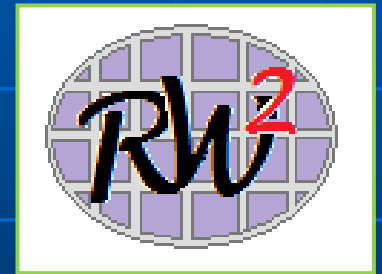


# Quick Access to Land Records

## Cadastral and Right of Way Data Sharing Pilot Project



Annette Theroux



Richard Morey



# How We Got Here

## Research to Implementation

- **2002 Statewide Parcel Mapping Inventory**
- **2004 Enhanced Coordination of Cadastral Data**
- **2008 Cadastral and R/W Data Sharing Pilot Project (RW)<sup>2</sup>**

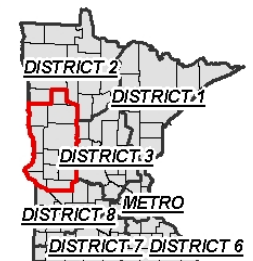
# Collaborative Funding



# Data Sharing Pilot Project Area

## District 4 Detroit Lakes

- 12 Counties
- 4 Cities
- White Earth Indian Reservation



# Project Components

## Inclusive Process

- TAP participation
- Local Government Buy - in
  - Organization, Departments, Management

## Sharing Valuable Data

- Meets project and daily work needs
- Improves access and function

## Technology

- Facilitates a standard

# Collaborative Efforts

## Relationships

- Leverage existing
- Develop new

## Data Sharing

### Local Government

- Multiple software systems (Interoperable)
- Between levels of organizations
- Boards, Councils and Staff
- Within each organization

### Mn/DOT

- Multiple data locations and formats
- Between Units and Locations

# Pilot Project Phases

**Phase 1: Identify Information to Share**

**Phase 2: Information Collection**

**Phase 3: Web-based Information Access and Transfer**

# Phase 1: Information to Share

## Valuable to Mn/DOT

- Deeds
- Survey records
- Recorded plats
- Right of way plats
- Digital parcel data
- Municipal boundaries
- Ditch maps
- Ownership database information
- Digital section corners
- Monumentation on parcels
- CAMA
- Zoning boundaries
- Soils maps – high resolution



# Phase 1: Information to Share

## Valuable to Local Government

- Aerial Photos – low altitude
- DEM data
- LIDAR data
- Historical field notes
- Historical alignments
- Misc. monuments
- Digital section corners
- Digital right of way information
- Commissioner's orders
- Railroad right of way maps
- Roadway condition information
- Geodetic Survey

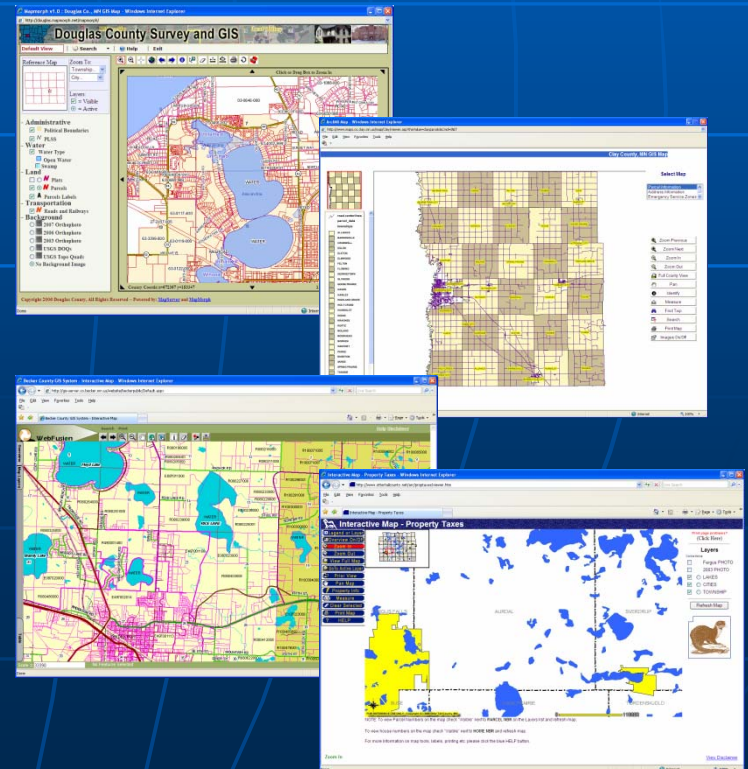
# Phase 2: Information Collection

## Develop a Plan for Data Sharing

- Complexity and variability of Local Government organizations

- Data formats

- Data access



# Phase 3: Web-based Info Access and Transfer

## Standardize

### Spatial selection

Minnesota Department of Transportation

Select from Map

- Select Map
- Select Dataset
- Request Data
- Admin Tools

Mn/DOT

- Becker County
- Big Stone County
- Clay County
- Douglas County
- Grant County
- Mahnomen County
- Ottertail County
- Pope County
- Stevens County
- Swift County
- Traverse County
- Wilkin County
- City of Alexandria
- City of Detroit Lakes
- City of Fergus Falls
- City of Moorhead

### Data / Databases / Documents

Minnesota Department of Transportation

Select by Dataset

Available Data from MN/Dot

GIS Data	Databases	Document Images
Low Level Aerial Photography	Old Notes	Misc. Monuments
DEM	Roadway Condition Information	Final Certificate of Filed Condemnations
LIDAR		
Digital Section Corners		
Locations of R-O-W		
Commissioner's Orders		
Old R-O-W Maps		

Available Data from Participating Organizations

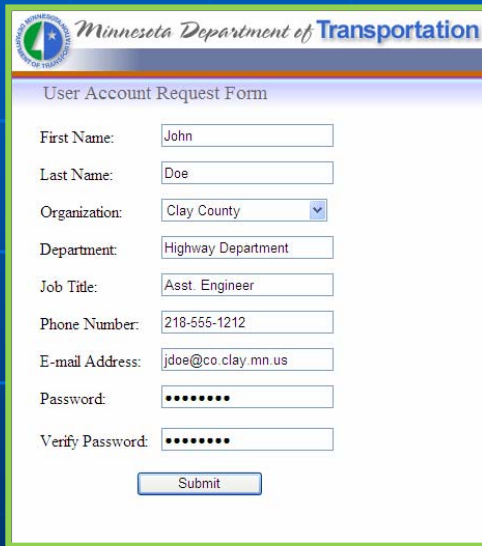
GIS Data	Databases	Document Images
R-O-W Plats	Ownership Database Information	Deeds
Digital Parcel Data	Sales Information	Survey Records
Digital Section Corners	CAMA	Recorded Plats
Monumentation on Parcels		
Zoning Boundaries		
Soils Maps		
Ditch Maps		
Road Orders		
Railroad R-O-W/Centerlines		

Right of Way / Right aWay



# Requests

## User name/Password



Minnesota Department of Transportation

User Account Request Form

First Name:

Last Name:

Organization:

Department:

Job Title:

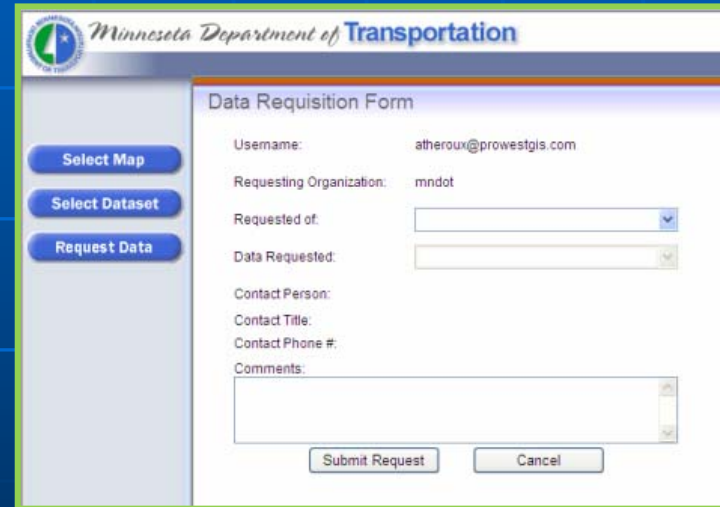
Phone Number:

E-mail Address:

Password:

Verify Password:

## Data, Databases, or Imaged Documents



Minnesota Department of Transportation

Data Requisition Form

Username:

Requesting Organization:

Requested of:

Data Requested:

Contact Person:

Contact Title:

Contact Phone #:

Comments:



# Phase 3: Web-based Info Access and Transfer

## Issues

- Levels of technology
- Accessibility
- Subscription fees
- Legacy systems
- Security

User Information for atheroux@prowestgis.com

E-mail Address: atheroux@prowestgis.com

First Name:  Last Name:


Organization:  Phone Number:

Department:  Job Title:

Old Password:

New Password:

Confirm Password:

 Minnesota Department of Transportation

Username:

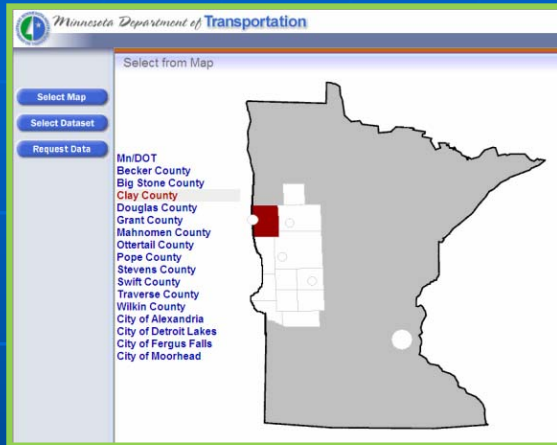
Password:

[Request Account](#) [Forgot Password?](#)

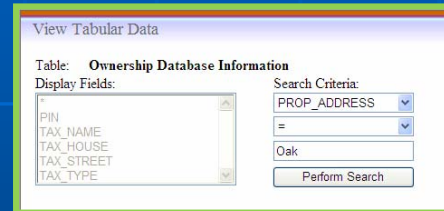


# Functions

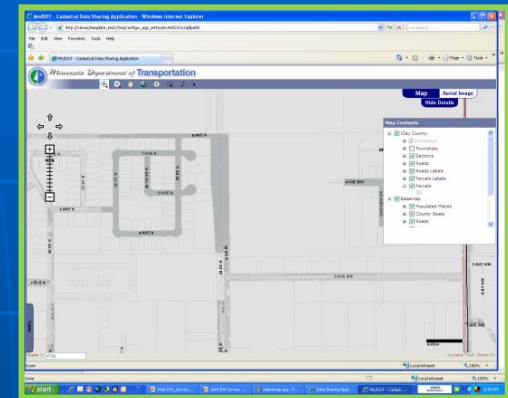
View, download or request



Query databases



Layer display



## Tools

- Drawing tools
- View associated images and documents
- Send requests for additional information
- Print maps
- Access tax parcel information databases
- Identify individual map features



# Next Steps

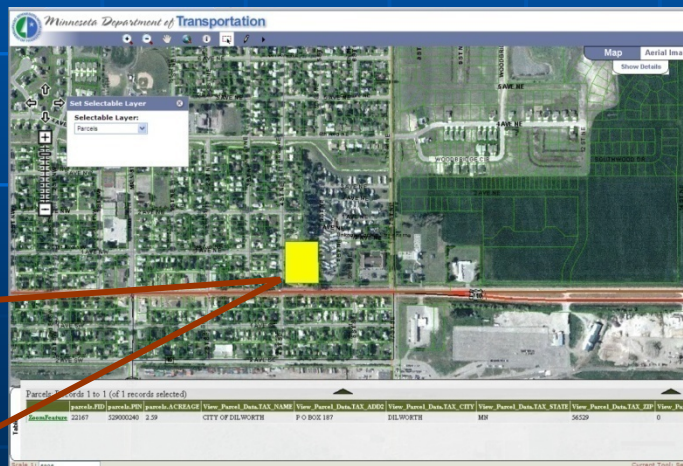
- RoadMap
- Add Mn/DOT District 3
- Increase available data
- Increase Users
- Increase Functions / Tools



## Link between map and databases

- REALMS
- EDMS
- Project work

Parcel ID	Parcel Name	Parcel Area	Parcel Value	Parcel Status
10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000

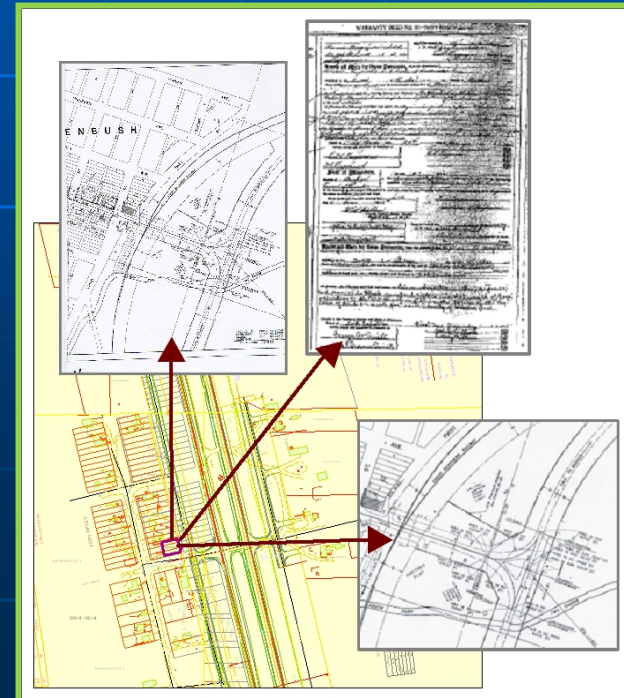


# Cost Savings

Reduce transaction research time

Information sharing in effective and timely manner

Improve communication





# Questions

