



One Maryland One Centerline

Esri Mid-Atlantic User Conference
December 11, 2013



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One Maryland One Centerline Project Overview

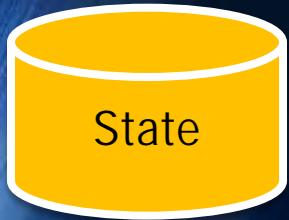
Authoritative Data



Municipality



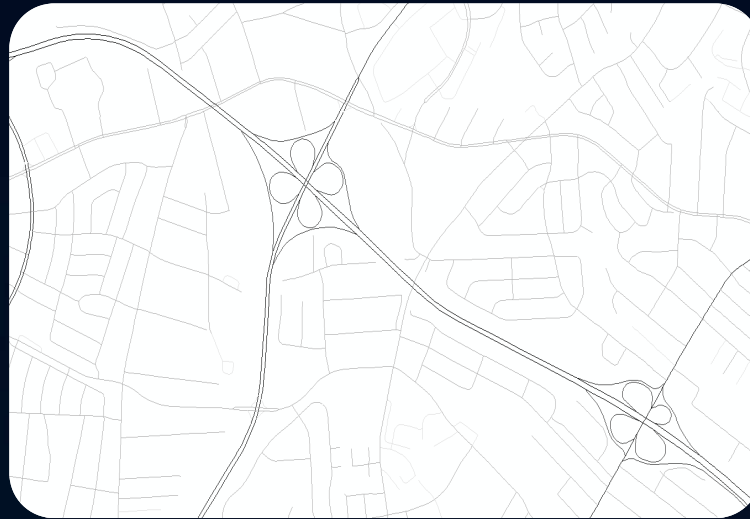
County



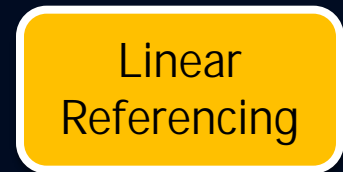
State



One Geometry



Supports Multiple Functionalities



Linear
Referencing



Geocoding



Routing

Purpose

1. Highway Performance Monitoring System (HPMS)
 - provides data that reflects the extent, condition, performance, use, and operating characteristics of the Nation's highways
2. 2012 Moving Ahead for Progress in the 21st Century Act (MAP-21)
 - Authorizes federal funds for the production of statewide centerline data and attribution for all public roads
 - Beginning in 2014, states are required to include dual carriageways and all publicly maintained roads as part of HPMS Submission



Current Centerlines in Maryland

- SHA maintains a statewide centerline
 - Supports HPMS program
 - Geometry and attribution
 - Represents state and local roads (MAP-21)
 - Carry dual carriageways in inventory direction (currently verifying measures in the non-inventory direction – MAP-21)
- Custom in-house tools to maintain LRS and HPMS data at SHA
- Separate statewide centerline for geocoding

SHA's Road Improvement Process

- Paper-based submission to local jurisdictions
 - 23 counties plus Baltimore City
 - 146 municipalities
- Paper-based submission of updates back to SHA
 - GIS updates added manually by SHA staff
 - Field verification and GPS capture



Where We Are Now

- Drafted business plan
- Procuring Esri Roads & Highways
- Outreach
 - MD counties & municipalities
 - Other state agency stakeholders
 - Regional governments
 - Other state and local DOTs
- Coordination with MD GIO's Office Address Point Initiative
- Exploring implementation options

Where We're Going

- Define implementation requirements
- Leverage authoritative data sources
- Equal state and local partnerships
- Routine meetings and information exchange with stakeholders
- Collaboration with neighboring jurisdictions
 - Mid-Atlantic Centerline Steering Committee
 - MWCOG / BMC / Tri-County Council
 - State Roads and Highways Users Group Meetings



Schedule

- Spring 2014 – Meet face to face with all local (county and municipal) jurisdictions and other state agency stakeholders
- Winter 2014 – Esri Roads and Highways implemented internally at SHA
- Summer 2015 – Pilot Road Inventory Submission Process with select counties
- Summer 2016 – State-wide local jurisdiction participation with integrated local data

Lessons Learned

- Leverage past experience of others
- Everyone has an equal voice
- Acceptance of local geometry and attribution as is
- Collaboration goes a long way
- Top-down support

Contact Us

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