

# Connect to MDOT's WiFi

- Network is Guest2
- Password is !Mtdsoot10



DEPARTMENT OF  
INFORMATION TECHNOLOGY



# Meeting #6

6/12/2015

# COUNCIL ON OPEN DATA



DEPARTMENT OF  
INFORMATION TECHNOLOGY

## Welcome and Introductions

Luis Estrada,  
Deputy Secretary  
Department of Information Technology

Kevin Conroy, Vice Chair  
StateStat Director  
Office of the Governor



- News Items
- Esri ELA Update
- Update on SDAT & MDP Real Property
- Open Transit Data Statewide
- Most popular search terms on data.maryland.gov
- Update on StateStat Data Templates
- Implementation of changes to law on Automated Mapping
- New ArcGIS online organization for inter-jurisdictional data sharing.
- New Socrata APIs & New Endpoints
- Update on federated search between data.maryland.gov and imap.maryland.gov
- ~~Statewide Data Inventory: Feedback Needed for Draft Form~~
- Preview of Operating Budget Visualization
- Open Discussion

- New staff at DoIT
- General Assembly: Joint Committee on Legislative Information Technology and Open Government
  - September: An organizational meeting and briefing from the Council of on Open Data on activities and recommendations
  - November: ...additional information technology or open government initiatives proposed by the Governor.
- MD iMap and Open data executive orders
- FME Server for extract transform and load to Socrata or Esri

# 2014 Council Report to Governor & Legislature Status of Recommendations (every meeting) Barney Krucoff

# Report

- ON OR BEFORE JANUARY 10 OF EACH YEAR, THE COUNCIL SHALL REPORT TO THE GOVERNOR AND THE GENERAL ASSEMBLY, IN ACCORDANCE WITH § 2–1246 OF THE STATE GOVERNMENT ARTICLE, ON THE ACTIVITIES OF THE COUNCIL FOR THE PREVIOUS YEAR AND ANY RECOMMENDATIONS FOR LEGISLATION.

# Joint Committee on Legislative Information Technology and Open Government

## Senators

George C. Edwards  
J.B. Jennings  
Nancy J. King  
Katherine Klausmeier  
Nathaniel J. McFadden

## Delegates

Mary Beth Carozza  
Anne R. Kaiser  
Warren E. Miller  
Dan K. Morhaim  
Michael L. Vaughn

## Committee Staff

Kathryn H. Selle  
Lisa J. Simpson

## Esri ELA Handshake (what's the same)

- Unlimited deployment rights
  - **ArcGIS for Desktop:** Advanced, Standard, and Basic
  - **Desktop extensions:** 3D Analyst, Data Reviewer, Geostatistical Analyst, Network Analyst, Publisher, Schematics, Spatial Analyst, & Workflow Manager
  - **ArcGIS for Server:** Enterprise and Workgroup (Advanced, Standard, and Basic)
  - **Server extensions:** 3D Analyst, Geostatistical Analyst, Image Extension, Network Analyst, Schematics, Spatial Analyst, and Workflow Manager
  - **ArcGIS Engine and extensions**
  - **ArcGIS Runtime and extensions**
  - **Mapping and Charting solutions**

## Esri ELA Handshake (what's the same)

- Limited deployment rights
  - **Esri Developer Network (EDN) Standard:** 10 annual subscriptions
  - **CityEngine 2 Advanced licenses**
  - **Roads & Highways for Server:** 2 Server extensions
  - **Roads & Highways for Server:** 1 Staging extension
  - **Roads & Highways for Desktop:** 6 extensions
  - **GeoEvent Processor:** 2 4-core licenses
  - **GeoEvent Processor:** 2 4-core staging licenses
  - **ArcGIS for Aviation:** 2 single use licenses (new)

## Esri Handshake (what's new)

- ~~**ArcGIS Pro for Desktop:** ArcGIS Pro for Desktop Advanced, Standard, and Basic up to 1500 named users. (did not make into final agreement)~~
- ~~**ArcGIS Pro for Desktop extensions:** 3D Analyst, Spatial Analyst, Network Analyst, Workflow Manager, and Data Reviewer up to 500 named users.~~
- **ArcGIS Online:** Organizational account with *unlimited* named users and **62,500 annual service credits** named users must be employees or contractors of the State of Maryland.
- **ArcGIS Online:** Additional Organizational Account with up to **250 named users and 37,500 annual service credits**. Name users may be employees or contractors of any local government regional government, universities or public authority within the State of Maryland.
- **Annual User Conferences:** Annual 20, Fed 40 registrations

- Real Property dataset demoed at previous meeting is now accessible to users who wish to be Beta testers.
- All views of the data are currently private. You will need a Socrata account and for your Socrata account to be granted access to access any of the views below.
- Three main ways to access the Beta dataset at this time:
  - (Recommended) Using the Data Lens view, which takes advantage of the new Socrata backend. Loading the data using this link should be orders of magnitude faster than loading data through the old frontend. Link:  
<https://data.maryland.gov/view/sjn4-j6z3>
  - Using the old backend default view, a data table. Link:  
<https://data.maryland.gov/Business-and-Economy/Beta-Maryland-Statewide-Real-Property-Assessments-/ed4q-f8tm>
  - Using the old backend “single record” view, where one property at a time is visible. It is easier to see all fields at once in this view. Link: <https://data.maryland.gov/Business-and-Economy/Beta-Single-Record-View-for-Maryland-Statewide-Rea/mcm3-hyx9>

## Update on SDAT & MDP Real Property Dataset on [data.maryland.gov](http://data.maryland.gov): Beta Testing Version now Available

- Open Data Council members wanted to Beta test. Sign up sheet being distributed today.
- For users not in today's meeting, access to the Beta test can also be granted. Access has been provided to Director of P.G. Stat (Prince George's County) and a private real estate firm so far.
- No hard criteria on how many Beta testing users will be allowed total – but DoIT reserves the right to prevent new users from gaining Beta access at a later date, if too many users request Beta access.

## Update on SDAT & MDP Real Property Dataset on data.maryland.gov: Beta Testing Version now Available

- Main goal of the Beta test is to gather user input before the public, live release.
- Additional counties' data are being loaded during the Beta test – not all counties' data are loaded yet.
- Please send all feedback to [josh.exler@maryland.gov](mailto:josh.exler@maryland.gov) and [barney.krucoff@maryland.gov](mailto:barney.krucoff@maryland.gov).
- Which fields require more explanation, e.g., decoding, field descriptions, or additional information in the documentation?

# Introduction to TRIP

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<http://mdtrip.org>

1-877-331-TRIP



*Central Maryland Regional Transit*

# TRIP Mission

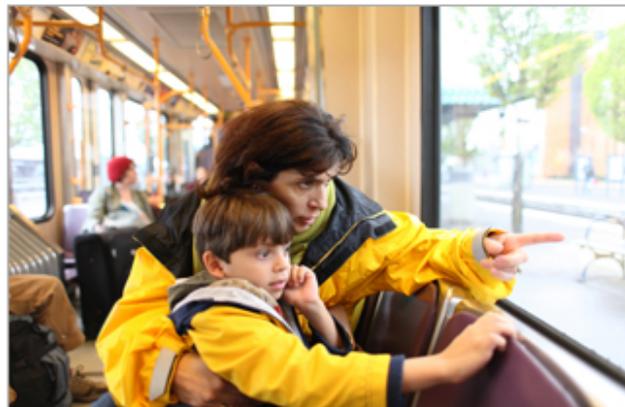
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The Transportation Resource Information Point (TRIP) team creates and maintains General Transit Feed Specification (GTFS) files for Locally Operated Transit Systems (LOTS) as most LOTS do not have GIS staff. GTFS is publically available and used by Google Maps, Bing Maps, the new Apple Maps (allegedly) and many smaller apps targeted at particular regions or audiences. 909 Transit Agencies are published on the GTFS Data Exchange Site.

Federal Transit Administration funding allows for this to continue in an ongoing basis for Central Maryland.

The Veterans Transportation and Community Living Initiative grant expands this to the rest of Maryland, providing 12 months to build feeds and train LOTS on upkeep.





**TRIP** is a one-stop website for all things transit in the Baltimore metropolitan region. We provide customers, human services agencies and partner organizations with a wealth of information on a wide range of transit services. In addition, we provide a hotline for immediate assistance—just dial **1- 877-331-TRIP (8747)**.

### NEWS & ANNOUNCEMENTS

Please choose county or service provider to view news articles in that particular area.

Choose a County **OR** Choose a Provider

- |                       |                          |
|-----------------------|--------------------------|
| Anne Arundel County ▲ | A A County Cab ▲         |
| Baltimore City ▾      | A A Taxi Inc ▾           |
| Baltimore County ▾    | A Absolute Airport Tax ▾ |
| Carroll County ▾      | AAAA Star Transport ▾    |
| City of Annapolis ▾   | Accessible Taxi ▾        |

SUBMIT >

[Trip Planner](#) | 
 [Transit Directory](#) | 
 [Real Time Departures](#)

You must allow popup windows in your browser to enable the Trip Planner to work.

Start  End

When  Time  :   on

PLAN TRIP >

Powered by 

### SERVICE ALERTS

Please choose county or service provider to view service alerts in that particular area.

Choose a County **OR** Choose a Provider

- |                       |                          |
|-----------------------|--------------------------|
| Anne Arundel County ▲ | A A County Cab ▲         |
| Baltimore City ▾      | A A Taxi Inc ▾           |
| Baltimore County ▾    | A Absolute Airport Tax ▾ |
| Carroll County ▾      | AAAA Star Transport ▾    |
| City of Annapolis ▾   | Accessible Taxi ▾        |

SUBMIT >



#### Accessibility

Features, laws and transit options for riders with disabilities



#### Schedules, Maps & Fares

View information for all available transit options



#### Alternative Commute

Carpooling, bicycling and other commuting options.

# 1-877-331-TRIP (8747)

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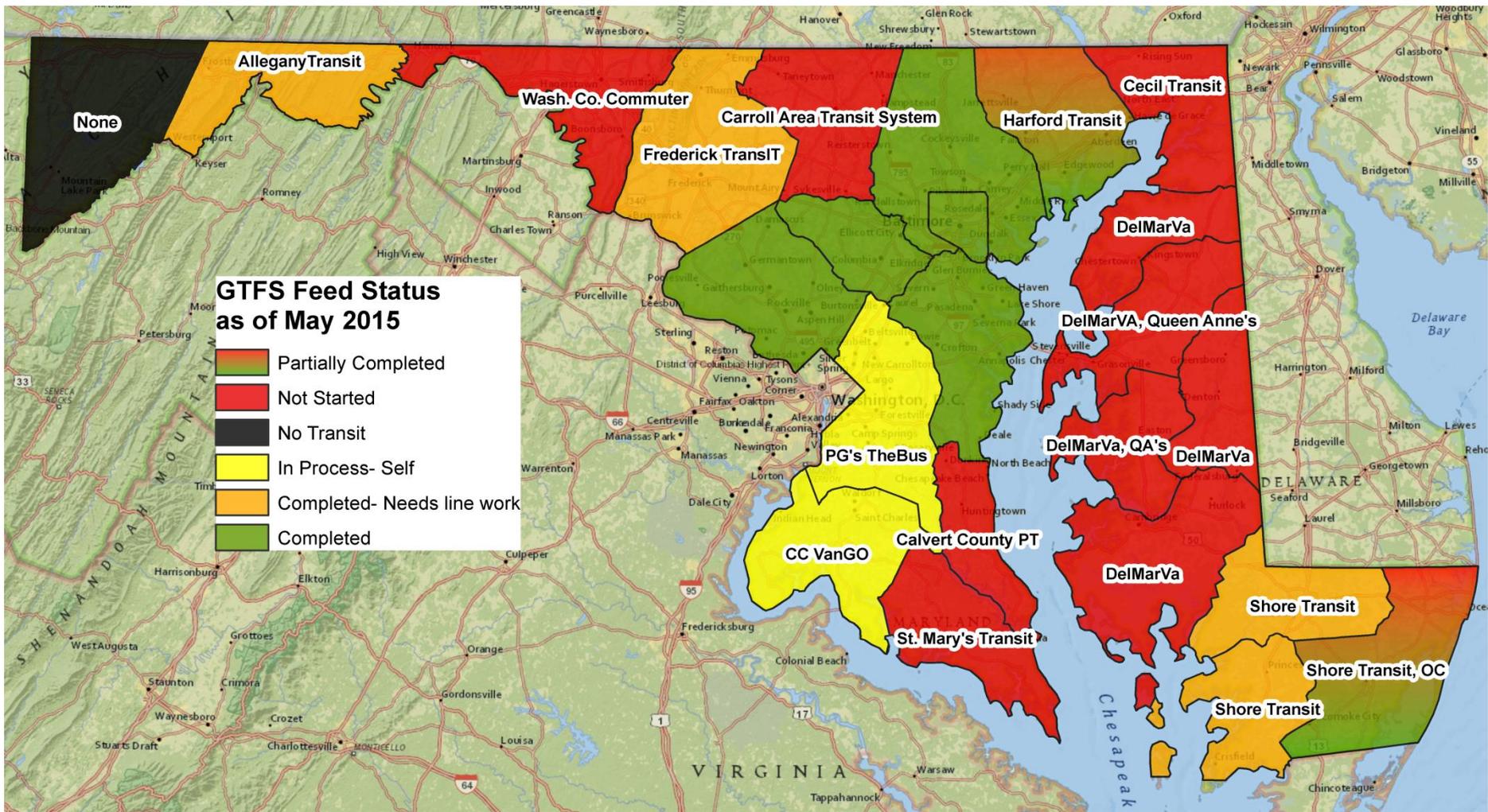
## Hours

- Mon-Fri: 5am-6:30pm
- Sat: 7am-5pm
- Sun: 8am-4pm

## Services

- Trip Planning
- Fare Information
- Service Alerts
- General Inquiries





These are the Primary LOTS serving all riders outside of Central Maryland. Many other LOTS serve singular interests or populations such as Veterans and Enlisted, Universities, Elder Care Facilities, are not listed here.





139 King George St, Annapolis, MD 21401  
195 Jennifer Rd, Annapolis, MD 21401

Leave now

We don't have the most recent timetables for this route.

4:00 PM - 4:27 PM

Green Purple

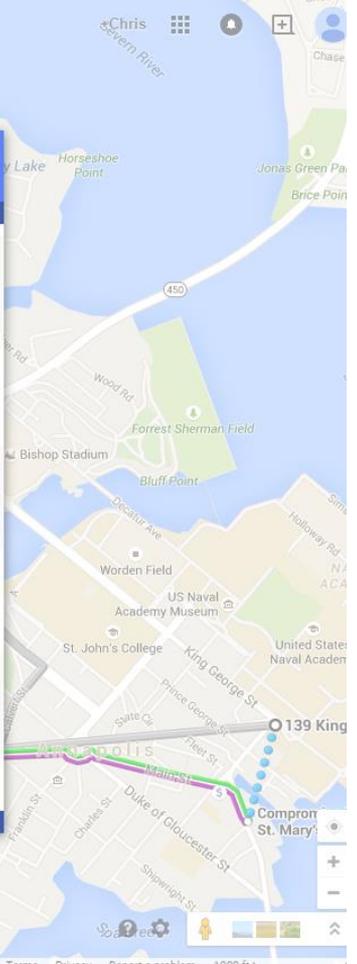
4:06 PM from Compromise St. at St. Mary's St. wb  
\$2.00 9 min every 30 min

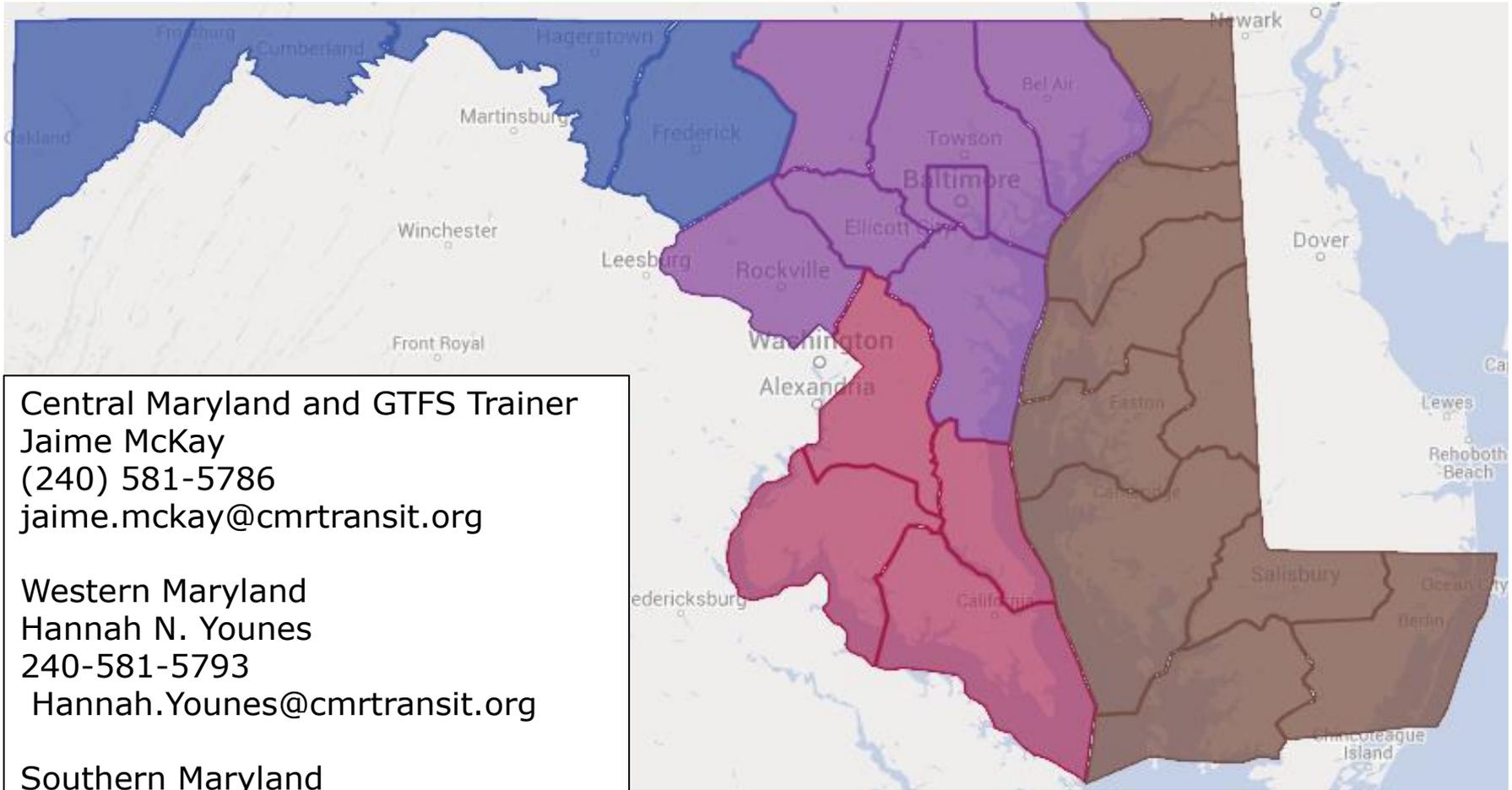
Details

921

Schedule explorer

Leave now	3:49 PM	Fri, May 29	Route Options
4:00 PM	4:00 PM	5:00 PM	6:00 PM
	4:00 PM - 4:27 PM - 27 min Green		
	4:30 PM - 4:57 PM - 27 min Green		
	4:40 PM - 5:07 PM - 27 min 921		
	5:00 PM - 5:27 PM - 27 min Green		
	5:09 PM - 5:38 PM - 29 min Gold		
	5:25 PM - 5:52 PM - 27 min		
4:00 PM	5:00 PM	6:00 PM	





**Central Maryland and GTFS Trainer**

**Jaime McKay**

**(240) 581-5786**

**jaime.mckay@cmrtransit.org**

**Western Maryland**

**Hannah N. Younes**

**240-581-5793**

**Hannah.Younes@cmrtransit.org**

**Southern Maryland**

**Andrew Barrows**

**240-581-5794**

**Andrew.Barrows@cmrtransit.org**

**Eastern Shore**

**Tim Wilke**

**240-581-5795**

**Tim.Wilke@cmrtransit.org**

**Statewide Expansion Project Manager**

**Chris Firehock**

**240-581-5776**

**Chris.Firehock@cmrtransit.org**

**Transportation Resource Information Point**

**www.mdtrip.org**

**877-331-TRIP (8747)**

# Jan. 1<sup>st</sup> 2015 through June 11<sup>th</sup> 2015

## Top Search Terms

Name	Count
transit	24,590
housing	23,607
crime	22,063
permits	21,374
health	21,235
restaurant inspections	19,204
mta	7,318
transportation	787
county	707
vehicle	571
Biological	275
bus	219
affordable	177
compare counties tax	143
surface	130
MTA	129
dpscs	127

Most popular  
search terms on  
[data.maryland.gov](http://data.maryland.gov)

## May 2015

## Top Search Terms

Name	Count
transit	12,407
housing	11,794
permits	11,270
crime	10,756
health	10,618
restaurant inspections	9,648
mta	1,821
vehicle	108
transportation	92
dpscs	54
Biological	48
county	45
impervious	45
"department-wide totals"	44
surface	42

Most popular  
search terms on  
data.maryland.gov

# June 2015

## Top Search Terms

Name	Count ▾
transit	3,598
housing	3,285
crime	3,157
health	2,843
permits	2,764
restaurant inspections	2,577
mta	2,154
transportation	74
anne arundel county	57
dhcd	43
license	39
county	35
<a href="#">"department-wide totals"</a>	32
vehicle	26
affordable	26

Most popular  
search terms on  
[data.maryland.gov](http://data.maryland.gov)

# Update on StateStat Data Templates: DPSCS Facility-Specific Data Template now Fully Loaded

- Directory for DPSCS Facility-Specific data template now links to reports for all prisons and jails. 30 reports total: 26 facilities + Region Totals (3) + Department-Wide Totals (1)
- Link: <https://data.maryland.gov/Public-Safety/DPSCS-Data-Templates-Directory/rvm2-6rkn> (prominently linked to on home page of Open Data Portal)
- Approximately 70 data series are tracked for each facility, some going back as far as July 2005.
- For each facility, approximately new 1,200 bivariate correlations are run each month. Only those which are found to be statistically significant at or below the 0.1 level ( $p \leq 0.1$ ) are included in the online reports.
- Each report in the directory contains links to:
  - View the report as a data table
  - View the report one month at a time (the “single month view”)
  - List all graphs generated from the report in one catalogue search result

# Update on StateStat Data Templates: DPSCS Facility-Specific Data Template now Fully Loaded

Follow-up items from the previous meeting:

- Excluding data series from the correlations testing is now implemented. Add a “~” character anywhere in the data series name and it will not be tested against other data series for correlation.
- Changing the cutoff for statistical significance is now implemented. There is an optional argument function for a custom significance level. Leaving out this argument results in the default level, 0.1.
- Now planning to automatically generate meta-analyses to find the most important stories in the data month to month without the need for statistical literacy. Examples: biggest changes since previous month; data missing this month; new relationships found since previous month.

# Then click through to the documentation for the new endpoint...



Welcome to this [The State of Maryland API](#), powered by [Socrata](#)

For more information on how to access this dataset via the [Socrata Open Data API](#), read on. Additional information on [query functionality](#), [code samples](#), and [libraries](#) can be accessed using the navigation above. *Happy hacking!*

## DPSCS Facility-Specific Data Template

⚠ *Heads up!* A new, improved version of this API is available for your use. [Go check it out,](#) or read on for details on how to migrate.

## DPSCS Facility-Specific Data Template

👍 *Good to go!* You're already using the latest version of this dataset API.

- Notes on using the new endpoints:
  - The formats of the old and new endpoints are identical.
  - The only difference is that each dataset, and therefore each endpoint, has a new identifier (all datasets have unique identifiers).
  - Example for DPSCS Facility-Specific Report dataset
    - Old Endpoint: <https://data.maryland.gov/resource/jvzm-w72t.json>
    - New Endpoint: <https://data.maryland.gov/resource/7hn9-a5r6.json>
  - **No central location yet to find all new endpoints in one place.** Old endpoints can be found at <https://data.maryland.gov/data.json?version=2> but this does not yet include the new endpoints.
  - Therefore, updating applications to take advantage of the new endpoints will require that you manually look up each new endpoint you want to access, one at a time.

## Recent activity

# SB094 Amends State Government Section 10-901 through 10-905 Automated Mapping

1992 statute with the goal of sustainably funding the first generation of digital maps.

- ~~• “Governmental units may charge ... “a reasonable share of the overhead costs of the system.”~~
- ~~• “Only a person who has entered into a contract with a governmental unit may have on-line access to the geographic data in a system under the terms of the contract.”~~

## Recent activity

# SB094 Amends State Government Section 10-901 through 10-905 Automated Mapping

A blue, multi-pointed starburst shape with a black outline, containing white text.

Please inform DoIT  
if you encounter  
practices that run  
counter to the  
revised law.



DEPARTMENT OF  
INFORMATION TECHNOLOGY

# Maryland's New Local Centric ArcGIS Online Organization MD GEO SHARE



[HOME](#) [GALLERY](#) [MAP](#) [SCENE](#) [GROUPS](#)

[Sign In](#)



MARYLAND GEO SHARE  
State & Local Data Sharing

[MD iMAP Portal](#)

[Open Data Portal](#)



## Maryland Geo Share

**ArcGIS Online:** Additional Organizational Account with up to **250 named users and 37,500 annual service credits.**

Name users may be employees or contractors of any local government regional government, universities or public authority within the State of Maryland.

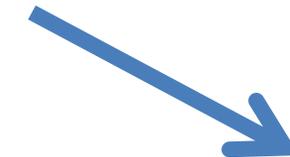
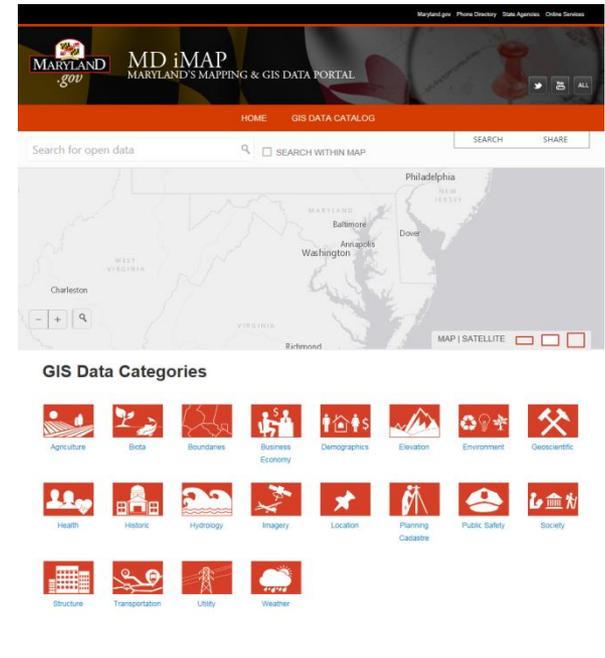
## Maryland Geo Share Mission

**Publicly** sharing GIS data & tools to support decision makers with information that helps Maryland's Citizens.

Or

**Privately** sharing GIS data among government agencies to support public missions such as providing situational awareness during emergencies and recovering from disasters.

- Public & Secure options
  - Fast track to MD's iMap open data catalog
  - Sensitive data, but pertinent to Emergency Managers remains secure
- Initial Damage Assessment Tools



## How we Organized the AGOL Organization

- DoIT staff administers accounts, groups, and settings
- Publishers (creators/maintainers) are the local GIS managers/specialists
- Users can create/edit/update & view data/dashboards/apps

# User Roles are Limited

## General Privileges

### [ - ] Groups

- Create, update, and delete
- Join organizational groups
- Join external groups

### [ - ] Content

- Create, update, and delete
- Publish hosted feature layers
- Publish hosted tile layers

### [ - ] Sharing

- Share with groups
- Share with organization
- Share with public
- Make groups visible to organization
- Make groups visible to public

### [ - ] GeoServices

- Geocoding
- Network Analysis
- Spatial Analysis
- GeoEnrichment
- Demographics
- Elevation Analysis

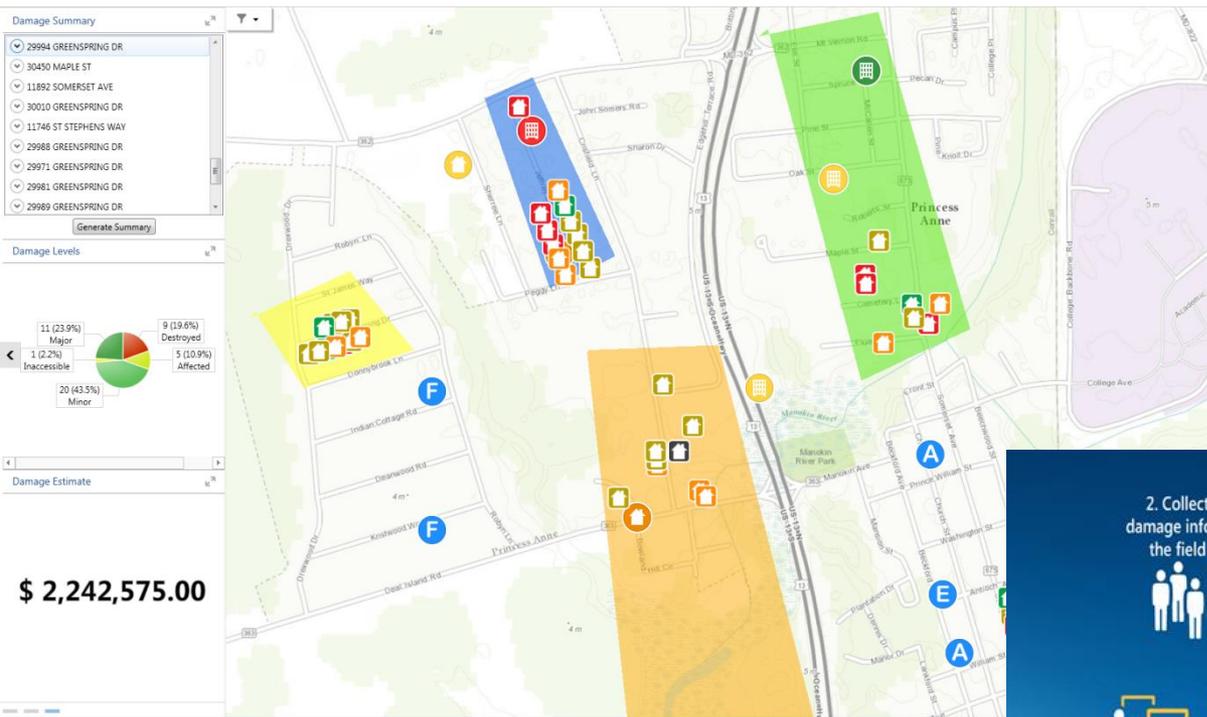
### [ - ] Features

- Edit
- Edit with full control

## Groups are key to security in AGOL

- Jurisdiction Groups
- State will have regional/statewide groups for multiple Jurisdictions
- FEMA & State Joined Group
- Dynamic Groups for Events and Taskforces

# Initial Damage Assessments with ArcGIS Online available to local jurisdictions



Recommendation	Status Update
<p>SB0094/HB0353 – The Council recommended reducing government entities ability to charge for geographic data and eliminating the requirement to enter into contracts.</p>	<p>Signed by Governor Hogan.</p>
<p>Retire executive orders 01.01.2012.04 and 01.01.2012.18.</p>	<p>Administration now appraised of recomondation. Executive action likely.</p>
<p>Online open meetings calendar</p>	<p>DoIT has contacted the Office of the Secretary of State about receiving a feed of open meetings. SOS has not yet taken up this initiative.</p>
<p>Statewide data inventory</p>	<p>On hold pending further review by DoIT Secretary</p>
<p>Consolidate and or synchronize data portals  <a href="http://data.maryland.gov">http://data.maryland.gov</a> &amp;  <a href="http://imap.maryland.gov">http://imap.maryland.gov</a></p>	<p>Further discussion today</p>

Next meeting is scheduled for  
September 3, 2015, 10:00 am –  
12:00 pm, at Maryland  
Department of Transportation,  
Harry Hughes Conference Center.

Note the following slides cover a topics that were on the published agenda, but was not covered during the Council meeting do to lack of time.

Each dataset has its own API Documentation site. Here you will find the new API endpoint (see next slide).

Visualize Export Discuss Embed About

Export

SODA API

Access this filtered view via SODA

The Socrata Open Data API (SODA) provides programmatic access to this dataset including the ability to filter, query, and aggregate data. For more more information, view the API docs for this dataset or visit our developer portal

API Docs Developer Portal

API Endpoint:

<https://data.maryland.gov/resource/ht>

Field Names:

Month Number	month_number
Facility	facility
Region	region
Month	month
Calendar Year	calendar_year
Fiscal Year	fiscal_year
Population - ADP	population_adp

**New Socrata APIs & New Endpoints Available, Featuring New Querying Tools and Improved Performance**

This is the old API endpoint. You will not be able to use the new features nor take advantage of the improved performance.

## Update on federated search between [data.maryland.gov](http://data.maryland.gov) and [imap.maryland.gov](http://imap.maryland.gov)

- Original plan (Option A) was to generate clickthroughs (“external links”) to iMAP layers which would live in the catalogue at [data.maryland.gov](http://data.maryland.gov). Users would search [data.maryland.gov](http://data.maryland.gov) to see results across both sites in one listing. Socrata is assisting with the generation of these clickthroughs.
- Socrata has pushed back the timeline several months, giving us time to consider other options.
- Option B would keep both data catalogues as-is but would create a search interface to see both results listings simultaneously.

## Example for Option A: An external link to an iMAP product listed in the data.maryland.gov catalogue search results

### View Types

-  Data Lens pages [What's this?](#)
-  Datasets
-  Charts
-  Maps
-  Calendars
-  Filtered Views
-  External Datasets
-  Files and Documents
-  Forms

### Categories

- Administrative
- Agriculture
- Biota
- Boundaries
- Budget

[View All](#)

### Search & Browse Datasets and Views

Name	Popularity	Type	RSS
 <p><b>iMAP: State Police Barracks Map</b> This is an external link to a map layer on MD iMAP: Maryland's GIS Data Portal. Map shows the locations of all barracks statewide for the Maryland State Police (MSP). Additional metadata are available on iMAP.</p>	0 views		
 <p><b>DPSCS Department-Wide Totals: Money Found on Inmates and in Facilities, Column Chart</b> The Department of Public Safety and Correctional Services (DPSCS) submits these data to the Governor's Office each month for each of Maryland's prisons and jails. This dataset shows totals across those facilities: population totals, contraband seizures, searches, assaults, hearing officer reports, disciplinary action, identification document issuance, and IWIF statistics. Statistical analyses and data formatting are performed by Department of Information Technology (DoIT).</p>	2 views		
 <p><b>DPSCS Department-Wide Totals: Inmate Made Knives Found on Inmates and in Facilities, Column Chart</b> The Department of Public Safety and Correctional Services (DPSCS) submits these data to the Governor's Office each month for each of Maryland's prisons and jails. This dataset shows totals across those facilities: population totals, contraband seizures, searches, assaults, hearing officer reports, disciplinary action, identification document issuance, and</p>	3 views		

## Example for Option A: An external link to an iMAP product listed in the data.maryland.gov catalogue search results

 **iMAP: State Police Barracks Map**  
 This is an external link to a map layer on MD iMAP: ▶











This data extraction tool or application is available via the link to the right

**External Link**  
LINK TO iMAP

**Description**

This is an external link to a map layer on MD iMAP: Maryland's GIS Data Portal. Map shows the locations of all barracks statewide for the Maryland State Police (MSP). Additional metadata are available on iMAP.

 **data.maryland.gov Administration**  
 created Jun 11, 2015  
 updated Jun 11, 2015

**Routing & Approval**

Stage ● Public Approval

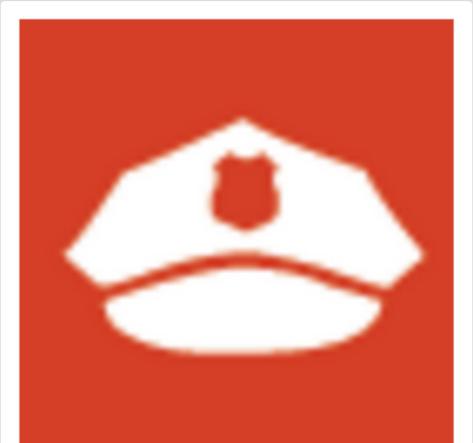
Edit Metadata

**Approval History**

● **Public Approval**  
 Approved by data.maryland.gov Administration  
 On Jun 11, 2015

**Activity**

Community Rating	★★★★★
Your Rating	★★★★★
Raters	0



# Mockup for Option B: Joint search tool to see products on the Open Data Portal and iMAP simultaneously

*I am a better developer than designer (this is only a mockup)!*

The screenshot shows the Maryland Open Data Portal interface. At the top left is the Maryland .gov logo. The main header reads "Department of Information Technology OPEN DATA PORTAL". On the right, there is a "do it" logo and a "SOCIAL MEDIA DIRECTORY" button. A search bar on the left contains the text "police". Below the search bar are options to "Clear All Options" and a "View Types" menu with items like "Data Lens pages", "Datasets", "Charts", "Maps", "Calendars", "Filtered Views", "External Datasets", "Files and Documents", and "Forms". The main content area displays "Results for 'police'" with a "Most Relevant" dropdown. The first result is "2012 Vehicle Collisions Investigated by State Police" with 45,689 views. Below this is a table of 3 matching rows.

Name	Popularity	Type	RSS
2012 Vehicle Collisions Investigated by State Police	45,689 views		

Showing 3 of 5 matching rows (view results):

CASE_NUMBER	1263001202	ROAD	IS 00270 EISENHOWER MEM HWY	COUNTY_NAME	Montgomery
BARRACK	Rockville	INTERSECT_ROAD	UU 00000 MD ST	VEHICLE_COUNT	4
ACC_DATE	02/17/2012 12:00:00 AM	DIST_FROM_INTERSE0	WG STN	PROP_DEST	YES
ACC_TIME	15:02	DIST_DIRECTION	N	INJURY	NO
ACC_TIME_CODE	4	CITY_NAME	Not Applicable	COLLISION_WITH_1	VEH
DAY_OF_WEEK	FRIDAY			COLLISION_WITH_2	
				OTHER-COLLISION	

Joint Search

The screenshot shows the Maryland iMAP header. On the left is the Maryland .gov logo. The main header reads "MD iMAP MARYLAND'S MAPPING & GIS DATA PORTAL". On the right, there are social media icons for Twitter, YouTube, and All. Below the header is a navigation bar with "HOME" and "GIS DATA CATALOG" links.

  SEARCH WITHIN MAP

## Benefits and Drawbacks of Options A and B

	<b>Option A</b>	<b>Option B</b>
<b>Description</b>	For each layer on iMAP, create a clickthrough (“external link”) on data.maryland.gov. Socrata is assisting with this effort.	Create a joint search site which queries both the Open Data Portal and iMAP simultaneously, listing two sets of results.
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• <b>Easier for the public to search all Open Data at once, compared to the current split sites.</b></li> <li>• A single catalogue would contain direct links to all Maryland Open Data – geospatial and alphanumeric alike.</li> <li>• Might change current mental attitudes that geospatial and non-geospatial data are fundamentally different.</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Easier for the public to search all Open Data at once, compared to the current split sites.</b></li> <li>• Both sites remain 100% intact. Data and metadata fidelity remains 100% intact.</li> <li>• Traffic does not decrease on either site, and might even increase.</li> <li>• Can implement more quickly than Option A.</li> <li>• Depends more on DoIT and less on vendor, compared to the other option.</li> </ul>
<b>Drawbacks</b>	<ul style="list-style-type: none"> <li>• Could potentially decrease traffic on imap.maryland.gov if fewer searches are performed there.</li> <li>• Slower to implement than Option B.</li> <li>• Depends less on DoIT and more on vendor, compared to other option.</li> </ul>	<ul style="list-style-type: none"> <li>• Two separate URLs for Open Data is bad enough. This would potentially generate a third. <i>However, DoIT could toggle the joint search option on iMAP’s search tool to automatically search both catalogues at once. It is possible but not confirmed that the same option would work for the Open Data Portal search.</i></li> <li>• Perpetuates current mental attitudes that geospatial and non-geospatial data are fundamentally different.</li> </ul>