Developing Arizona Roads and Addresses

Leveraging Projects, Partnerships and Best Practices to Meet the Needs of Arizona

NSGIC 2015 Midyear
Annapolis, Maryland
Statewide Networks
Leveraging Projects & Partnerships to Meet Arizona’s Needs

- Arizona Broadband Mapping and Planning Project
  - NTIA State Broadband Initiative (SBI – Federal American Recovery and Rehabilitation Act – ARRA) (Federal)
  - Arizona obtained funding to complete roads and addresses for three counties and develop statewide database to improve geocoding of address data

- Arizona Department of Transportation (ADOT)
  - All Roads Network of Linear Referenced Data (ARNOLD) (Federal)
  - ADOT provided funding to complete road development.

- Arizona State Land and the Arizona Geographic Information Council (AGIC)
  - Arizona Geospatial Clearinghouse – AZGEO (State)
  - Committees support clearinghouse, data and application development/maintenance

- Arizona 9-1-1: Arizona 911 Program and 911 Systems
  - Completed road network and address point network for remaining 9-1-1 systems and assist with preparation for Next Generation 9-1-1 (Public)
Arizona Road Network

- 9-1-1 provides public road data to ADOT which improves and completes road network to support 9-1-1
  - Today and Future

- For NG911, allows for QA/QC reporting and maintenance of road:
  - Gaps
  - Overlaps
  - Duplicates
  - Parity
  - Edgematching
Arizona Address Point Network

- Completion of address points to support 9-1-1
  - 477,643 total points
  - Today and Future

- Project Parameters
  - 6 week completion
  - Structure point placement
  - Focused on parcels 20,000 sq. ft. or larger with situs address
  - Utilized university student intern workforce

<table>
<thead>
<tr>
<th>County Address Point Totals</th>
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<tr>
<td>Apache</td>
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<td>58,446</td>
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Meeting the Needs: Sustainability

Spatial ETL

VGI Editing & Ticketing System

NSGIC Suggestions?
Sustainability: Operations & Maintenance

1. To obtain local agency participation, requires definition of the program (standards and target schema), refinement of program components, development of agreements among participating parties, ongoing review and refinement of program.

2. Local data is run through a series of programs and procedures to quality check, using other databases (e.g. ALI, Broadband, utility and others) as available.

3. AZGEO is a secure Clearinghouse with naming conventions, written procedures, intelligent web services with built in criteria checks and meta data tracking.

4. (in development) Processes through Spatial ETL, pushed to public and customer specific models

5. (in development) Public viewer, tied to custodian ticketing system, for adding/deleting, moving or editing individual record attributes
AZGEO
https://azgeo.az.gov
Clearinghouse to share data and applications

Arizona State Land
https://land.az.gov

Arizona Geographic Information Council AGIC
https://arcgis2.geo.az.gov/agic/welcome-agic
Thanks to NSGIC for Providing Information, Networking, Mentoring and Insights into Best Practices

Questions?

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