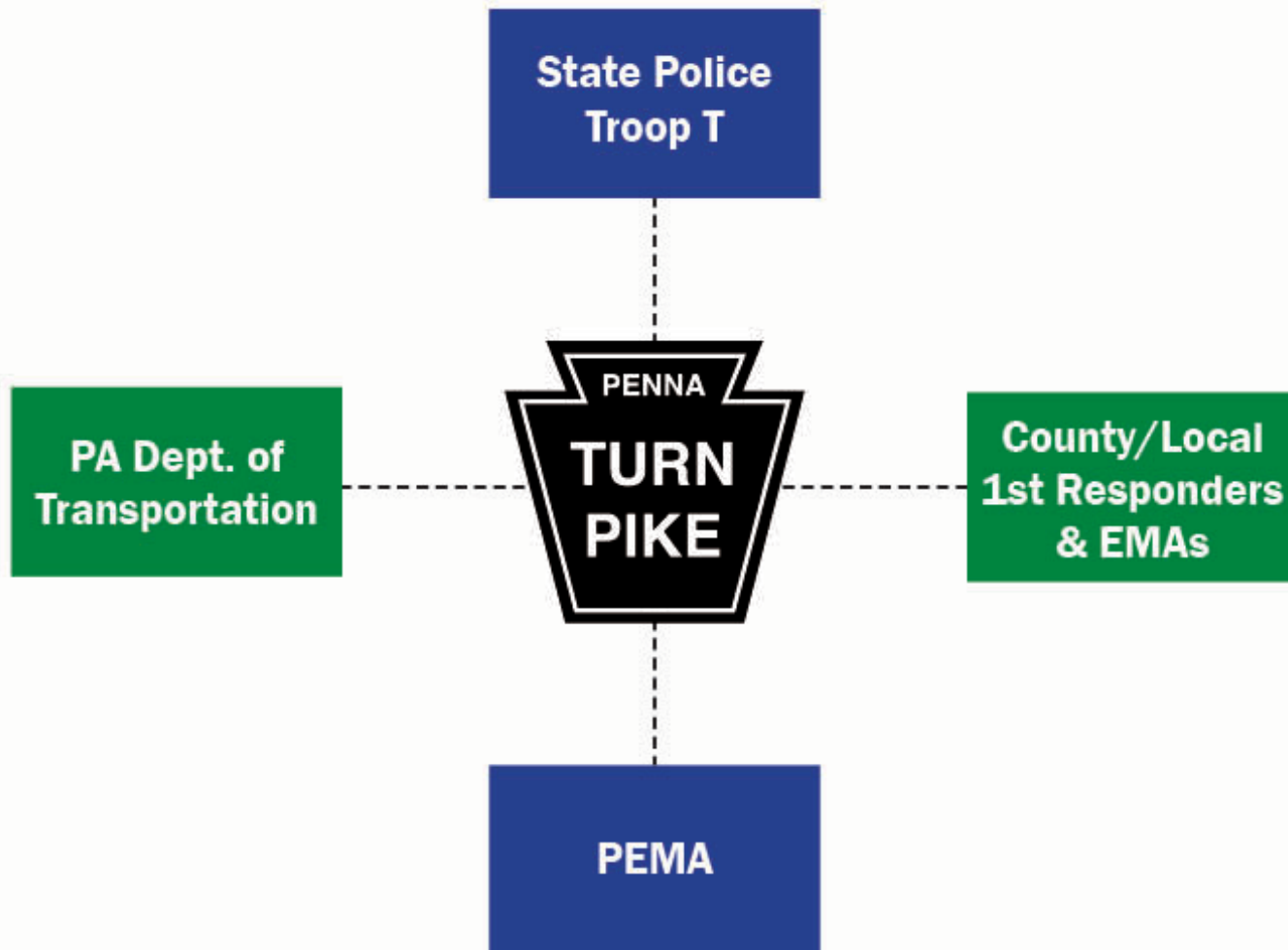
**Major Incident Response  
IBTTA Maintenance and Roadway  
Operations Conference**



# PA Turnpike Response Operating Structure



# PA Turnpike Response Partners



# PA Turnpike

## Winter Maintenance Resources

- 436 Professional Equipment Operators
- 102 Standby Plow-Truck Operators (PTC Employees)
- 288 Plow Trucks with Spreaders
- 61 Front-End Loaders
- 35 Salt-Storage Facilities
- 22 Maintenance Section Sheds
- 10 Tow Plows
- 7 Truck-Mounted Snow Blowers

# PA Turnpike

## Safety & Response Resources

- 24/7 Traffic Operations Center
- PSP Troop T, Dedicated Turnpike Unit, 235 Troopers
- 101 Contracted, Off-Pike Fire Companies
- 65 Contracted, Off-Pike EMS Companies with Medevac Resources
- 21 Contracted Emergency Road Service Providers (Towing)
- 5 Private Hazardous-Materials Contractors
- Statewide Emergency-Resource Coordination with PEMA
- Access to Non-Contracted Local/Municipal Resources “As-Needed”

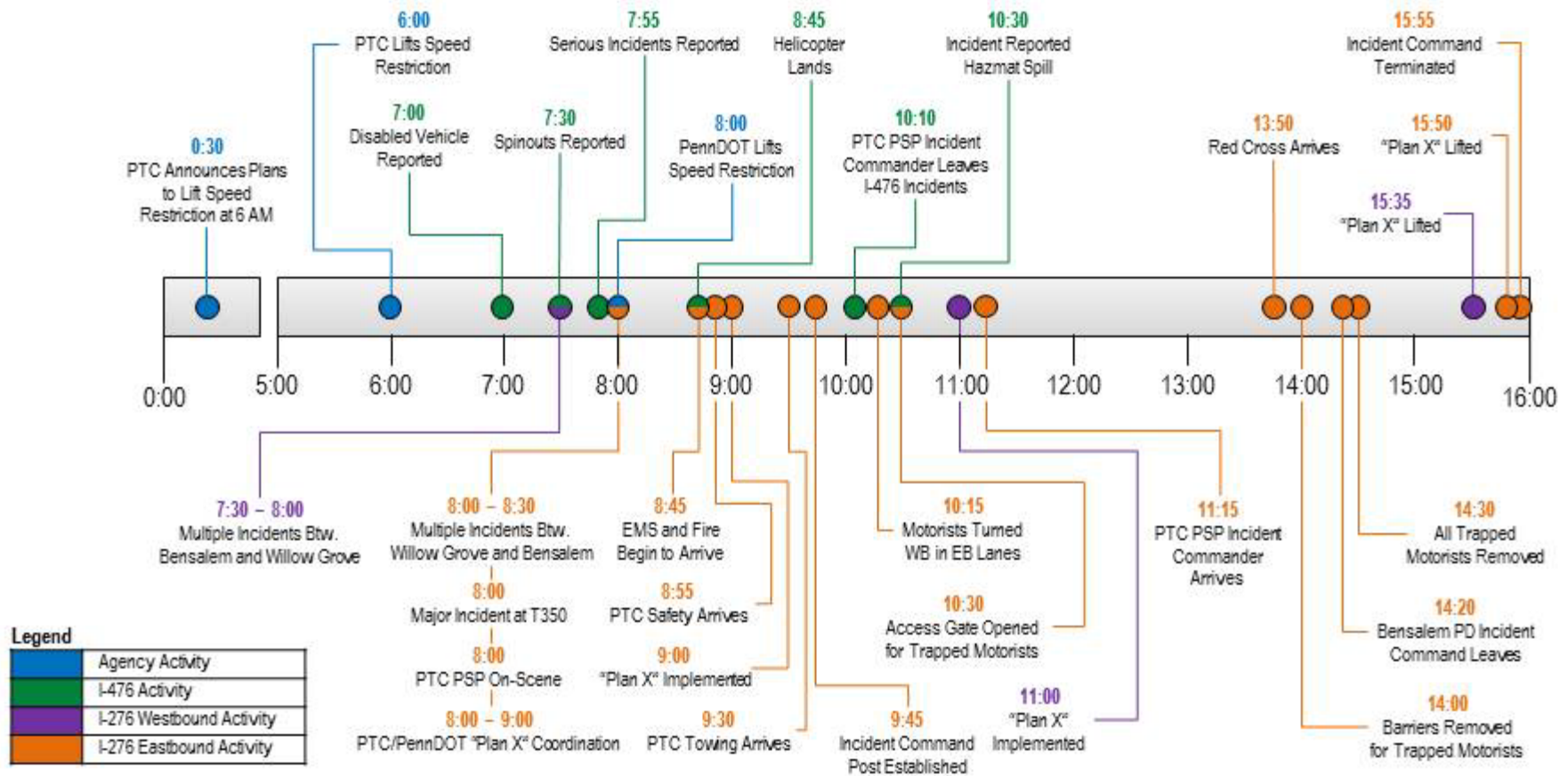
# Weather Response Protocol

- Pre-storm weather call: 12-24 hours prior
- Work force/equipment review: 1-2 days prior
- Central staffing determined: 12-24 hours prior
- Activate weather plan: as conditions warrant
- Post weather advisories: varies by event
- Senior level team: active throughout

# Multi-Vehicle Crash-Feb. 14, 2014



# Incident Timeline





# Agencies Involved in Response

## PA Turnpike Commission

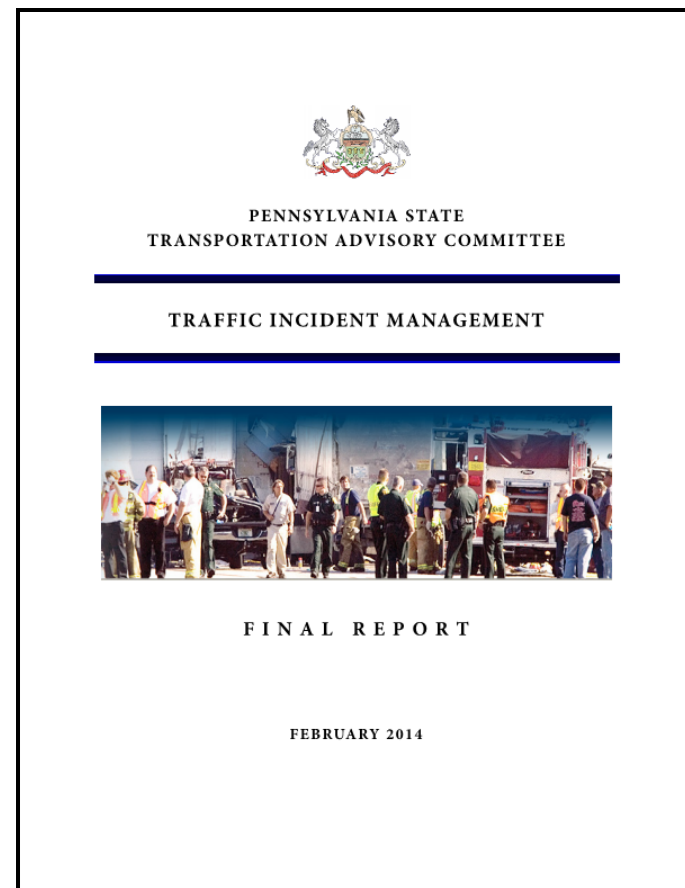
- Executive Management
- Communication & Public Relations
- Fare Collection, District 4
- Traffic Operations Center
- Field Operations
- Maintenance, Management
- Maintenance, District 4 Management
- Maintenance, Service Areas
  - Trevoise Maintenance
  - Quakertown Maintenance
  - Plymouth Meeting Maintenance
  - Devault Maintenance
  - Bowmansville Maintenance
- Authorized Service Provider, Rob's Towing
- Contracted Spill Response Team, Lewis Environmental Group
- Pennsylvania State Police (PSP) Troop T, King of Prussia Station

## Other Responding Agencies

- American Red Cross & Salvation Army
- Bensalem Emerg. Medical Services
- Bensalem Fire Rescue & Police Dept.
- Bensalem Twp. Dept. of Public Safety
- Bristol Twp. Police Dept.
- Bucks Emerg. Mgmt. Agency/Health Svc.
- Edgely Fire Co. & Newport Fire Co.
- Lower Moreland Twp. Police Dept.
- Lower Southampton Police Dept.
- Montgomery & Bucks County 911
- Montgomery EMS
- Nottingham Fire Dept.
- PA Emerg. Mgmt. Agency (PEMA)
- Penndel Middleton Emerg. Squad
- PennDOT Area Command
- PennDOT Dist. 6-0 Traffic Mgmt. Ctr.
- PennDOT Dist. 6-0, Maint.
- PSP Philadelphia & Trevoise Stations
- Trevoise Fire Co.

# TAC Traffic Incident Management Report: Relatable Findings

- Incident Management Task Force
- PA Traffic Incident Management Guidelines
- Multidisciplinary Training
- Build Effective Relationships with Local Governments/Responders
- Conduct AIRs



# PTC After-Incident-Review (AIR) Process

- To identify best practices and opportunities for improvement
- Gathered data and conducted interviews
  - PTC Maintenance and Operations
  - Pennsylvania State Police Troop T
  - PTC Customers
  - PennDOT District 6-0 Maintenance and Operations
  - Bucks County EMA and Local Emergency Service Providers
- AIR Meeting held on 3/4/2014 at the PTC ERO
  - Pre-Incidents Discussions
  - Incidents Response Discussions
  - Lessons Learned Summary

# Commendable Actions

- EMS, Municipal Police, Fire and County EMA response was excellent and aided in the safe and efficient opening of the roadway
- PEMA reported that communications with the TOC were excellent
- Communications among PTC District 4 field personnel was excellent throughout
- Towing authorized service provider was efficient and timely
- PTC and PSP showed tremendous dedication and professionalism throughout the extended storm and incident response

# Improvement Actions

- Improve communications within the PTC and with external agencies
- Address the establishment and use of the Unified Incident Command System
- Address the planning and use of available resources during extended duration winter events and large traffic incidents
- Improve situational awareness throughout an incident
- Promote safe driving responsibilities and habits through Customer Communications & Public Relations

# What is Next?

- Add Fire Police as an “as needed” asset
- Improve “first hour” information and decision making
- Focus appropriate attention on the backlog
- Drill, baby, Drill!

# PA Turnpike Commission

**Craig Shuey**

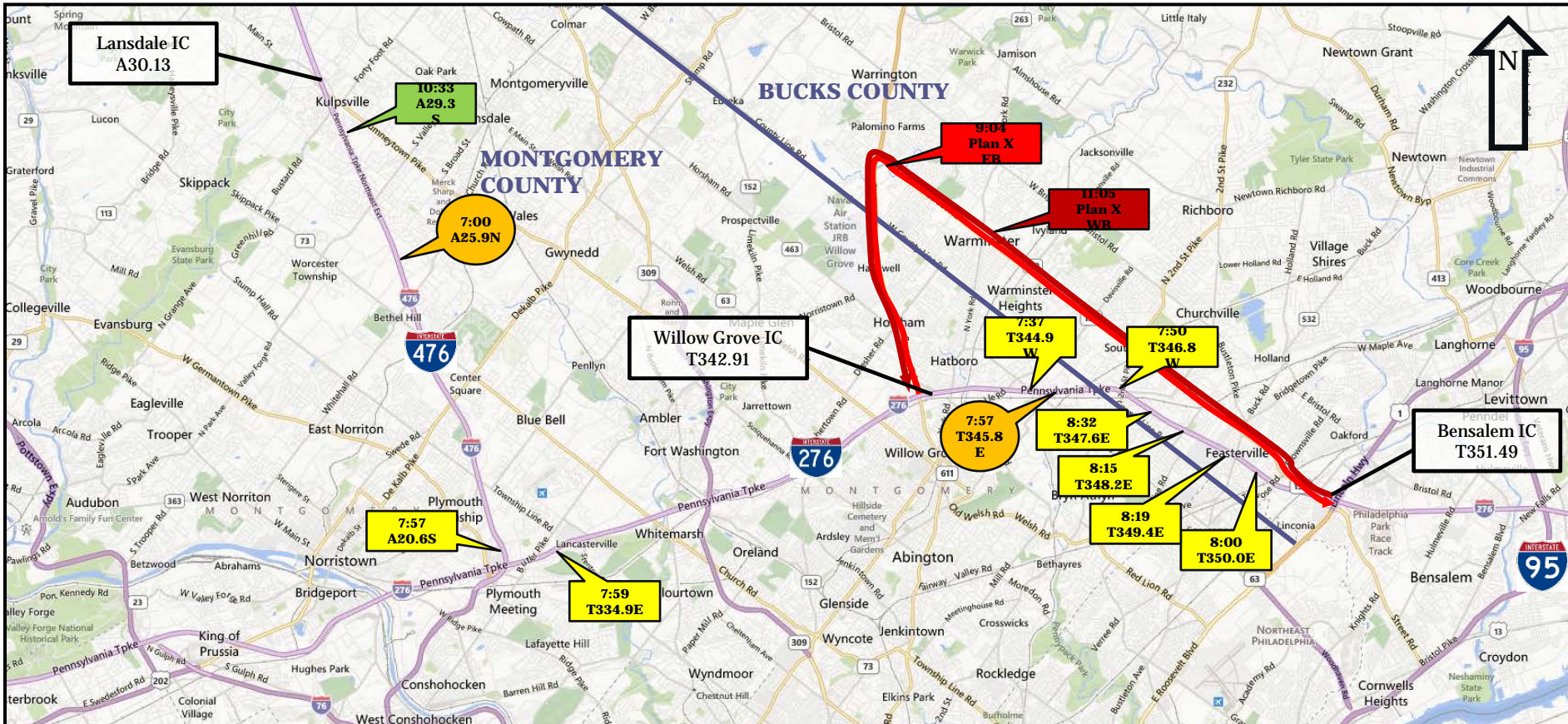
Chief Operating Officer



# Reserve Slides



# Incident Map



## Legend



Reportable Incident with HAZMAT Spill

Non-reportable Incident (e.g. spinout)

Reportable Incident

**T###.#E/W** Mainline Turnpike (I-276)

**A##.#N/S** Northeast Extension (I-476)





[illegible]

# Trevose Maintenance Shed Resources

- **Staff**

- 1 Foreman
- 1 Assistant Foreman-*vacant*
- 1 Section Clerk
- 21 Equipment Operators
- 2 Mechanics
- 4 Utility Workers

- **Equipment**

- 14 Plow Trucks
- 1 Tow Plow
- 2 Loaders
- 0 Blowers

- **Salt Used Last Winter**

- 2,744 Ton

- **Pre-Wet Material Used Last Winter**

- 7,800 Gallons

# Trevose Maintenance Shed

## On-Road Activities and Applications

- 4-5" of snow fell btw. 11PM – 3AM
- Rain had washed away previous treatments
- No significant equipment issues
- Still treating when incidents occurred
- Application rate: 700lb/mile
- 935 tons of salt– equals 1/3 of salt used all of last winter
- 2,250 gallon of calcium
- Flooding issues at T341W-cleared prior to midnight
- Full staffing callout throughout storm event