

Invasive Species Management DOT perspective

Taneka Jackson



**Illinois Department
of Transportation**



TOPICS

- ❖ **IDOT/District One Overview**
- ❖ **Methods and Results**
- ❖ **GIS mapping**
- ❖ **Coordination**

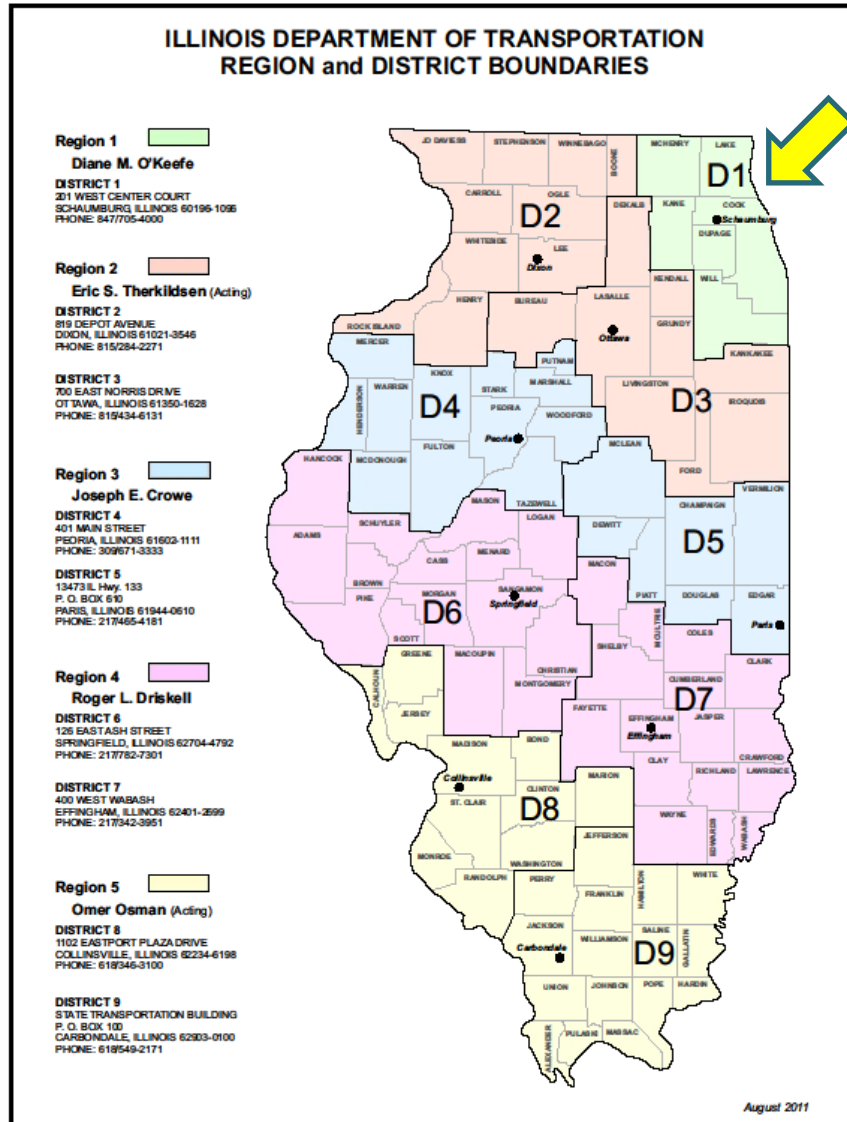


Illinois Dept. of Transportation

Illinois Dept. of Transportation

- Responsible for planning, constructing, & maintaining the Illinois transportation network.
- The “network” encompasses highways & bridges, airports, public transit, rail freight, & rail passenger systems.
- 3rd largest highway network in the U.S.

5 Regions and 9 Districts



- District One
- Cook County
- DuPage County
- Kane County
- Lake County
- McHenry County
- Will County

District One

- ~2,791 miles of roadway
- Over 3,500 acres of expressway roadsides
- Over 13,500 acres of primary route roadsides
- Totaling 17,000 acres of roadsides to maintain

IDOT District 1

- 23 Maintenance Yards spread out over 6 counties.
- Over 40 licensed pesticide applicators
- Some roadside maintenance work has been contracted out to supplement efforts by the Maintenance Yards.





IDOT D1 Annual Maintenance Contracts:

- Dead Tree Removal
- Mowing
- Landscape Repair
(Motor caused highway damage)
- Natural areas Management
- Wetland areas Management
- Weed Control

Methods & Results







01/17/2013

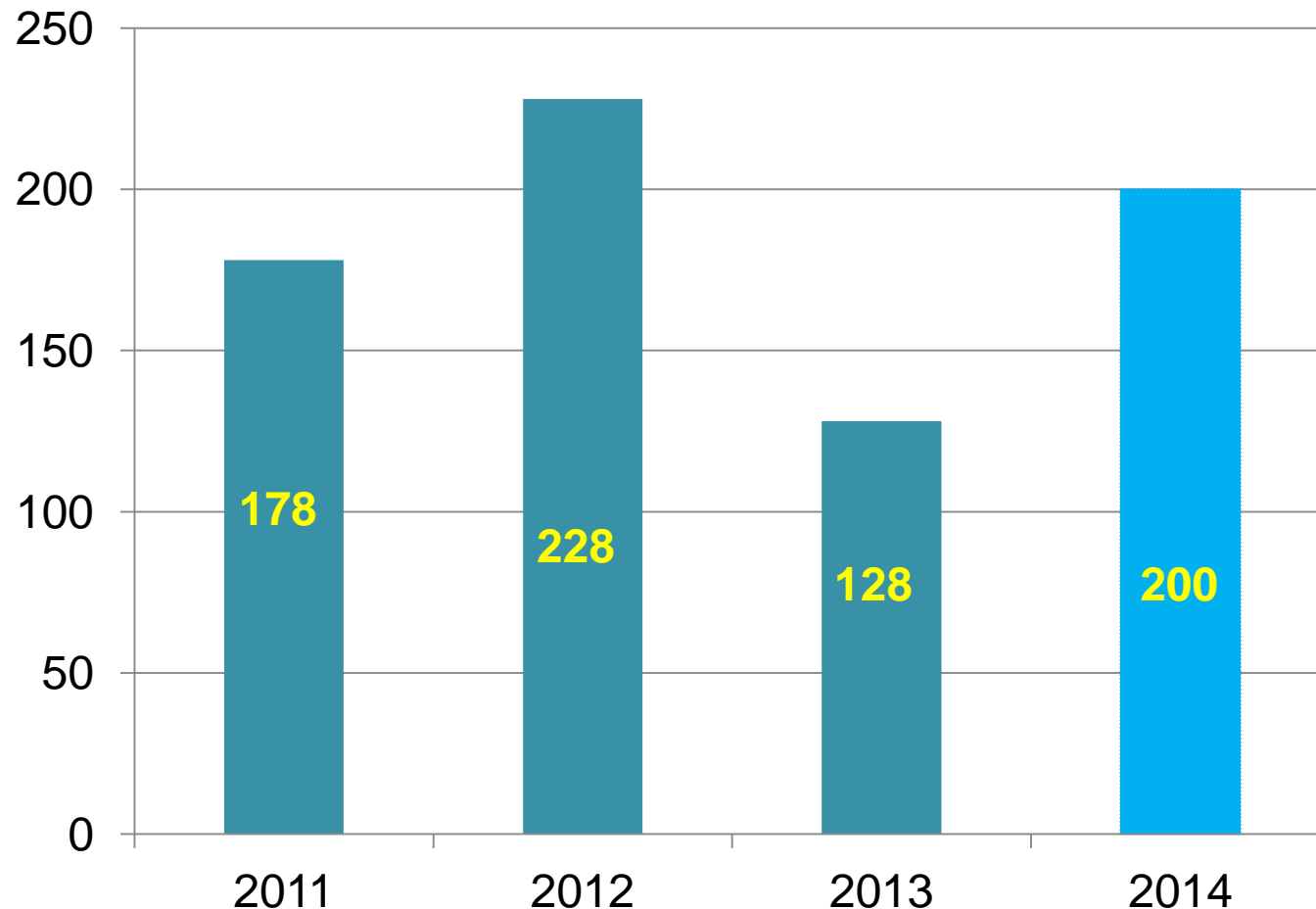


01/22/2013



09/20/2013

Acres of Phragmites Controlled by Contract

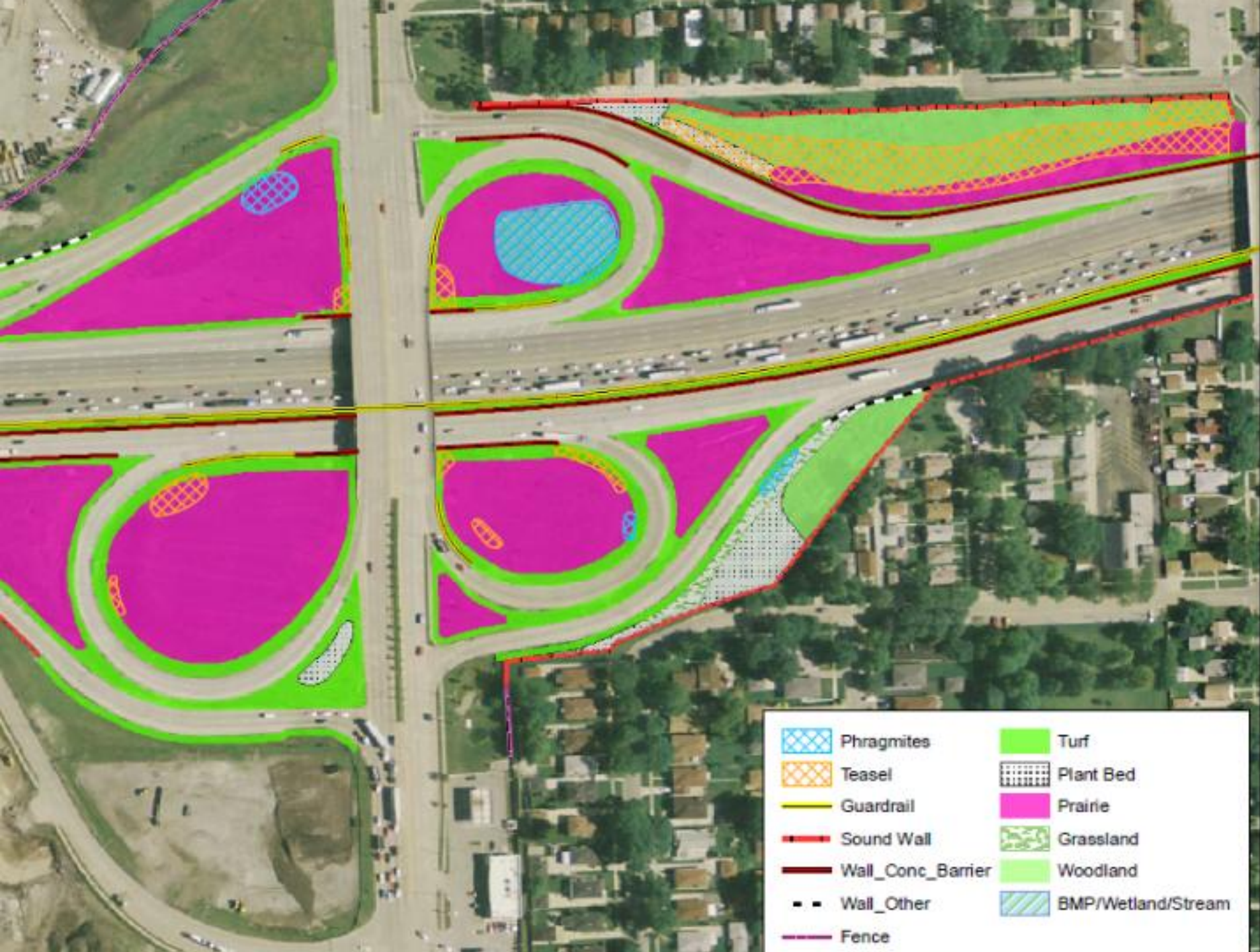




GIS Mapping & Database

In 2010, IDOT D1 with the assistance of a consultant firm began developing GIS mapping and databases for all expressway roadsides

Eventually, GIS mapping will include all state routes within District One



Weed control

“on both sides of the fence”





Coordination

Keep invasive species out of high quality natural areas

IDOT seeks to coordinate invasive species control with adjacent land owners/managers

Building strong partnerships



www.niipp.net

Cathy McGlynn, Coordinator

What is NIIPP?

Cooperative weed management area (CWMA), unites interested landowners, land managers, non-profits, private entities, industry, special districts, and the public in the northeastern Illinois region for the purpose of coordinating and combining their resources, expertise, and activities for more efficient and effective management of invasive plant species across jurisdictional boundaries.



NIIPP Partners

- IDOT D1, D2, D3
- Morton Arboretum
- Field Museum
- Cook County Forest Preserve
- Chicago Botanic Garden
- USDA Forest Service-Midewin National Tallgrass Prairie
- Chicago Park District
- Hey and Associates
- Pizzo and Associates

How does coordination between NIIPP Partners & IDOT work?



EDD MapS

Early Detection & Distribution Mapping System

- Invasive Species mapping made easy!
- Fast and easy use
- Facilitates Early Detection and Rapid Response
- One database for local & national data

www.eddmaps.org

Illinois Department of Transportation
District 1 Invasive Weed Control Coordination Form

This form is to be used for weed control coordination between IDOT, other Northern Illinois Invasive Plant Partnership (NIIPP) members, and others who are actively managing invasive species or natural areas near state routes and expressways maintained by IDOT District 1.

Instructions: Please complete this form to the best of your abilities. Incomplete data may result in delays in weed control coordination efforts.

Name of Site: _____

Location (attach map if possible): _____

Site adjacent to state route or expressway? Yes / No
If no, please explain: _____

Site manager/owner information:

Name (agency/organization/individual): _____

Contact person: _____

Phone number: _____

Email: _____

Please provide a brief site description, including vegetation and other unique features:

Are there any threatened or endangered species (flora or fauna):

At the site? Yes / No On the roadside? Yes / No

Is the site:

An Illinois Nature Preserve? Yes / No An INAI site? Yes / No

Please list any invasive species present on roadside:

Invasive species control methods/strategies being used at site:

Person requesting invasive species control on IDOT roadside at this site (if different than above):

Name: _____

Phone number: _____

Email: _____

Other comments/notes:

Please complete form and return to the IDOT District 1 Roadside Development Unit.
Address: 201 W. Center Court Schaumburg, IL 60196 Phone: (847) 705-4171 Fax: (847) 705-4754
Email: Rick.Wanner@illinois.gov Taneka.Jackson@illinois.gov



Coordination/GIS mapping

Step 1: IDOT receives complaint

Step 2: Field check to verify and confirm

Step 3: Report to EDDmaps

Step 4: Add in IDOT GIS database

Step 5: Assess best method and time to control (ie. Herbicide, Mowing, Hand



COORDINATION

Definition-Act of organizing and assembling different people together to fulfill desired goals.

Goal- Effectively manage invasive species across jurisdictional boundaries

The background image shows a highway scene. On the left, there is a grassy shoulder with a chain-link fence. In the distance, a multi-story brick building is visible behind some trees. On the right, a multi-lane highway has two large semi-trucks traveling away from the viewer. The sky is clear and blue.

Invasive Species Management DOT perspective

**Peter Dunleavy
NYSDOT**

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IDOT**