

Pictometry, Contours, & GIS



Greg Kruschke

Rubin Seifert

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Pictometry

■ Benefits

- Accurate photographic information from a point in time
- Saves time & money
- Allows for answers with interdepartmental questions without all parties having to visit the site
- Everyone can have access

Pictometry

- Drawbacks
 - Not as accurate spatially as CAD or GIS
 - Time consuming to move around between images

Pictometry



- Real Work Example
 - Contractors wanted to install a new roof
 - Roof had numerous pitches which made the materials difficult
 - Code requires a roof to be of the same materials

Pictometry

- 322 Garfield Place
 - Wanted a 20' addition on north of house
 - Able to review elevation data, distances, and property lines all from my desk



Pictometry

- Sign Permits
 - See existing signs on property
 - Measure square footages
 - Measure heights of existing signs
 - See if new sign will meet code requirements

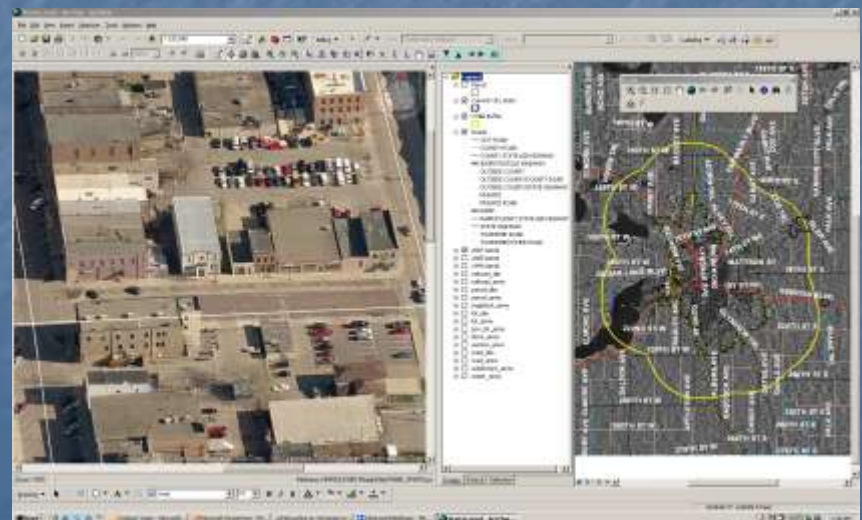
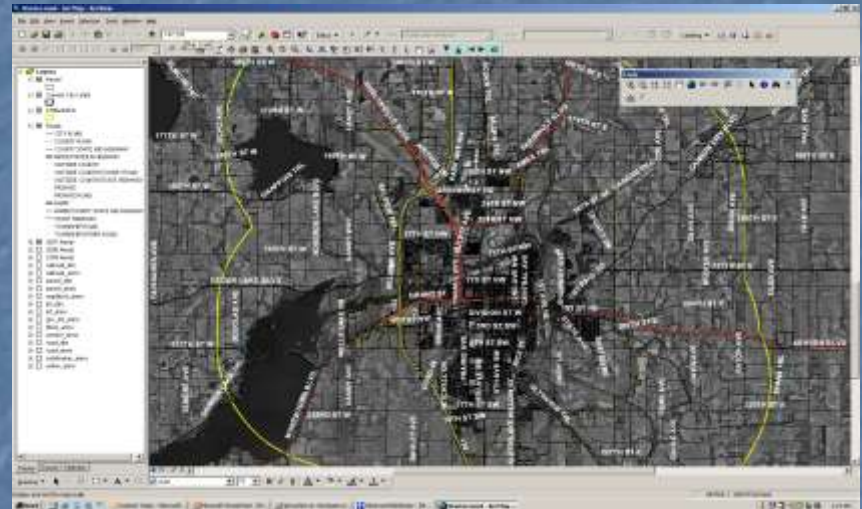
Pictometry

- Fire Department
 - Information is readily available which allows for some planning before arriving on scene
 - Allows for view of structure
 - Fire Hydrants can be located
 - Laptop is located within the command truck with the software loaded



Pictometry

- GIS Extension
 - Map is set up to automatically start Pictometry with toolbar
 - Printing is available with few options
 - Easy to go back and forth



Pictometry

- Future

- Use as a live link for Planning Commission and City Council meetings to easily provide additional information and answer questions
- Bring more departments and individuals in on using the Software

Pictometry

Questions???

Contours

- To gather quick, approximate information
- Preliminary street & utility layouts
- Possible wetland determinations
- Possible parkland dedication areas
- Identify areas of significant grading in shoreland areas and along trails

Contours

- Flood Insurance Rate Maps (FIRM)
 - Being digitized as we speak by FEMA
 - PBS&J is the Consultant
 - DNR is also involved
 - New contours will be used to provide updated information

Contours

Questions???



Data Entry

Maintenance Module

Work Order

City of Faribault Public Work's
Utilities Web Mapping Application
Developed by: Bonestroo

Introduction

- Infraseek is provided by Bonestroo
 - City's Record Plans, Map Files, & CAD Files
 - Currently Store the Website and Data
- Infrastructure Web Mapping Application
 - Water System
 - Sanitary Sewer System
 - Storm Water System (2/3rds Complete)
 - & Soon Streets Infrastructure

Introduction

- Provides Multiple Users, in the office or in the field, access to important information:
 - Infrastructure Details and Location
 - Service Information
 - Work Order Data
 - Historical Work Orders
 - Condition Reports

Infraseek Mobile Access

- Equipment

- Xplore Tablet ix104

or

- Basic Laptop

- Sprint Broadband PC Card



- Vehicle Docking Stations

Infraseek

■ Modules

■ Work Order

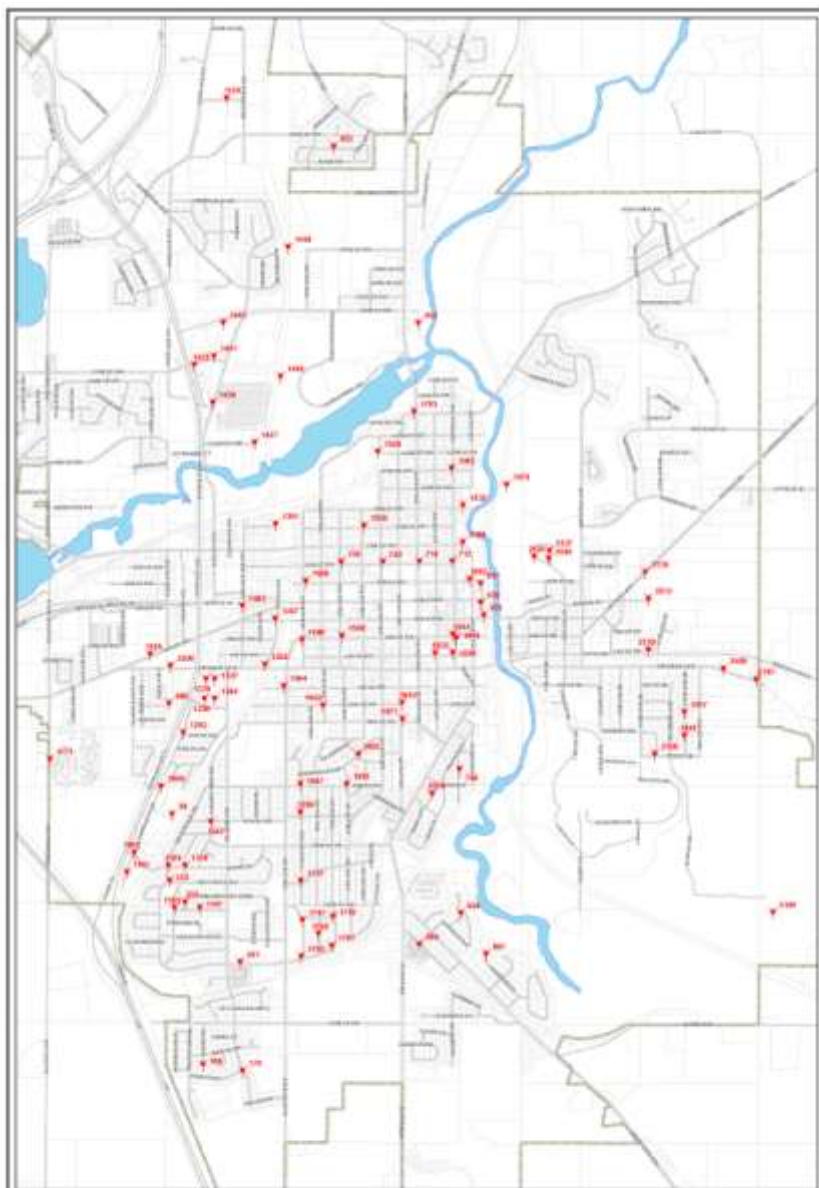
- Work Orders Created/Closed
- View Reports
 - (Condition, Comments, Completed Work)

■ Maintenance

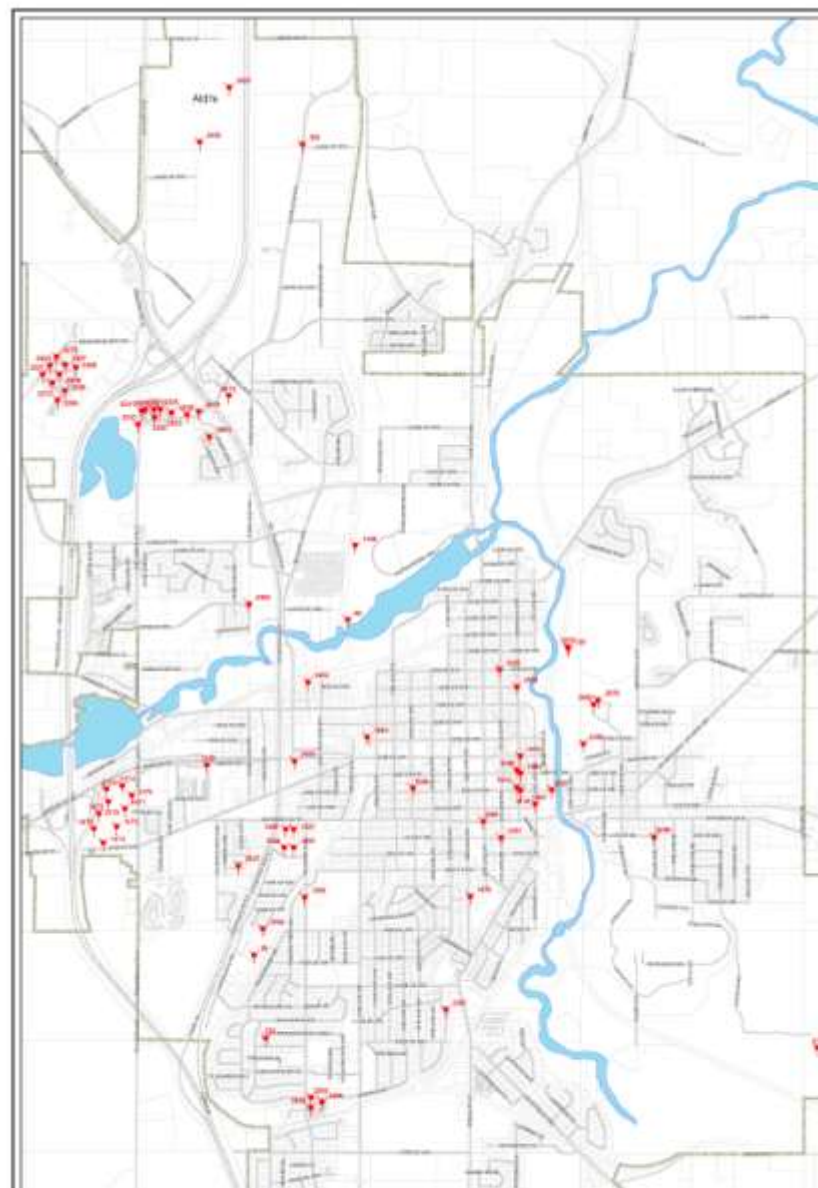
- View Work Order Layers
- Search Water and Sanitary Services

■ Data Entry

- Will be Redesigned into a Streets Dept. Module
- Create/Track Street Maintenance & General/Customer Work Orders

City of Fairbanks
Utilities

Hydrants:
Paint Condition = 3

City of Portland;
Utilities.

Hydrants:
No Flag Marker



Infraseek

Questions???