

Sidewalk Snow Removal

Division of Maintenance & Operations



DelDOT Winter Workshop
February 20, 2015

Agenda

- Why?
- Who?
- What?
- Where?
- When?
- Recap



Why?

- Sidewalk and Multi-Use Path Maintenance Policy
 - Policy Implement (P.I.) O-02
 - Effective June 17, 2013
 - Primary Responsibility: Director of Maintenance & Operations (M&O)
 - Goal: Maintain sidewalks in operable and readily accessible working condition.

Why?

- **Justification**

- **Title 23 USC 116. Maintenance**

- “...requires the State transportation department to maintain...any project constructed...”

- **Title 28 CFR: Judicial Administration Part 35 – Subpart B – General Requirements**

- “...requires a public entity to maintain sidewalks...in operable and readily accessible working condition.”

Why?

- Justification

- Complete Streets Policy (P.I. O-6)

- “...walking is the most fundamental mode of physical transportation...”

- “...promote safe access for all users...”

- Americans with Disabilities Act

- “...equal opportunity...for people with disabilities...”

Who?

- Shared Responsibility with Adjacent Property Owners
 - Common approach in incorporated areas
 - 43 of 57 municipalities in Delaware have sidewalk regulations
 - Issues with consistent enforcement
 - Requires legislation to implement

Who?

- DelDOT Employees
 - M&O Employees 1st Priority – Roadways
 - Volunteers & Report When Contacted (RWC)
 - Would need sidewalk equipment
 - Performing Inspection
 - Training, Scheduling, Documentation, etc.

Who?

- Contractual Services
 - Contract No. GSS 14270 Snow and Ice Removal
 - Current focus – facility parking lots and sidewalks
 - Potential for future use as locations better defined
 - Contract DOT1005 Emergency Snow and Ice Removal
 - Used this contract in 2013-14
 - Hourly rate for equipment and operator

What?

- DelDOT Does Not Maintain Sidewalks:
 - Owned or maintained by municipalities;
 - Located in subdivisions;
 - Privately owned;
 - Maintained by others.
- DelDOT maintains the remaining sidewalks located in the state right-of-way.

Where?

Interstates	0
Other Freeway/Expressways	0.3
Principal Arterials	83.2
Minor Arterials	61.2
Primary Sidewalks Total	144.7
Major Collectors	66.3
Minor Collectors	0.2
Local Roads	26.5
Secondary Sidewalks Total	93.0
Total Sidewalk Miles	237.7

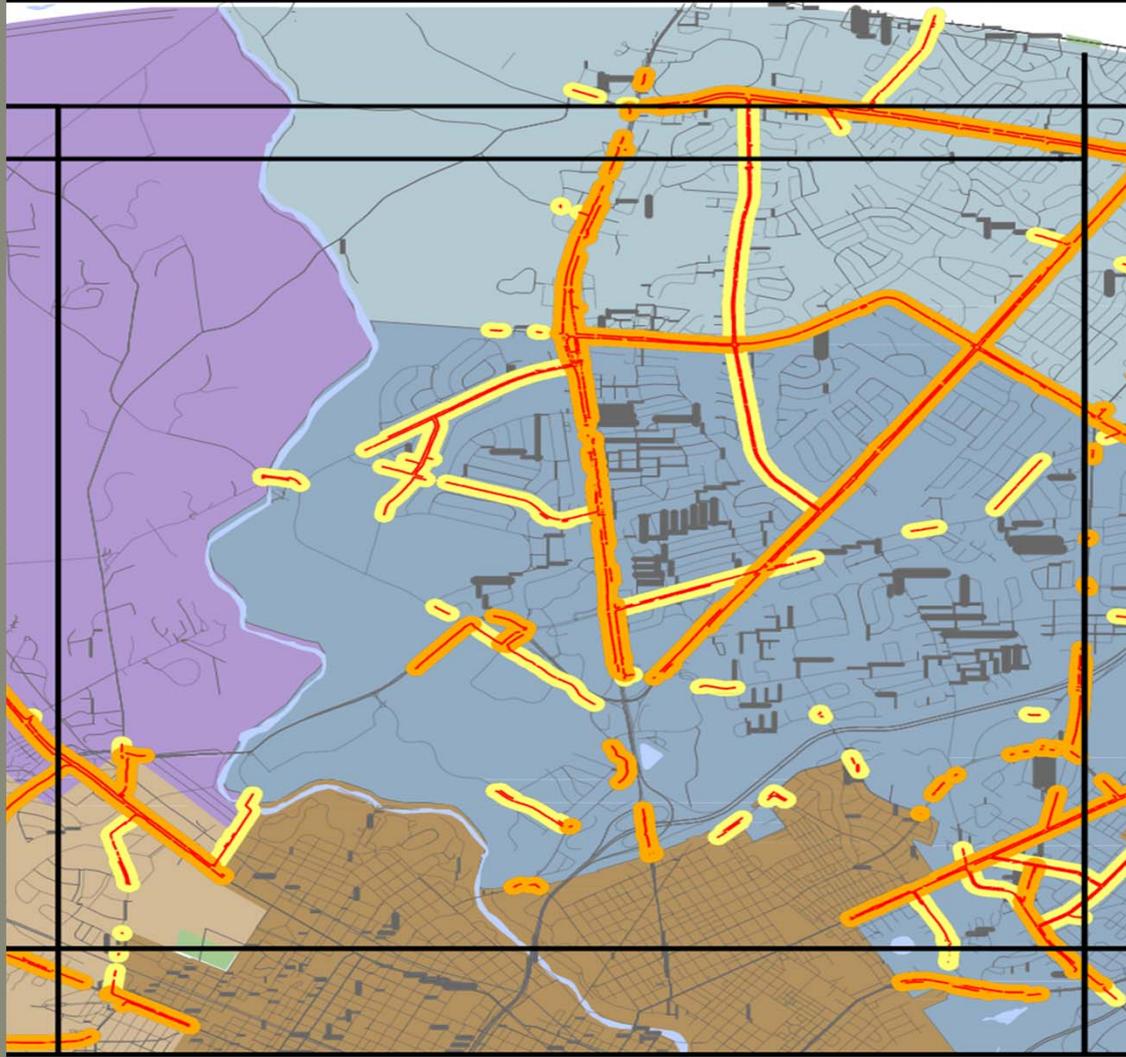
- Target primary sidewalks beginning at the City of Wilmington and work outwards.

Where?

Maintenance Area	Total Sidewalk Miles*	Primary**	Secondary**
Bear	74.0	43.7	30.3
Cheswold	4.0	1.8	2.2
Dagsboro	3.0	0.3	2.5
Ellendale	1.6	1.0	0.5
Gravel Hill	13.8	8.4	4.9
Harrington	1.6	0.3	1.2
Kiamensi	62.0	41.6	20.4
Laurel	1.2	1.2	0.0
Magnolia	4.3	2.4	1.2
Middletown	3.4	1.1	2.2
Seaford	0.4	0.0	0.4
Talley	69.0	43.9	25.1
Total	238.4	145.7	91.0

*Along state maintained roads excluding municipalities

Where?



When?

- Minimum of four (4) inches of snow and ice
 - Reported DelDOT Website for Official Snowfall Accumulations
- As directed by the Department
 - Factor in forecast
 - Additional storms, warm weather, etc.



Recap

- Mobilized for three storms events
 - Storm Events
 - January 4-5, 2014 (#34-XXX-58)
 - January 26-8, 2014 (#34-XXX-63)
 - February 17-9, 2014 (#34-XXX-70)
 - Utilized 7 Contractors at a Cost of ~\$938,000
 - 29% Per Mile Cost Reduction from 1st to 2nd Event
 - 251 Miles of Sidewalk Cleared

Recap

- Issues

- Contractor's Insurance

- Not Indemnified

- Payment Rates

- Year 1 Requested Proposals

- Year 2 Force Account Rates

- Expensive, Crew Size, Interest, Ability to Complete the Work



Recap

- **Issues**
 - **Maintenance of Traffic**
 - Added Truck Mounted Attenuators
 - **Sidewalks Plowed In**
 - Typically start 2 days after plowing the streets
 - Heavy, compacted snow and ice
 - Curb ramps, street corners plowed in by others
 - Equipment - Walk Behind Mini Skid Steers, Dingos, Bobcats performed well

Recap



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Recap

- Issues
 - Property Damage
 - Turf damage – Spring Repairs
 - Requests for Additional Locations as Public Awareness Grows
 - Direct Inquiries to Public Relations
 - Forward to various groups as appropriate:
 - M&O Districts, Insurance Office, ADA Coordinator, etc.

Recap

- Positives
 - Improved Safety
 - Pedestrians not walking in the street
 - Pedestrians using sidewalks and bus stops as soon as they were cleared
 - Meeting Policy Requirements

Questions & Comments

