Agenda

● What is Open Government?
● What is Open Data?
● Case Study: Virginia Roads
● ADOT Initiatives
What is Open Government?

Open government is the governing doctrine which holds that citizens have the right to access the documents and proceedings of the government to allow for effective public oversight.

- Must be backed by policy
- Must be comprehensive
- Must be user friendly
What is Open Data?

Open data is data that can be freely used, shared and built-on by anyone, anywhere, for any purpose.

- Open Data is **NOT** Esri, but...
Technology

Technology empowers Openness.

- ArcGIS Hub *Basic* included with ArcGIS Online subscription
  - Open Data
  - Sites and pages for data discovery and community engagement
  - Data driven visualization (charts, summary stats)
  - Anonymous community member access
  - Integration with ArcGIS Online (apps, story maps, web maps, etc.)
  - Integration of content and feeds from social media
Open Data Case Study: Virginia Roads

- 2012
- VDOT Intranet
- http://maps/
Open Data Case Study: Virginia Roads

- 2014
- External website
Open Data Case Study: Virginia Roads
Open Data Case Study: Virginia Roads

Virginia Roads is the Virginia Department of Transportation’s Open Data portal.

Description

VDOT's Open Data Portal, Virginia Roads, was developed as part of an effort to provide user friendly access for exploring and downloading open data. VDOT is committed to providing the traveling public, lawmakers and partners with easy to understand information that demonstrates how we are managing the state’s transportation infrastructure and to ensure VDOT's transparency to the public. Virginia Roads offers access to VDOT Open Data, Stories relating to VDOT initiatives, as well as Web Maps and Apps that are powered by Open Data that can be used to answer questions and solve problems.
Open Data Case Study: Virginia Roads

Daily Usage

Item Views this Period: 1,682
Avg Item Views Per Day: 1,682.00
Logins this Period: 1

Usage Time Series
Open Data Case Study: Virginia Roads

Monthly Usage

Start Date: 7/1/2018
End Date: 7/31/2018

Item Views this Period: 58,686
Avg Item Views Per Day: 1,956.20
Logins this Period: 6

Usage Time Series
Open Data Case Study: Virginia Roads

Year 1 Usage

- Start Date: 5/1/2017
- End Date: 4/30/2018
- Item Views this Period: 707,125
- Avg Item Views Per Day: 1,942.65
- Logins this Period: 45

Usage Time Series
Recommendations: Virginia Roads

- Gain an understanding of your organization
- Build brand recognition
- Consistency in applications
- Organize your site effectively
- Promote, Promote, Promote
Lessons Learned: Virginia Roads

● Provide data dictionaries
● Roll out training materials
● Setup a refresh routine
ADOT Initiatives

- 511 - Developer API keys
- Dynamic Data Services
- Eliminate Data Requests
- IT can help empower data sharing
Open APIs

ArcGIS REST Services Directory

Home > services

Folder: /

Current Version: 10.4

View Footprints In: ArcGIS Online map viewer

Folders:
- ACIS
- ADOT_GeoprocessingTools
- AGUI
- AZSLL
- AZTAMS
- BEOC_UTRACS
- BI
- BIoPortal
- EP_Portal
- FeatureServices
- FenceInspectionDashboard
- FIS
- HPT_Portal
- Imagery
- ITS
- Map
- Mileposts
- NAP
- PrintingServices
- ProjectCoversheet
- Road
- IT
- Utilities
- WebServices

Services:
- ADOT_LRS UTILITIES_ATIS_Prod (MapServer)
- Snow (MapServer)
Arizona 511
Arizona 511

API DOCUMENTATION

The REST API provides simple interfaces to most of the data available on the AZ 511 website. The REST API enables developers to access essential data on the AZ 511 website including Cameras, Message Boards, Events and Alerts. This API enables developers to create mobile traffic apps for Arizona.

Notes:
- Requires a developer key. For most calls, query string 'key' parameter is required.
- Throttling is enabled. Ten calls every 60 seconds.

The following outlines the resources available via the AZ 511 API.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cameras</td>
<td>Returns all cameras</td>
</tr>
<tr>
<td>Message Boards</td>
<td>Returns all VMS.</td>
</tr>
<tr>
<td>Events</td>
<td>Returns all traffic events.</td>
</tr>
<tr>
<td>Alerts</td>
<td>Returns all emergency alerts.</td>
</tr>
</tbody>
</table>
Pros for API driven Open Data

- API usage is trackable
- Usage statistics per user/app
- Replace the system of record without rewriting applications
- Supports Real time data updates
Cons for API driven Open Data

● Development Lead Time
● Format changes
● Too Many Requests
Thank you

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