

County Address Project

Andy Faust, GISP, Senior GIS Analyst
North Central Wisconsin
Regional Planning Commission

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Project Goals

- Create a county-wide driveway point coverage.
- Use to assist with issuing of new addresses and clean up existing
- Clean up tax database
- Use with 911 dispatch system

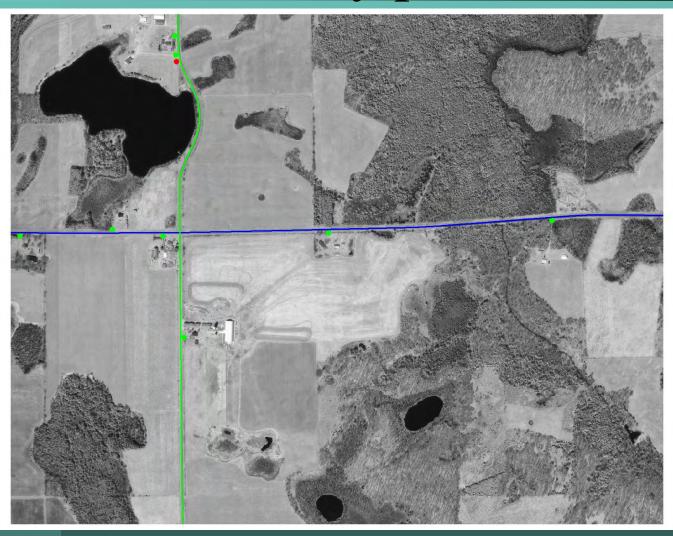
Project Steps

- Create geo-coded centerlines
- 2. Geo-coded driveway point coverage for each primary structure in the county
- 3. Produced error reports & check plot maps
- 4. Field verification
- Fix problem areas
- 6. Create county addressing ordinance

Langlade County Address Project

- Moved the geocode points to location on the photos
- Use existing Address Atlas
- Created codes for each structure point status
- Used Parcel centroids for City & Village

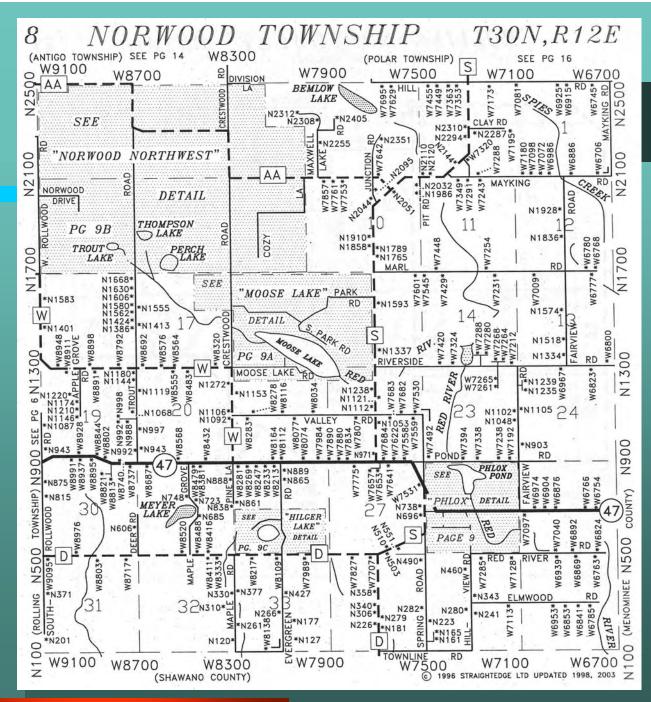
Create a driveway point coverage



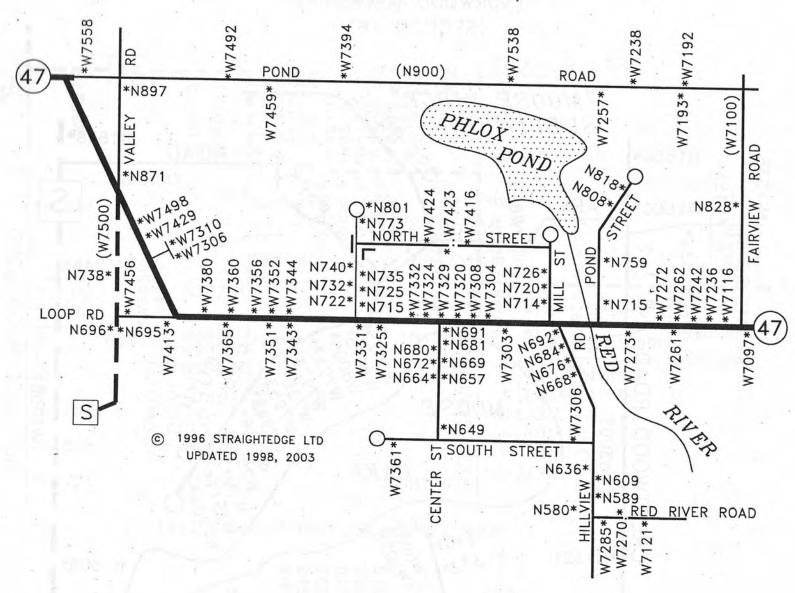
Create a driveway point coverage



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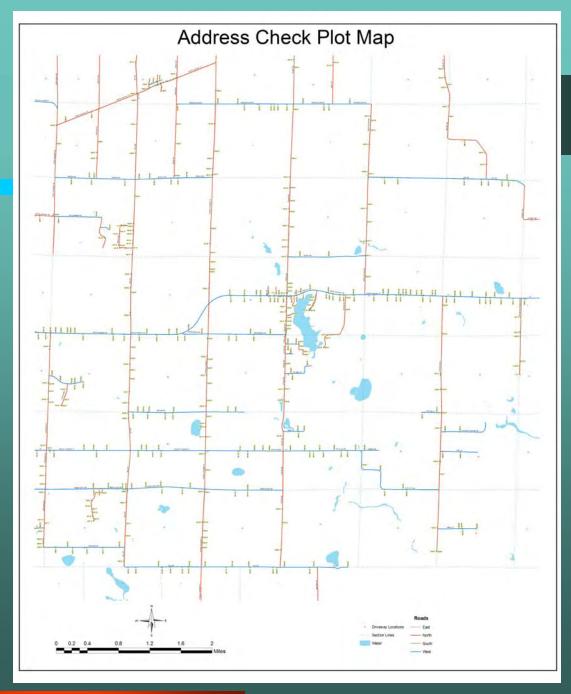
(NORWOOD TOWNSHIP)

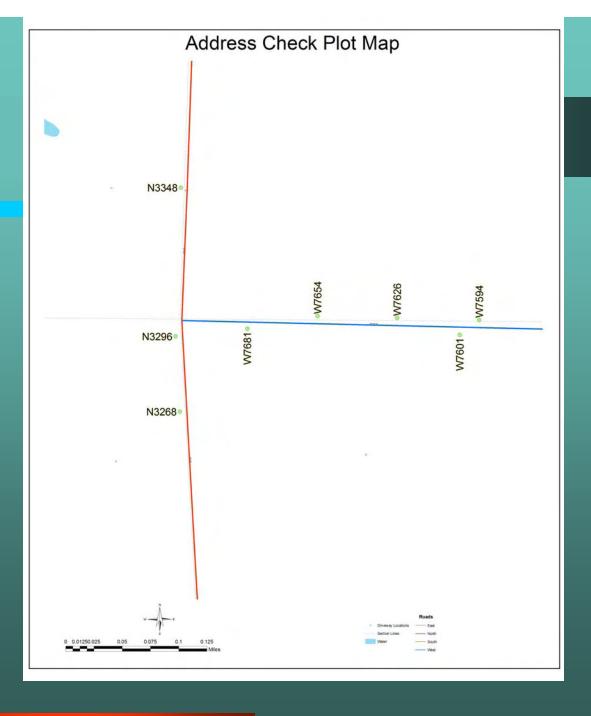


Create a driveway point coverage

Created a code for each structure point status

EPPOP	COMMENT
	Good
	In Database NOT in Atlas
3	In Atlas NOT in Database
4	In Photo NOT in Database or Atlas
5	Field Check
6	In Atlas and in Database BUT unable to Locate
7	Even or Odd # on the wrong side of the road
8	Even or Odd # on the wrong side of the road and not in Database
9	In Atlas NOT in Database and can't locate on photo
10	In Database NOT in Atlas and can't locate on photo
11	House address does not match RD ranging
12	In Atlas NOT in Database and need to Field Check
13	Duplication of house # and out of order
14	In Database NOT in Atlas and need to Field Check
15	Addressed off wrong RD in Atlas on anothoter RD
16	RD needs to be added to place point
17	Even or Odd # on the wrong side of the road in atlas and unable to locate
18	In Atlas NOT in Database and can't locate on photo and Address out of order
19	Address out of order
20	Not within address range of road





Produce error reports

ERROR REPORT

Field Verification

- Field check and verify each address and location
- Drive all 1100+ miles of roads Towns only.
- Produce a verified inventory of all existing address locations

Field Verification Process

Setup Car for field survey.

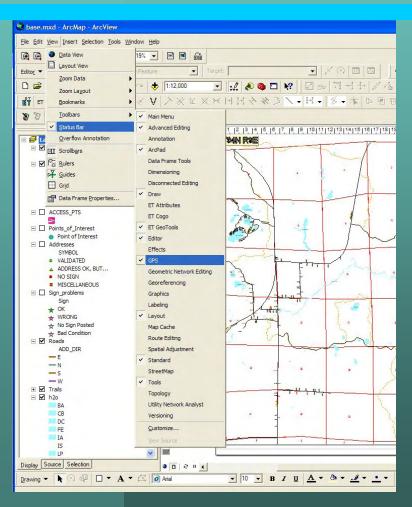


Field Verification Process

- GPS Receiver
 - Rikaline GPS 6010 USB
 - Real-time correction producing 1-5 meter accuracy
 - Output in NMEA protocol to ArcView

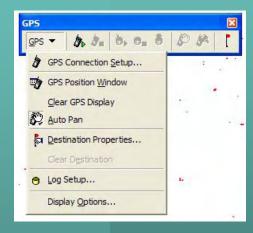


ArcView Setup

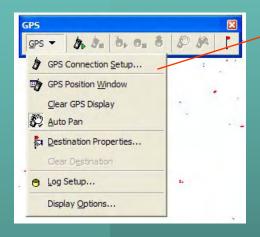


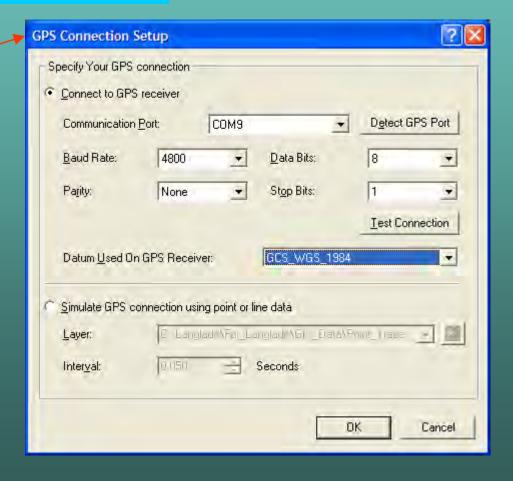
- Add Data
- Projection
- View
 - Toolbars
 - GPS

GPS Toolbar

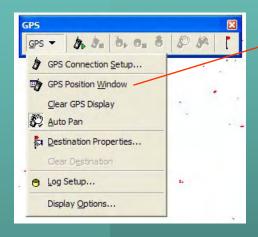


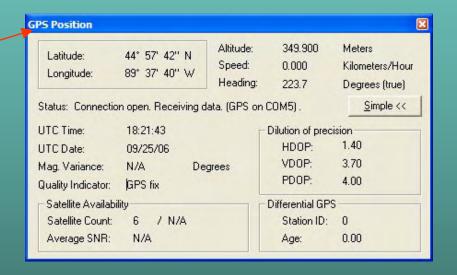
GPS Connection Setup



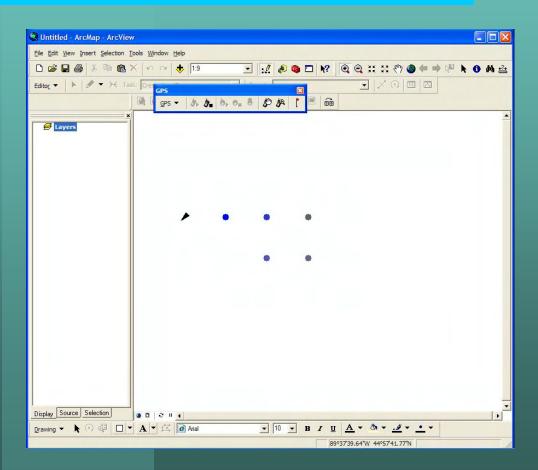


GPS Position



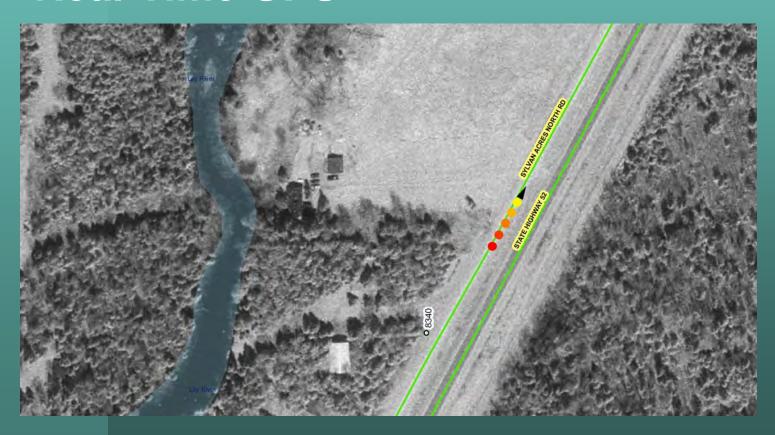


GPS Connection



Field Verification Process

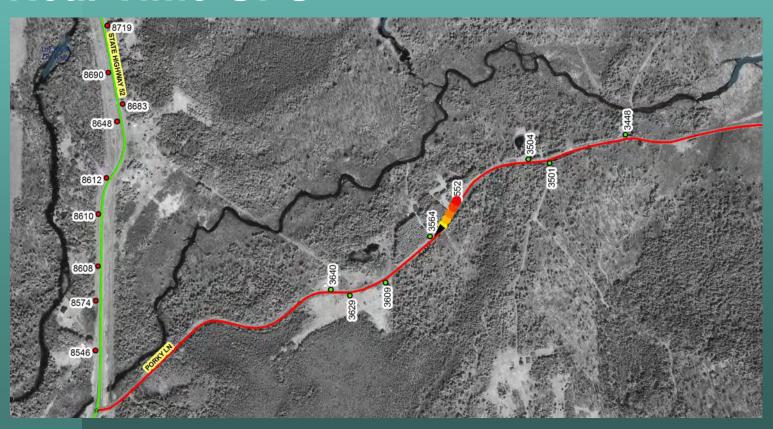
Real-Time GPS



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Field Verification Process

Real-Time GPS



Field Correction Process

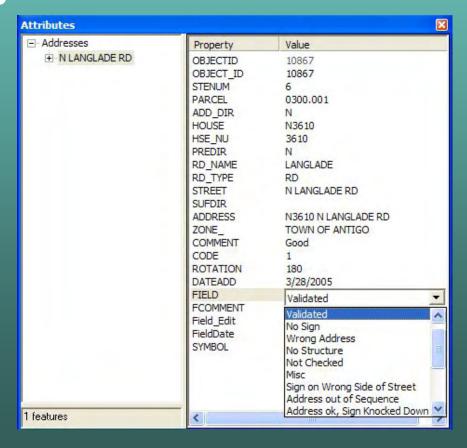


Field Correction Process



Address Coding

- Attribute Codes
 - 1 of 15 codes
 - + field notes
 - Photos



Address Summary – Langlade Co.

- 12802 total addresses in the county
- 4180 City of Antigo and White Lake
- 8622 Address that were field validated
- Over 5 months(35 days) drove about 6,000 miles total

Address Summary

- 8622 Address that were field validated
- 2307 Had problems (27%)
 - 1505 of these could be validated but...
- 802 had real problems (9%)
 - No sign
 - Wrong address
 - Odd Even
 - Out of sequence etc...

Problems – Obstructed - 253



Problems – Obstructed - 253



Problems – Obstructed - 253



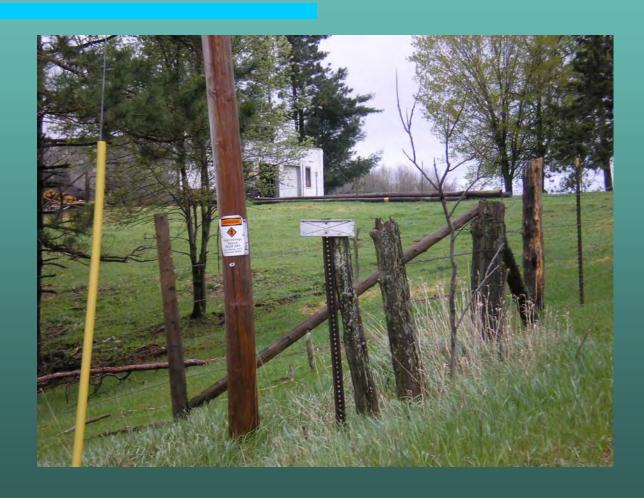
Problems – Damaged - 279



Problems – Damaged - 279



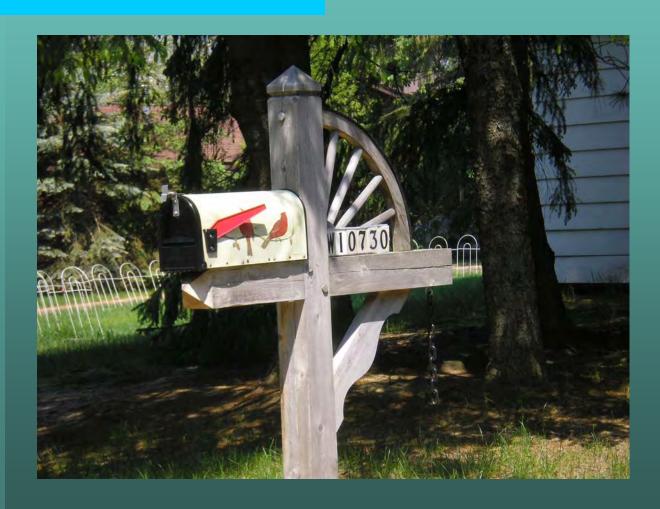
Problems – Damaged - 279



Problems – Placement - 973



Problems – Placement - 973



Problems – Placement - 973



Problems – Placement - 973



Problems – Placement - 973

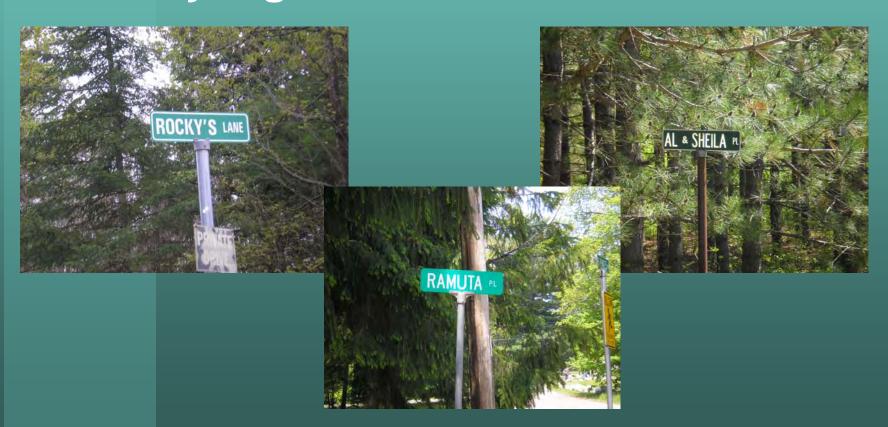


- Street Signs Checked
 - Accuracy
 - Condition
 - Placement
 - Does it Exist



Vanity Signs Located - 54

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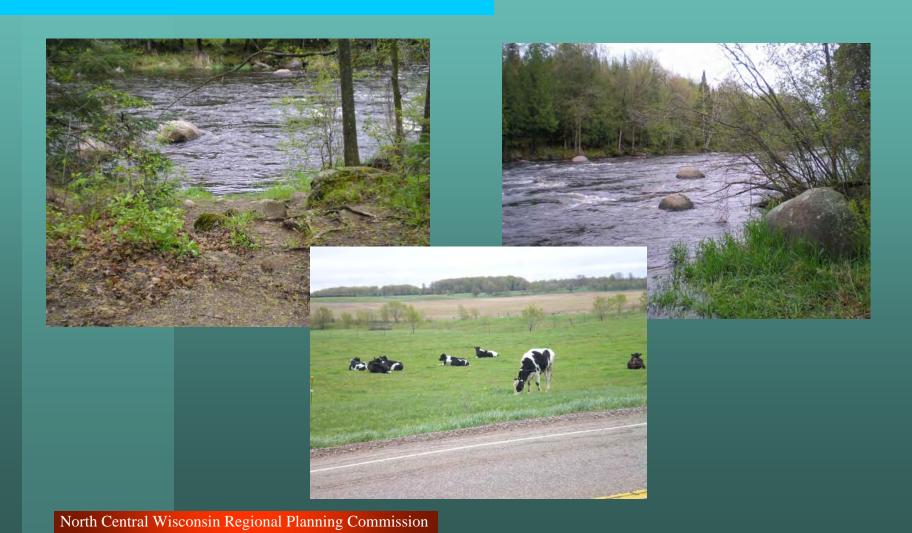
- Road Pavement
 - Paved
 - Unpaved



- POI 224
 - Schools
 - Churches
 - Town Halls
 - Cell Towers
 - Parks
 - Cemeteries
 - Anything else that we thought might be of interest.

- Total 90
 - Boat Launch Access points









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What was learned?

- Resource grade GPS connected to ArcView will work for field work.
- Do some planning before you begin a project of this size.
- Collect other information while you are out in the field.

What was learned?

- Two people are needed to do this work safely.
- Save work often!!!
- Backup Data!!!

Recommendations To County

- Review inventory
- Work with the Towns, City & Village
- Fix problems NOW
- Adopt an ordinance enforcement
- Create procedures for dealing with addressing – STAY CONSISTENT!
- Keep one county department in charge of addressing

Questions

Andy Faust, GISP, Senior GIS Analyst North Central Wisconsin Regional Planning Commission

afaust@ncwrpc.org

www.ncwrpc.org

