



Maryland State Geographic Information Committee

A commitment to excellence in the development and coordination of geographic information technologies.

State Updates

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Department of Information Technology (DoIT)

Master Contract for GIS Software

Statewide Imagery Program

Statewide Training Program

MD iMAP

LiDAR Downloads

MD iMAP Portal Batch Geocoder

New/Updated Services and Dashboards





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Master Contract for GIS Software

- RFP Issued on 4/1
- Responses due 4/22
- Three Functional Areas
 - Desktop/Server Software
 - Mobile Software
 - Software Maintenance and Support
- On eMarylandMarketplace
- View RFP at <https://t.co/ftXR6VByZl>
- Not a Services or Training Contract





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Statewide Imagery Program

Eastern Shore Imagery Project 2016

- Axis/AECOM Team
- 9-1-1 Board funded - Project # 16-023: \$494,819
- Cecil County local sponsor
- 6 inch (Eastern Shore + Howard) + Buy-ups
- Tentative Project Schedule
 - Acquisition to be completed by 03/05/16
 - All aero-triangulation to be completed by 04/20/16
 - Pilot area ready for review by 5/18/16
 - First ortho deliveries to AECOM by 06/21/16
 - Review by Local Partners
 - Services and Data Downloads to MD iMAP





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Statewide Training Program

- Three In-Person Courses
 - Thinking Spatially (formerly Intro to GIS, MD iMAP and ArcGIS Online)
 - Intro to ArcGIS Desktop and MD iMAP
 - Intermediate ArcGIS Online and MD iMAP
- Online Course – Thinking Spatially - now available!
- As of April 2016
 - 28 total training sessions conducted
 - 246 total students attended
- Calendar of trainings and seats available on MD iMAP Portal
- Looking into expanding beyond State employees
- Intermediate Course – 6/7 @ Towson University





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MD iMAP LiDAR Downloads

- Pre-Defined DEMs
 - Via Dropbox
 - Include metadata, overview pyramids, and bare earth DEMs
 - Downloads by County
- Pre-Defined Point Cloud
 - LAS files by county coming soon
- Focused Areas
 - Via LiDAR Download Tool coming soon

LiDAR – <http://imap.maryland.gov/Pages/lidar-download.aspx>





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MD iMAP Portal Batch Geocoder

- Web Interface for Geocoding
- Up to 1000 records at a time – Single or Multi Line
- Uses MD Composite Locator
- Drag and Drop a CSV, XLS, XLSX or TXT file

Choose File No file chosen

Download this address table template to populate and submit address for matching.

There are 523 addresses to be geocoded.

OBJECTID	Address	County	Town	Total Cost	Agency	Category	Program
86	520 West North Avenue	Baltimore City	Baltimore	3165000	DHMH	Health and Environment	Qualified Heat Centers Grant Program
94	4101 Old York Road	Baltimore City	Baltimore	4820000	DHMH	Health and Environment	Community Health Facility Grant Program
144	1675 Woodbrooke Drive	Wicomico	Salisbury	5701000	DHMH	Health and Environment	Federally Qualified Heat Centers Grant Program

Address:

City:

State:

ZIP Code:

Single-Field Address

Multi-Field Address



Matched: 311 Unmatched: 212 Total: 523

Find tips on how to format addresses to improve matching on the [MD iMAP Address Look-up Page](#).

OBJECTID	Matched Address	Agency	Y Coordinate	Locator Used	Category	Program	Project
	305 S CHURCH ST, SNOW HILL, MD, 21863	PSCP	38.168845	Local Address Points	Education	Public School Construction Program	Snow Hill School
146	7505 GUMBORO ROAD, PITTSVILLE, MD, 21850	MDE	38.39636	Local Address Points	Health and Environment	Water Supply Financial Assistance Program	Pittsville W Treatment Upgrade -
145	32000 CAMPUS DR, SALISBURY, MD, 21806	MUSC	39.272006	Local Address	Education	Community College	Wor-Wic - and Admin Building





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MD iMAP New & Updated Services

NAIP 2015 ***NEW***

State Facilities ***NEW***

USNG ***NEW***

SHA Color Basemap ***UPDATED***

Floodplain ***FEATURE SERVICE***

Traffic Cameras ***NEW***

- Submerged Aquatic Vegetation ***UPDATED***
- American Community Survey ***UPDATED***
- Housing Designated Areas ***NEW***
- Annual Average Daily Traffic ***NEW***
- Blue Infrastructure ***NEW***
- MVA & VEIP Locations ***UPDATED***
- Stream Health ***NEW***





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MD iMAP New Apps

<http://imap.maryland.gov/Pages/map-gallery.aspx>

Transportation

Municipal Maps (SHA)

MD Traffic Volume (MDOT)

MD Bridges in Black & White (MDOT/SHA)

Truck Volume County Maps (SHA)

Highway Index Maps (SHA)

County Maps (SHA)

Roadway Maintenance Responsibility (MDOT)

Education

Baltimore City Schools (INSPIRE) (MDP)

Growth, Planning & Revitalization

Sea Level Rise & Historic Properties (MDP/MHT)

Environment

Recreation Atlas (DNR)





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Maryland Department of Planning (MDP)

- Finder Online Relaunched
 - No longer in Adobe Flash, uses Esri JavaScript Web App Builder
 - Contains new Labeling and Selection tools not in prior version
 - Additional planning layers on top of Parcels

<http://planning.maryland.gov/finderOnline/finderonline.html>



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Maryland State Highway Administration (SHA)

- Asset Management Dashboard
 - JavaScript/HTML5 App
 - Completed for Two Assets
 - Bridge Condition
 - Pavement Overall Condition
 - Message tabs for communicating
 - Trends – “What is Happening?”
 - Mitigation Strategies – “What is SHA doing?”
 - Public Release Date TBD by Administration





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Maryland State Highway Administration (SHA)

- Mobility & Economy Dashboard
 - JavaScript/HTML5 App
 - Mobility is a key performance area (KPA) at SHA which aims to "Support Maryland Economy and Communities with Reliable Movement of People and Goods". This dashboard aims to identify successes, challenges, and strategies being utilized to improve the transportation services SHA delivers to Marylanders and the traveling public. This effort aims to drive investment related decisions and make the best use of transportation revenues using data driven performance based approaches.
 - Public Release Date TBD by Administration





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Maryland State Highway Administration (SHA)

- Internal Enterprise GIS (eGIS) Migration
 - Flex to JavaScript/HTML5
 - Enterprise-wide GIS system that serves all of SHA. The eGIS program provides a secure, easy-to-use environment for searching, viewing, and reporting spatial data over a set of basemaps that provide support to the day-to-day information needs of stakeholders.
 - Over 2400 users all-time including 90 non-SHA users within TSO
 - 50 tools and 58 content themes
 - Estimated FY17 completion





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Maryland State Highway Administration (SHA)

- Roads and Highways Implementation
 - SHA data currently in staging/testing environment
 - Training SHA team on using Roads and Highways Desktop and Roadway Characteristics Editor (RCE)
 - Working on migrating SHA Roadway Event data
 - Snap-To Point Reviewer
 - Released to Local Jurisdictions for reviewing points of intersection of roadway geometry between jurisdictions for the purpose of edge matching
 - Please contact Marshall Stevenson (mstevenson@sha.state.md.us) to participate or for any additional questions about Roads & Highways or One Maryland One Centerline
 - Roads Closure Tracking Application
 - Soft Launch – Gathered user feedback
 - Will be moving to Production in the coming weeks





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Maryland State Highway Administration (SHA)

- "Know Your Roads and Who to Call"
 - Allows citizens to find out who is responsible for roadway maintenance of all public roadways in the State
 - Citizens have access to information on how to submit a maintenance request, e.g. plowing, potholes, etc.
 - In the near future SHA will be reaching out to municipalities for their information on how to submit a maintenance request





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Maryland State Highway Administration (SHA)

- Map 21 Story Board
 - Transition to a performance and outcome-based program. States will invest resources in projects to achieve individual targets that collectively will make progress toward national goals.
 - Measures (Programs)
 - Asset (NHPP) or System Preservation (safe bridges, reduce vehicle maintenance, improve transportation system)
 - Safety (HSIP) (improved turning movements, ad campaigns)
 - Air Quality (CMAQ) (improving environment, healthy Chesapeake Bay)
 - Freight (movement of goods and services on time)
 - Completed Safety and Congestion and Air Quality content programs and initiatives
 - Asset Management, Environmental Stewardship and Project delivery initiatives are in progress
 - Release date has not been determined

