Winter Maintenance
Snow and Ice Control
– Module 6 –

POST SEASON
ACTIVITIES

PRESENTED BY:
DELAWARE T² CENTER
In this module:
- Inventory equipment and materials
- Clean and repair equipment
- Store equipment
- Review of performance and safety statistics
- Brief elected officials and bean counters
- Plan for replenishment of materials
- Road and shoulder repairs
- Assess the season
- Calibrate plan accordingly
Post Season Activities

- Spring is coming
- You’re unhooking plows and spreaders
- You’re thinking about summer maintenance activities (and baseball and crab feasts and so on)

- Hold on there – just a few things to do before we turn our backs on another winter season
Post Season Activities

- Winter maintenance has year round components

Video
Post Season Activities

- **Equipment**
  - Thoroughly clean
    - Get the salt off
    - And the other gunk, too
    - Clean equipment easier to inspect, also
  - Repair and maintain
    - Thorough inspection
    - Grease
    - Repair, replace broken chains, wear points, cutting edges
  - Inventory
    - Got everything you started with?
  - Identify replacements
Post Season Activities

- Cleaning/repairing equipment is essential prior to storage
Post Season Activities

• Store equipment
  o Hang spreaders if you can
  o Store plows up out of the dirt
  o Keep hydraulic connections free of debris
  o Ensure that attachments are marked/numbered for easy association with its master vehicle
Post Season Activities

- Good storage locations and facilities are an asset
Post Season Activities

• Materials
  o Inventory
  o Dress up piles (and ensure they are covered and protected)
  o Identify quantities needed for next season
  o Make arrangements with suppliers

[Photo: Allie Gerlach]
Post Season Activities

- Review performance standards
  - Levels of Service
  - Safety goals
  - Budget
  - Met? Exceeded? Fell short?
  - Extenuating circumstances?

- Be brutally honest with yourself and crews
Post Season Activities

• Assess the season
  o What went well
  o What didn’t
  o Why
  o Obstacles
  o Manpower
  o Equipment
  o Materials
  o Outside forces, interlopers
  o Contractors, vendors
  o Things to improve
Post Season Activities

- **Things that went well**
  - Can we repeat them?

- **Things that went...poorly**
  - Can we eliminate them?
  - Minimize them?
  - Avoid them?

- **Revise the Snow and Ice Control Plan**
  - Tweak
  - Rearrange
  - Calibrate
Post Season Activities

- **Brief stakeholders**
  - Elected officials
  - Public
  - Bean counters
- **Written reports**
- **Presentations**
- **Press releases**
- **Interviews**
- **Admit shortcomings, oversights**
- **Show achievements**
Post Season Activities

- Repair the roads
  - Permanent pothole repair
  - Water and ice damage
  - Shoulder repairs
  - Guardrail
  - Signs and sign posts
  - Pavement markings
  - Stormwater inlet grates
  - Drainage ditches and culverts
  - Manhole covers
  - ...
Post Season Activities

- Repair the roads

Photo: Steve Harris

Photo: Damon Taylor
Post Season Activities

- Inspect roadway safety features
Post Season Activities

• Roadside hardware can be easily damaged over winter by plows or vehicular accidents
Post Season Activities

- Drainage facilities are essential in preventing water damage to our roads
Post Season Activities

- Post-winter cleanup is essential to our roads, streets, bridges, drainage systems...essential to our total transportation infrastructure
Post Season Activities

- And forget about snow and ice...
- Until later in the summer
- When it’s time to get suited up all over again
What is/are in the Other Modules?

- **Module 1 – Introduction**
  - General objectives of snow and ice control
  - Weather basics
  - Importance of training
  - Innovation and evolution
  - Safety, risk management, liability
What is/are in the Other Modules?

- **Module 2 – Planning and Program Development**
  - Snow and ice removal plan
  - Standard operating procedures
  - Route maps/assignments
  - Review and updating plans periodically
  - Budgeting
  - Acquiring and renting equipment
  - Recordkeeping
  - Preparing elected officials
  - Preparing the public
What is/are in the Other Modules?

• Module 3 – Pre-Season Activities
  - Personnel training and refreshers
  - Stakeholder briefings
  - Contracting and material acquisition
  - Storage and handling materials
  - Equipment readiness
  - Crew and equipment assignments; practice runs
  - Snow markers and passive control devices
  - Check/clear drainage ways
  - Calibrate spreaders and other equipment
  - Public service announcements and bulletins
What is/are in the Other Modules?

- **Module 4 – Operations/In-Season Activities**
  - Chain of command
  - Inspect road conditions
  - Safety meetings
  - Plowing techniques
  - Abrasives and freeze point depressants
  - Weather information
  - Recordkeeping
  - Special areas

- **Worst case weather scenarios**
- **Disabled, inoperative, abandoned vehicles**
- **Disposal of snow/environmental concerns**
- **Safety**
- **Day versus night operations**
- **Meals**
- **Dealing with the public**
What is/are in the Other Modules?

- Module 5 – Post Storm Activities
  - Push back shoulders
  - Clear drainage ways
  - Refreezing
  - Maintain and clean equipment
  - Restoring safety features and sight distances
  - Removal of snow
  - Asset inventory
  - Interim pavement repairs
  - Assess performance and debrief
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