



**District of Columbia
Geographic Information System
Steering Committee
June 3rd, 2013**

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Office of the Chief Technology Officer
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Agenda

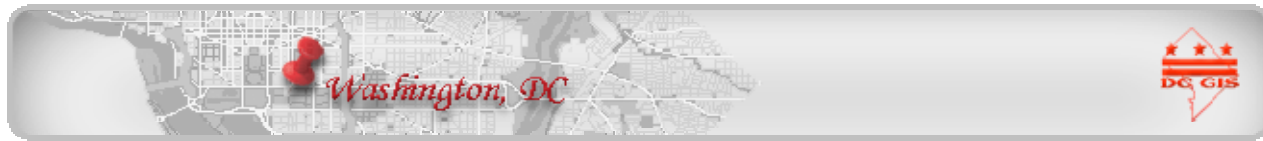
- GISSC Business - Quorum
- GIS News
 - ❖ OCTO re-alignment and expansion - OCTO GIS reports to a new Deputy CTO
 - ❖ AGS 10.1 Applications Update; Google Maps v2 Deprecation
 - ❖ DC ArcGIS Online Templates
 - ❖ 2013 Planimetrics and Ortho Project - Update
- Sandy Supplemental Lidar Project – Roger Barlow (USGS)
- ArcGIS 10.1 Progress Report – Zhen Lo
- Data Report – Mario Field
- Training Report – Eva Stern
- Agency Presentation: Transportation Integrated Enterprise Solution (DDOT-TIES)





Introductions & Quorum





Minutes from last meeting





News: OCTO Re-alignment



- In early March, 2 new Deputy CTO's were named:
 - **Lance Schine** Deputy CTO of Infrastructure Services
 - **Dervel Reed** – Deputy CTO of Application Solutions
- DC GIS previously fell under Application Solution tier, now under Infrastructure Services.
- Infrastructure Services tier now contains ECIS (i.e.. ServerOp's), Mainframe Operations, DC GIS, Web Systems/Dev/CMS Ops and IT ServUS



News and Notes



- AGS 10.1 Application Migration Update
 - DC Property, Real Property, Real Property Web Services, FloodPlain Finder, 311 Map, DDOE Watershed Finder, etc
- Google Maps v2 Deprecation
 - MOCRS, OCF, Evacuations Route, Office of Aging, Notary, SnowMap, Schools ScoreCard/Profiles, Wifi, SexOffender
- Other Agency application enhancements
 - GoDCGo, FEMS Station Locator, Enhancements to MAR Sample Client interface, TOPS, DC Google Earth-MAR



News and Notes



- DC Atlas Plus (migration of DC Atlas) Early June



News and Notes



- Pro-Type/Proof of Concept for OSSE Student Transportation QC Mapping & Routing Application

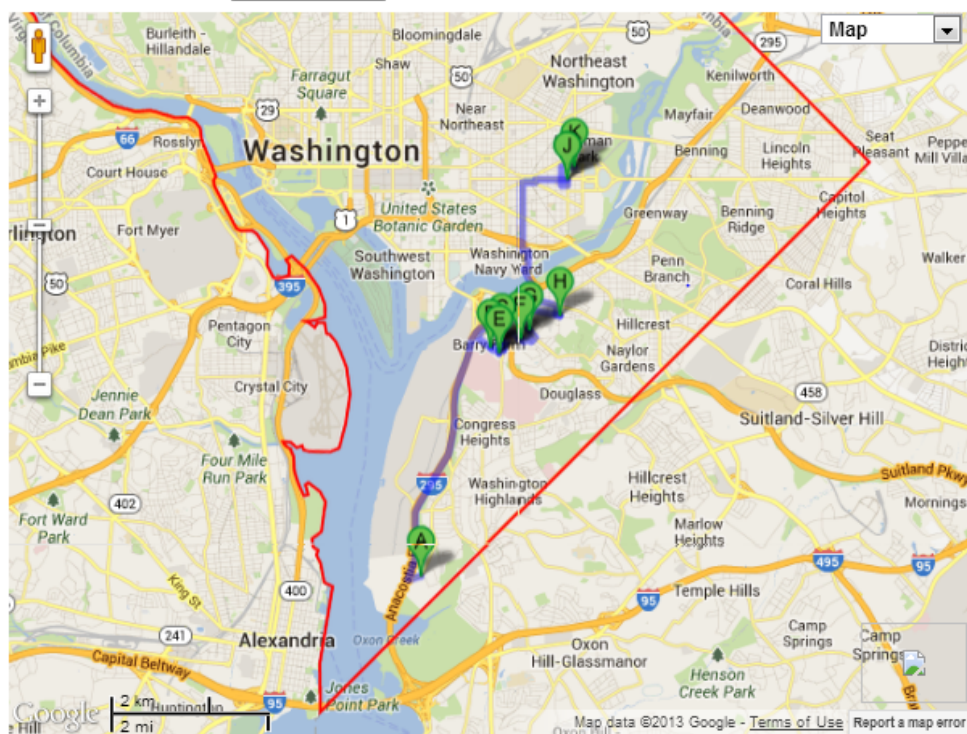
Select Route:

203	▲
207	☰
255	
321	
410	▼

Selected Route Details

	Time	Location
Start	7:07:29 AM	Southwest
End	8:28:16 AM	ELIOT-HINE MS

Consider live traffic



Driving Direction Details:

total distance: about 9.4 mi
total duration: about 30 mins

A Southwest

4.1 mi - about 8 mins

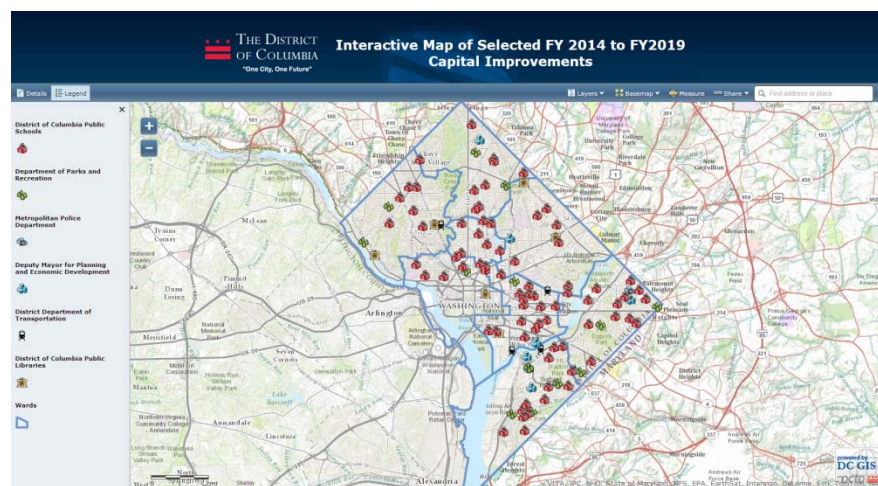
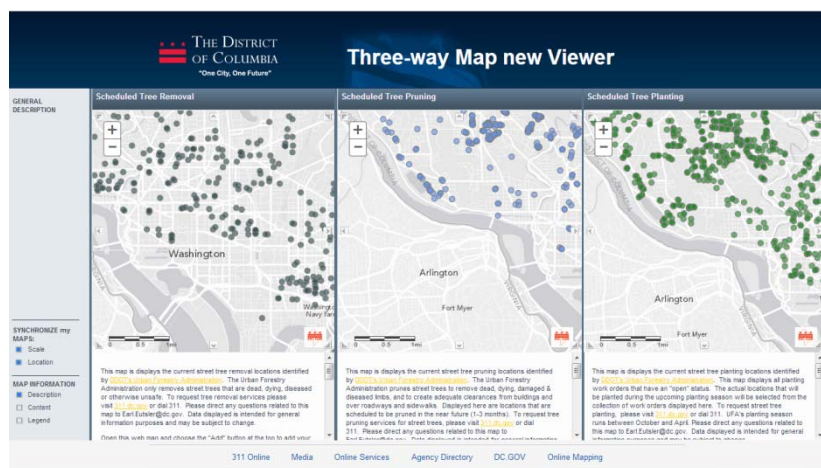
1. Head **west** on **DC Village Ln** 16 ft
SW toward **Blue Plains Dr SW**
2. Continue onto **Blue Plains Dr SW** 0.2 mi
3. Turn **right** onto **Shepherd Pkwy SW** 0.5 mi
4. Turn **right** to merge onto **I-295 N** 2.9 mi
5. Take exit **3A** toward **Suitland Pkwy/US Naval Station** 0.2 mi
6. Sharp **right** onto **Barry Rd SE** 0.2 mi
7. Turn **left** onto **Stevens Rd SE** 0.2 mi



News and Notes



- DC ArcGIS Online (DC AGOL) Templates
- Rolled out DC Branded Basic Viewer Template in mid-April
 - Ex. [Interactive Map of Selected FY 2014 to FY2019 Capital Improvements](#)
- Others in progress:
 - DC Storytelling Template (supports up to 5 web maps with time slider)
 - DC Side-by-Side Template (supports up to 3 web maps)
- Posted all 10.1 Category Map Services to DC AGOL Org



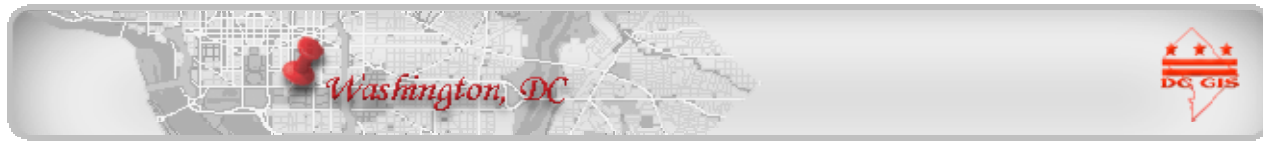


News and Notes



2013 Planimetrics and Ortho Project – Status Update

- Procurement challenges
- 2 very competitive proposal submissions
- Anticipate vendor being under contract within a week.
- Planned Fall 2013 flight.



Sandy Supplemental Lidar Project – Roger Barlow (USGS)

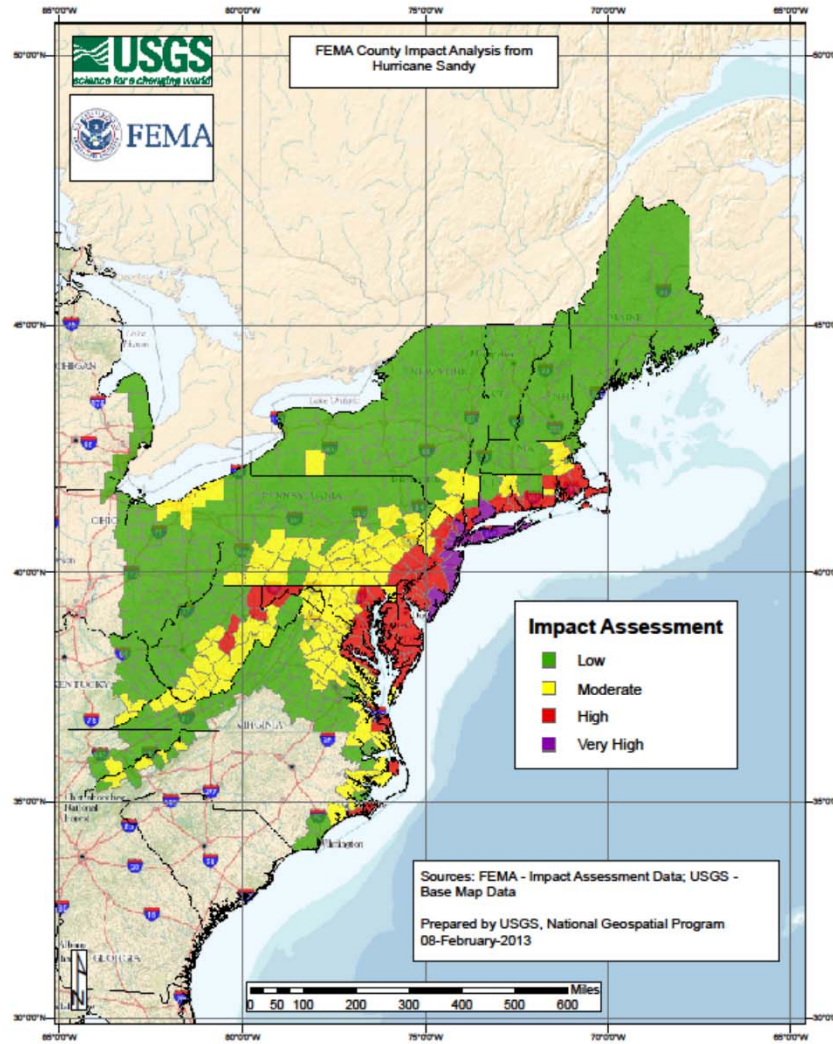
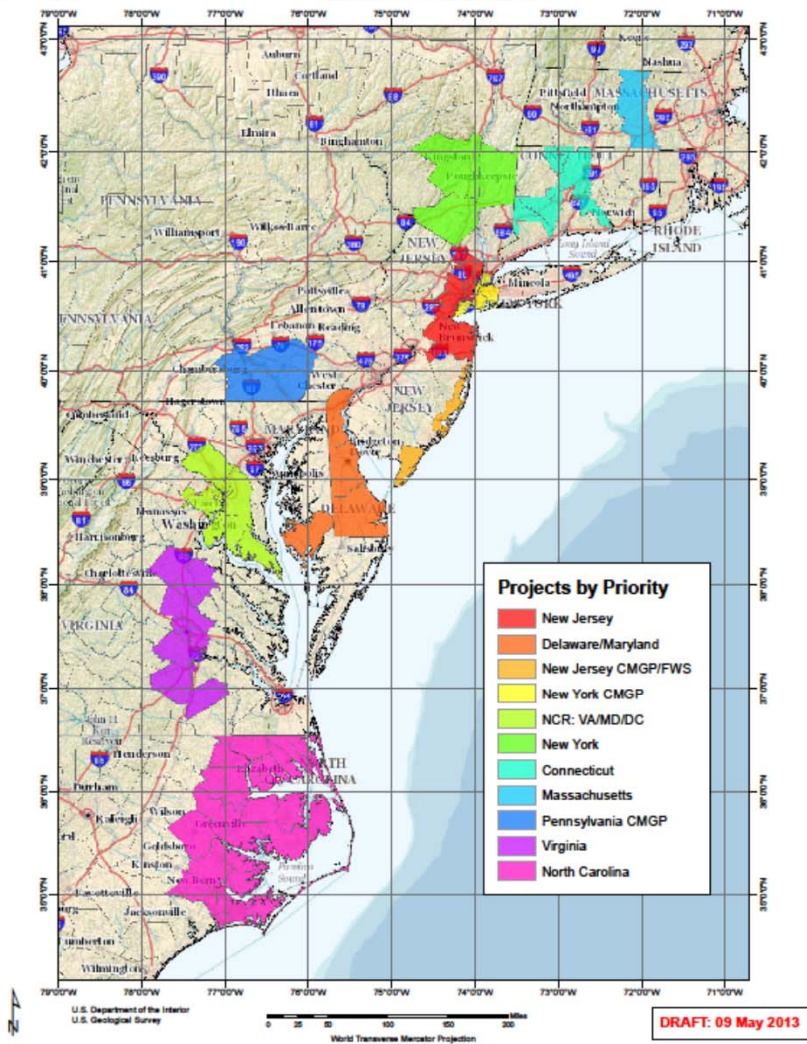




Sandy Supplemental Lidar Project



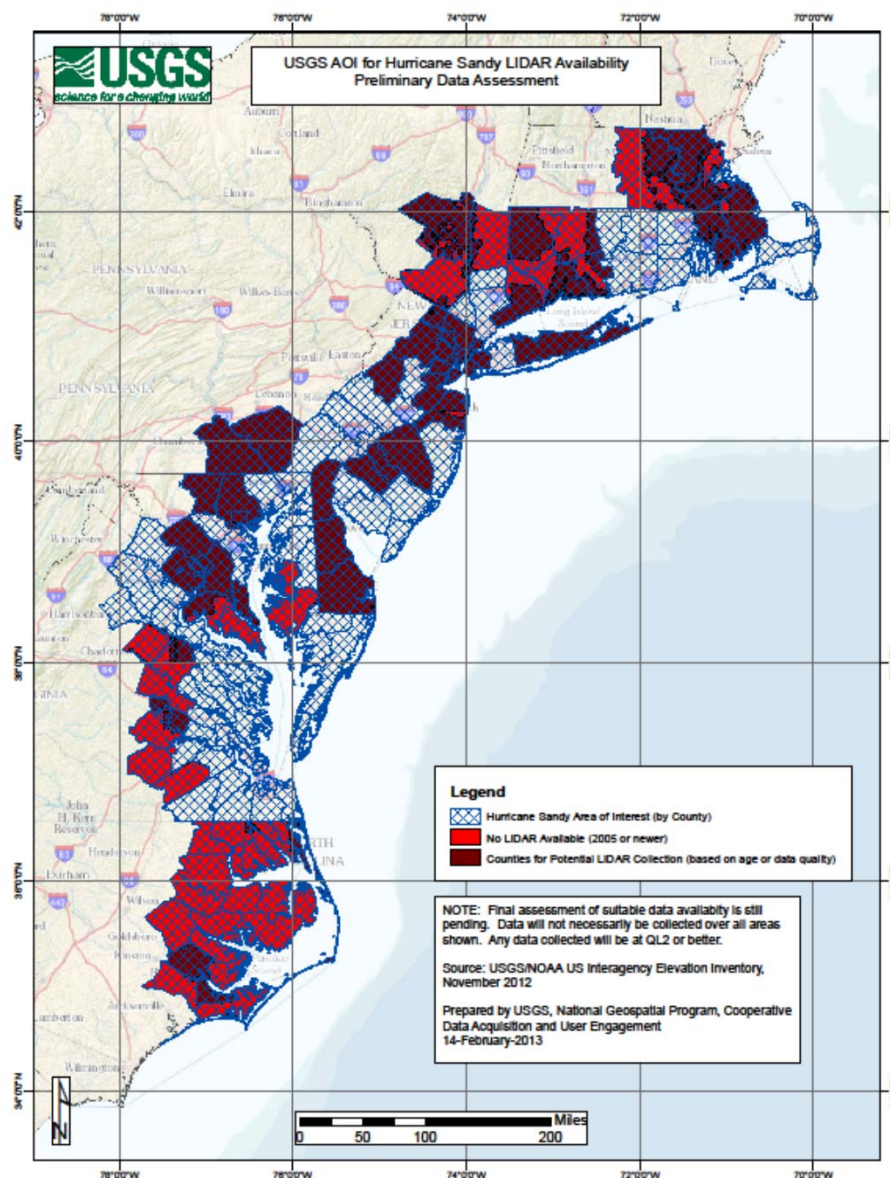
Hurricane Sandy: Preliminary Plans for Topographic LIDAR Collection Projects
by USGS National Geospatial Program

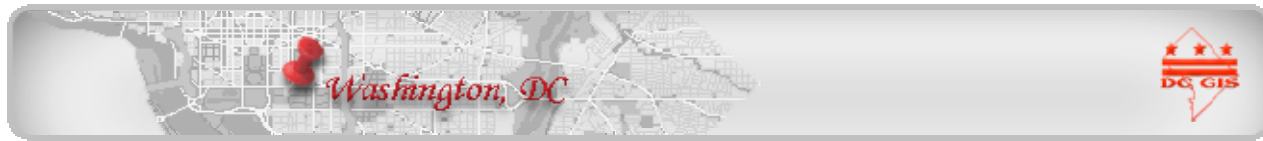




Sandy Supplemental Lidar Project

- Vertical accuracy RMSE 9.25cm
- Collection proposed to be next leaf-off season late Nov-early Dec 2013. Delivery April 2014.
- If DC is completed, DC would get raw point clouds
- NCR gov. cost estimate is 925k





Migration Path to ArcGIS 10.1- Status Zhen Lo





ArcGIS Server 10.1 Status

- New URL for Mapservices
<http://maps2.dcgis.dc.gov/dcgis/rest>
- SSL support: <https://maps2.dcgis.dc.gov/dcgis/rest>
- AGOL supported but must use https (follow up)
- ArcGIS Server templates

ArcGIS Server 9.3.1 Retirement Strategy

- DCGIS will begin to start shutting down map services on this platform until all services are turned off
- Services have been running on the 10.1 platform for close to 1 year
- Application migration effort has progressively gotten faster
- GovDelivery Notice going out later this week



SDE 10.1 and DC GIS Central

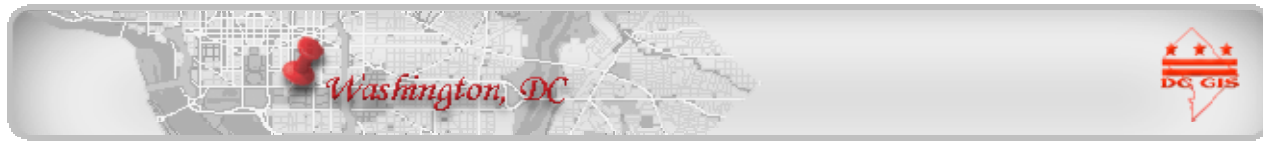
- A duplicate copy of the Central SDE system has been running since January
- The Oracle platform has changed:
 - From 10g204 running in a RAC configuration to 11g202 enterprise GRID
 - 32 to 64bit
 - New TNS names entry is required for those who connect directly to the database (ex. 311 system)
- All ArcGISServer services from the 10.1 platform has been redirected to use the 10.1 SDE system
- DCGISCentral service will be a cutover migration for the entire system that runs the service. (Users wont be required to do anything; service is backwards compatible for usage)
- Server will change from a Windows 2003R2 32 bit server to a Windows 2008R2 64bit
- Date of cutover will be announced at a later date.



ArcGIS Desktop 10.1



- Network installation point has been created on:
 - [\\dcgisshare.dcgis.in.dc.gov\public\arcgis101\](\\dcgisshare.dcgis.in.dc.gov\public\arcgis101)
- Migration testing and development is continuing
- Citrix running the latest desktop version is delayed but continuing in testing phase



Data Report Mario Field





Updated Datasets



- **Bike Lane**
- **Broadband Residential Adoption Rate – 2010 Census**
- **Broadband Residential Adoption Rate – 2010 Ward**
- **Tech Zone**
- **Wireless Hot Spot**



Next Data Load



- **Architect of the Capitol**
- **BIDs**
- **Business Data**
- **Federal Locations**
- **DC Boundary**
- **Collaborative Areas**
- **Comprehensive Plan Future Use**
- **Embassy**
- **IT Servus Areas**
- **Neighborhood Names**
- **Riversmart Homes**



Pictometry Server Edition 1.10



- Was known as POL 1.9
- More customization of labels
- Better Integration of ArcGIS services
- Search only Layers for optimal draw/search speed



Training Report

Eva Stern





Training Report



WDA Training

FY 2012: 175 Students

FY 2013 : 95 to date

Overview: 34

Google DC: 40

ArcGIS: 21



Training Report



- FY 2012: 13 Students
- FY 2013: 16 Requests



Other Training Notes



Ms. Amy Trenkle and 8th Graders from Alice Deal Middle School (DCPS)



Other Training Notes



The screenshot shows the MapStory website interface. At the top, there is a navigation bar with the MapStory logo and tagline "...a public prototype in development." To the right of the logo are buttons for "DONATE NOW", "Log in", and "Register". Below the navigation bar is a search bar labeled "Quick Search" and a list of sections: Crisis, GeoPolitics, Science & Industry, Human Settlement, Culture & Ideas, Nature & Environment, Health, and Biography.

The main content area features a carousel of featured stories. The first story is "Seats held by women in national parliament." by Shobana Atmaraman on June 7 2012. The second is "DC Alley growth and movement 1858, 1871, 1927" by Jonathan Marino on May 15 2013. The third is "Worldwide Nuclear Tests and Detonations" by Everett Lasher on March 14 2012.

Below the carousel are three main sections: "STORYLAYERS" with buttons for "SEARCH STORYLAYERS" and "UPLOAD STORYLAYERS"; "MAPSTORIES" with buttons for "SEARCH MAPSTORIES" and "CREATE A MAPSTORY"; and "MAPSTORYTELLERS" with buttons for "SEARCH STORYTELLERS" and "SIGN UP".

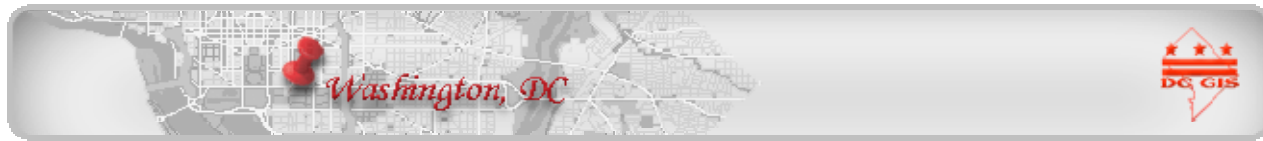
There is a video player titled "What is a MapStory?" with a play button. The text below the video reads: "MapStory empowers a global community to organize knowledge about the world spatially and temporally. With MapStory, people of all kinds turn into Storytellers who can create, share, and collaborate on MapStories and ultimately improve our understanding of global dynamics, worldwide, over the course of history."

Below the video is a "SECTIONS" sidebar with a list of categories: Crisis (highlighted), GeoPolitics, Science & Industry, Human Settlement, Culture & Ideas, and Nature & Environment.

The main content area below the video shows two featured stories: "MEXICO MURDER" by admin on Feb. 23, 2012, 11:53 a.m. with 300 Views and 0 stars; and "VILLAGE DESTRUCTION IN THE DARFUR REGION" by Everett Lasher on April 22, 2012, 6:06 p.m. with 184 Views and 5.0 stars.

On the right side, there is a "THINKERS AND THOUGHTS ON MAPSTORYTELLING" section featuring three profile cards: Robert Tomes (MapStories and Moving from Visualization to Decision), Parag Khanna (GeoStrategy and the Four C's of MapStorytelling), and Jonathan Marino (Mapstorytelling and the Learning Revolution).

At the bottom right, there is a "TELL YOUR STORY" button.



Agency Presentation
Transportation Integrated
Enterprise Solution (TIES)

Jose Colon (DDOT)

Tim Abdella (JMT)

[Link](#)





Transportation Integrated Enterprise Solution (TIES)

June 3, 2013

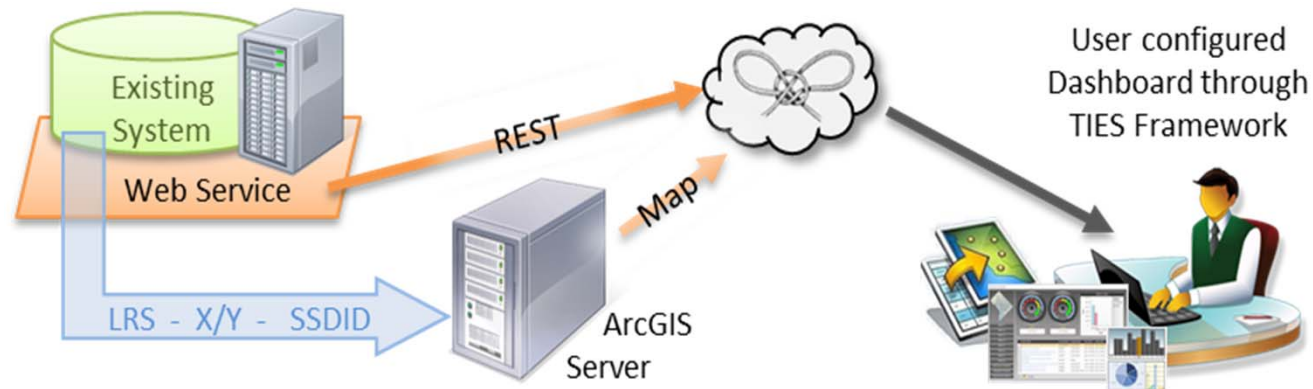
Topics

- Background / Overview / Review of System
- Data Warehouse & ETL
- ArcGIS Map Services
- DC ArcGIS Online
- ArcGIS Online Applications
- Custom TIES templates
- COTS BI – QlikView, Others



Background

- TIES - "Transportation Integrated Enterprise Solution"
- Integrate disparate "stove-piped" business applications from various DDOT Administrations into a common framework for visualization and reporting across the enterprise.
- Dashboard Application provides an interface to access business data through graphic visualizations like charts, maps and tabular views to support decision making.



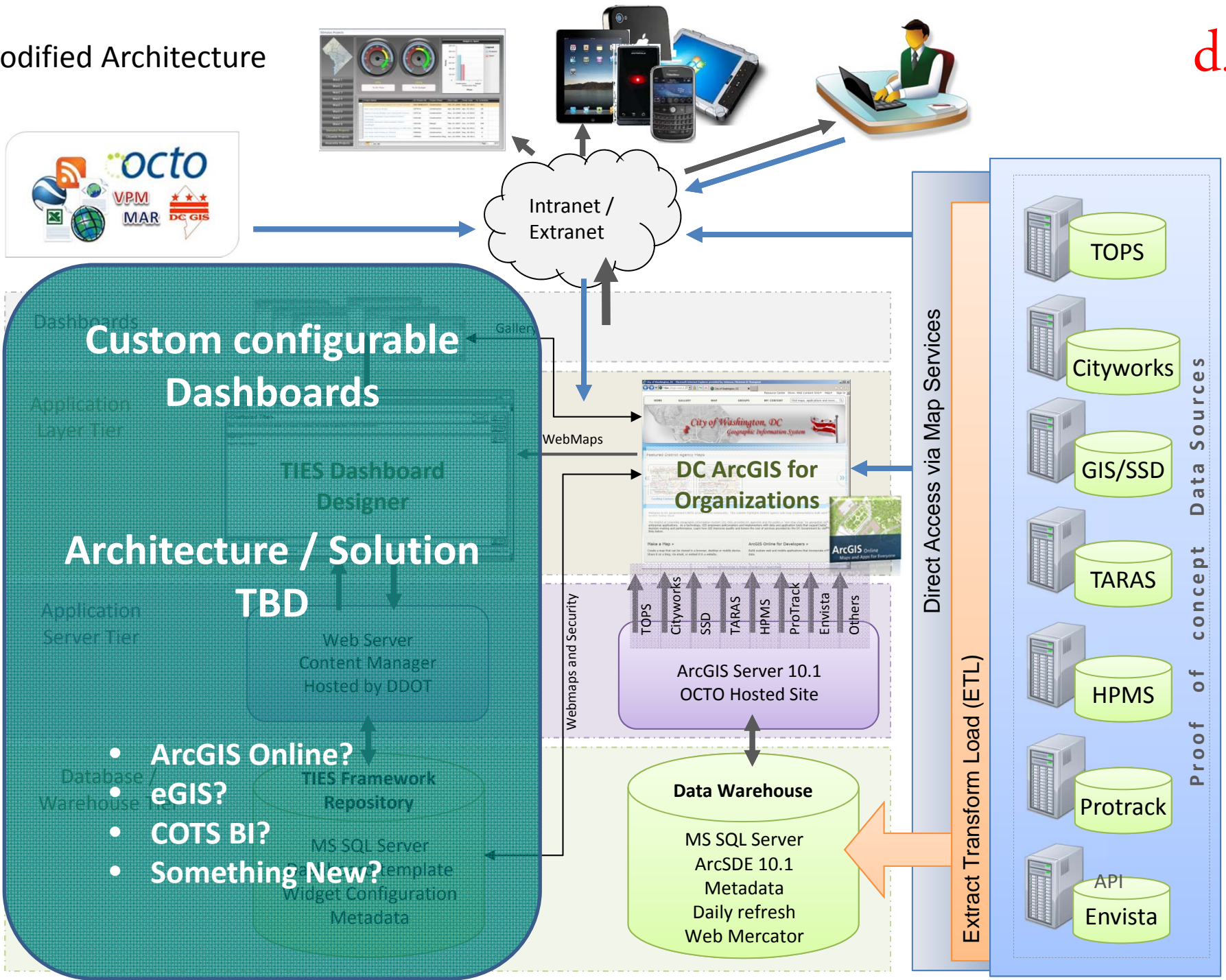
In Nutshell

- GIS Centric Solution
 - Data is Planar X,Y, Address, or Linear Referenced
- A framework that consumes Web / Map services
 - Built on HTML 5 – mobile first
- Centered around Linear Referencing
- Pilot project with 7 DDOT systems
 - SSD, Cityworks, TOPS, ProTrack, ~~HPMS, TARAS~~, ENVISTA, MicroPaver, UFA
- Dashboard Application
 - User defined views that are publishable



Modified Architecture

d.

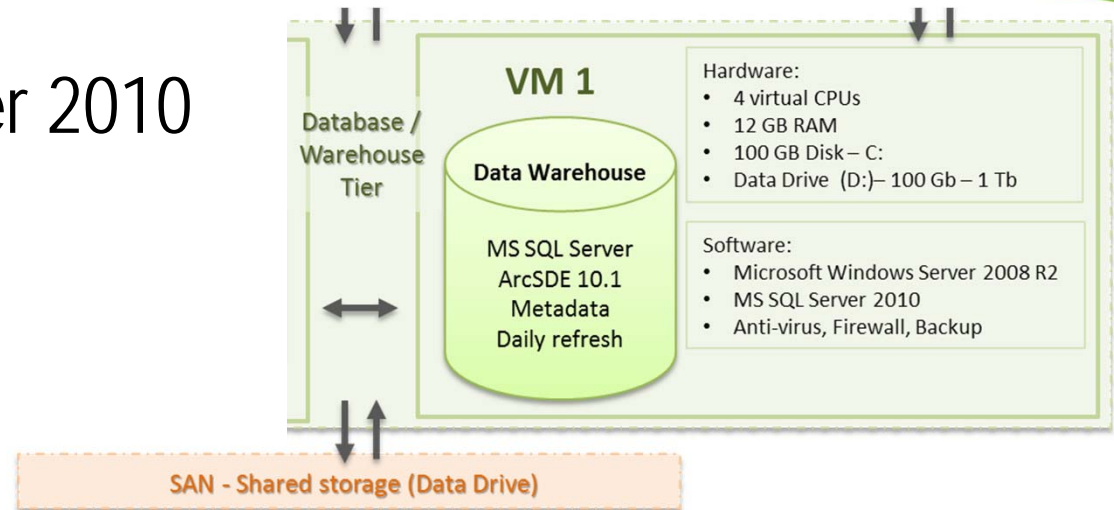


The background features a teal-to-green gradient with wavy, horizontal lines and a grid pattern of thin lines. The text is centered in the lower half of the image.

Data Warehouse & ETL

Data Warehouse

- Microsoft SQL Server 2010
- Esri ArcSDE 10.1
- All Data is spatial



ETL Process Diagram

Process for TIES Repository.pdf

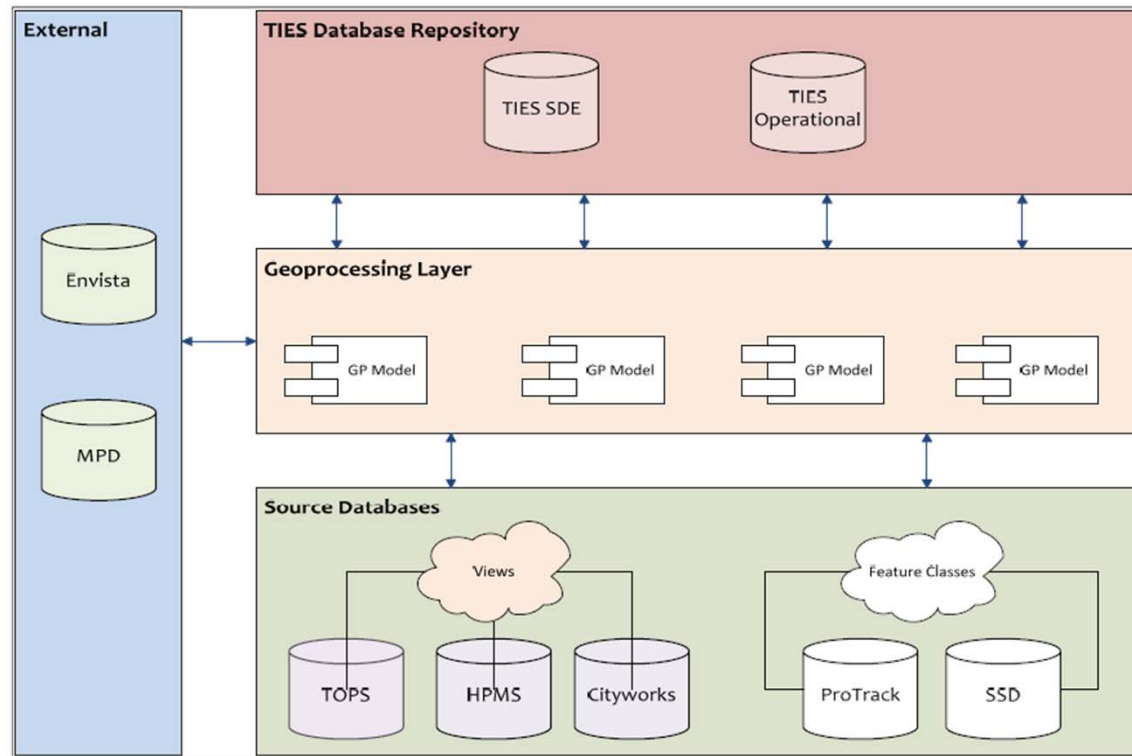


Figure 1 High level design for TIES ETL process

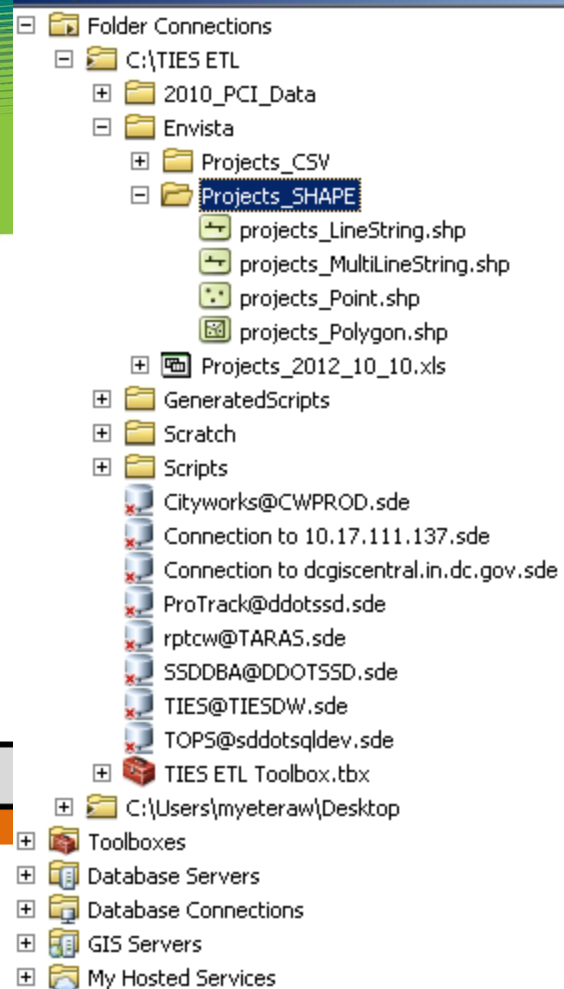


Data Schema

- TOPS
- SSD
- ProTrack
- Cityworks

TOPS Source Data

Attribute Name	Data Type	Description
Occupancy Permit		
TrackingNumber	Long	Unique Permit Tracking Number
Status	VarChar	Status code
StatusDescription	VarChar	Status description
EventTypeDescription	VarChar	Event Type description
ConstructionPermitNumber	VarChar	Construction permit number
ContractNumber	VarChar	Contract number
ConstructionTrackingNumber	VarChar	Construction Tracking number
PermitNumber	VarChar	Permit number
SourcePermit	VarChar	if renwed, Source permit
ApplicationDate	DateTime	Permit application date



Attribute Name
Occupancy Permit

ParkingPermits
 ParkingPermits
 ParkingPermits
 ParkingPermits
 ParkingPermits



The background of the slide features a teal-to-green gradient with a pattern of thin, curved lines that create a sense of depth and movement, resembling a stylized landscape or data visualization. The text is centered in the lower half of the image.

ArcGIS Map Services

ArcGIS Map Services

- Feature & Map Service per Data Source
- DDOT generates .SD file (Server Definition)
- DDOT provides OCTO with Files
- OCTO creates service
- OCTO maintains and adjusts



SSD.sd

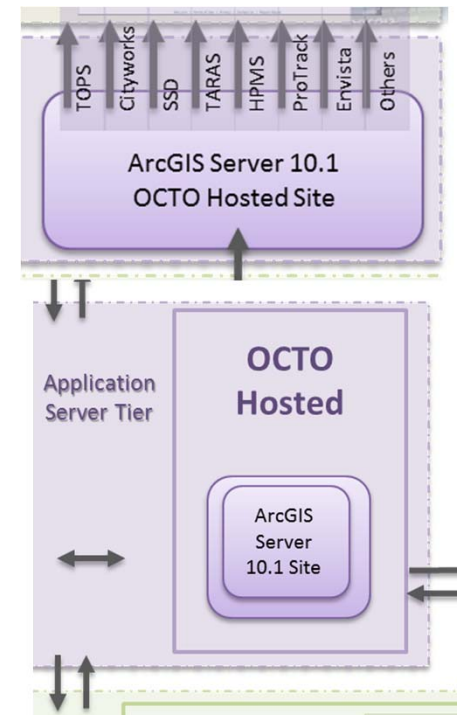


ProTrack.sd



MicroPaver.sd

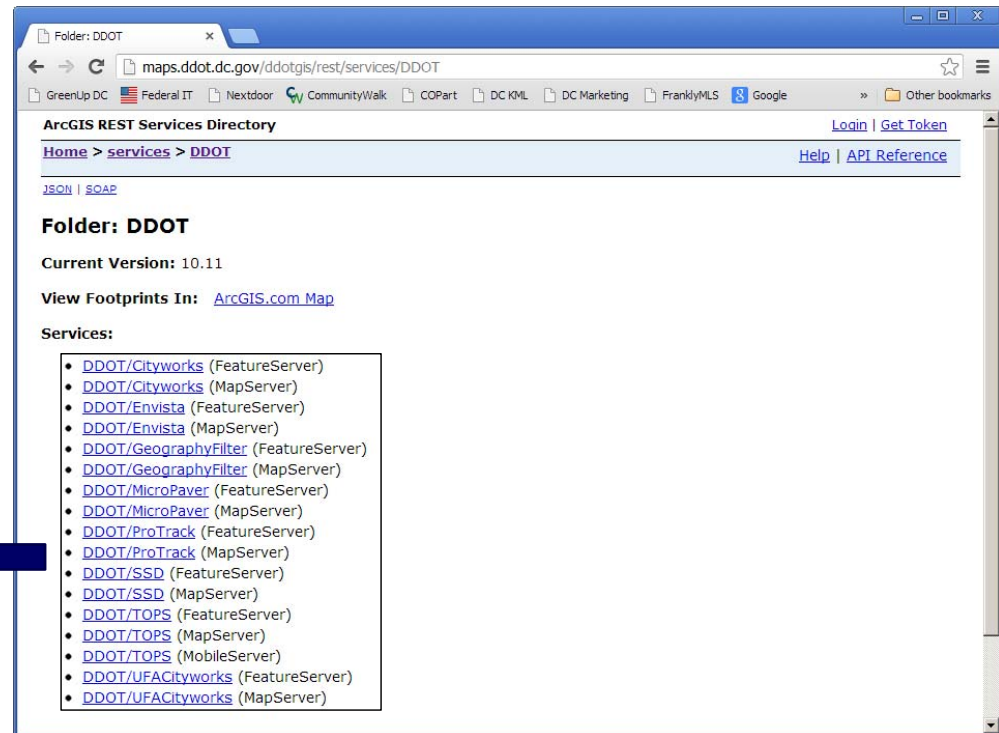
<http://maps.ddot.dc.gov/ddotgis/rest/services>



TIES ArcGIS Server Rest End Point

- <http://maps.ddot.dc.gov/ddotgis/rest/services/DDOT>

- [DDOT/Cityworks](#) (FeatureServer)
- [DDOT/Cityworks](#) (MapServer)
- [DDOT/Envista](#) (FeatureServer)
- [DDOT/Envista](#) (MapServer)
- [DDOT/GeographyFilter](#) (FeatureServer)
- [DDOT/GeographyFilter](#) (MapServer)
- [DDOT/MicroPaver](#) (FeatureServer)
- [DDOT/MicroPaver](#) (MapServer)
- [DDOT/ProTrack](#) (FeatureServer)
- [DDOT/ProTrack](#) (MapServer)
- [DDOT/SSD](#) (FeatureServer)
- [DDOT/SSD](#) (MapServer)
- [DDOT/TOPS](#) (FeatureServer)
- [DDOT/TOPS](#) (MapServer)
- [DDOT/TOPS](#) (MobileServer)
- [DDOT/UFAcityworks](#) (FeatureServer)
- [DDOT/UFAcityworks](#) (MapServer)



Cityworks - Rest End Point Example

- <http://maps.ddot.dc.gov/ddotgis/rest/services/DDOT/Cityworks/FeatureServer>

DDOT/Cityworks (FeatureServer)

View In: [ArcGIS.com Map](#)

View Footprint In: [ArcGIS.com Map](#)

Service Description:

Has Versioned Data: false

Has Versioned Data: false

MaxRecordCount: 1000

Supported Query Formats: JSON, AMF

Layers:

- [Workorder](#) (0)
- [Service Request](#) (1)

Description:

Copyright Text:

Spatial Reference:
PROJCS["WGS_1984_Web_Mercator_Auxiliary"]

Layer: Workorder (ID: 0)

View In: [ArcGIS.com Map](#)

Name: Workorder

Display Field: PROJECTNAME

Type: Feature Layer

Geometry Type: esriGeometryPoint

Description:

Definition Expression: N/A

Copyright Text:

Default Visibility: true

MaxRecordCount: 1000

Supported Query Formats: JSON, AMF

Min Scale: 3000

Max Scale: 0

Fields:

- OBJECTID (type: esriFieldTypeOID, alias: OBJECTID, editable: false, nullable: true, length: 10)
- WORKORDERID (type: esriFieldTypeString, alias: WORKORDERID, editable: true, nullable: true, length: 20)
- DESCRIPTION (type: esriFieldTypeString, alias: DESCRIPTION, editable: true, nullable: true, length: 60)
- SUPERVISOR (type: esriFieldTypeString, alias: SUPERVISOR, editable: true, nullable: true, length: 50)
- REQUESTEDBY (type: esriFieldTypeString, alias: REQUESTEDBY, editable: true, nullable: true, length: 50)
- INITIATEDBY (type: esriFieldTypeString, alias: INITIATEDBY, editable: true, nullable: true, length: 50)
- INITIATEDDATE (type: esriFieldTypeDate, alias: INITIATEDDATE, editable: true, nullable: true, length: 130)
- PROJECTNAME (type: esriFieldTypeString, alias: PROJECTNAME, editable: true, nullable: true, length: 130)
- LOCATION (type: esriFieldTypeString, alias: LOCATION, editable: true, nullable: true, length: 256)
- PROJECTSTARTDATE (type: esriFieldTypeDate, alias: PROJECTSTARTDATE, editable: true, nullable: true, length: 36)
- PROJECTFINISHDATE (type: esriFieldTypeDate, alias: PROJECTFINISHDATE, editable: true, nullable: true, length: 36)
- ACTUALSTARTDATE (type: esriFieldTypeDate, alias: ACTUALSTARTDATE, editable: true, nullable: true, length: 36)
- ACTUALFINISHDATE (type: esriFieldTypeDate, alias: ACTUALFINISHDATE, editable: true, nullable: true, length: 36)
- WORKORDERCLOSEDBY (type: esriFieldTypeString, alias: WORKORDERCLOSEDBY, editable: true, nullable: true, length: 50)
- ISCANCELED (type: esriFieldTypeString, alias: ISCANCELED, editable: true, nullable: true, length: 1)
- PRIORITY (type: esriFieldTypeString, alias: PRIORITY, editable: true, nullable: true, length: 2)
- SOURCEWORKORDERID (type: esriFieldTypeString, alias: SOURCEWORKORDERID, editable: true, nullable: true, length: 20)
- CYCLETYPE (type: esriFieldTypeString, alias: CYCLETYPE, editable: true, nullable: true, length: 1)

Layer: Workorder (ID: 0)

ArcGIS My Map

Contents:

- Cityworks - Workorder
- Topographic

Workorder: TEAM2NOV2011

WORKORDERID	275707
DESCRIPTION	PRUNING
SUPERVISOR	
REQUESTEDBY	
INITIATEDBY	CHAPMAN JACK A
INITIATEDDATE	10/25/20 9:27 AM
PROJECTNAME	TEAM2NO
LOCATION	
PROJECTSTARTDATE	10/24/20 8:00 PM
PROJECTFINISHDATE	10/26/20 8:00 PM

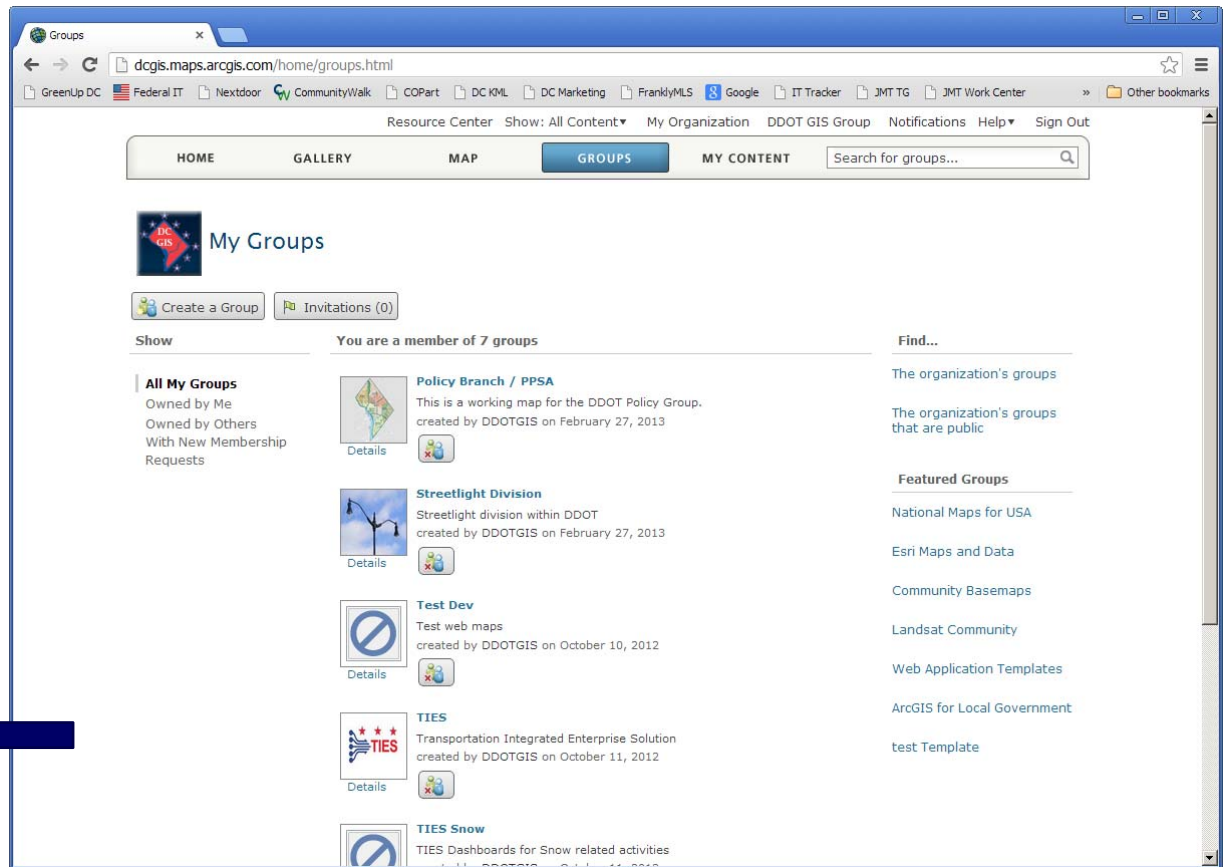


The background features a teal-to-green gradient with wavy, horizontal lines and a grid pattern of thin lines. The text is centered in the lower half of the image.

DC ArcGIS Online

DDOT Groups – started with TIES

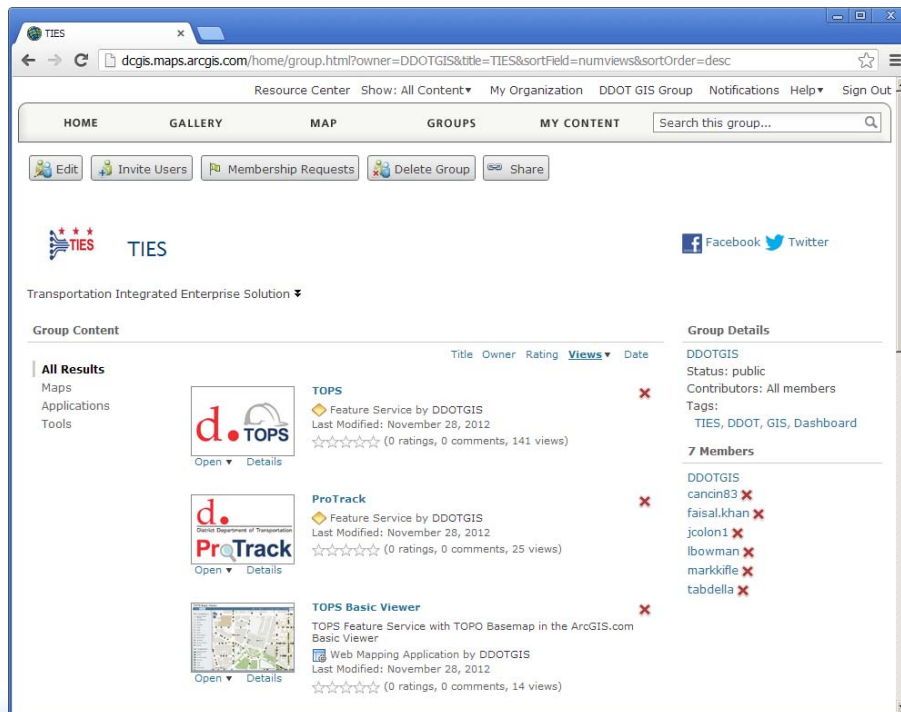
- TIES is a Group
- Invite Only



TIES Group



- All TIES Data Sources Registered
- WebMaps For applications



TIES TOPS – Feature Service Example

- Feature Services used in all supported applications

The screenshot shows the ArcGIS REST Services Directory for the DDOT/TOPS (FeatureServer). The page includes a navigation menu with options like HOME, GALLERY, MAP, GROUPS, and MY CONTENT. The main content area displays the service name, description, and various metadata fields. A blue arrow points from the 'Map Contents' section to the 'Layers' section.

DDOT/TOPS (FeatureServer)

View In: [ArcGIS.com Map](#)

View Footprint In: [ArcGIS.com Map](#)

Service Description:

- Has Versioned Data: false
- Has Versioned Data: false
- MaxRecordCount: 1000
- Supported Query Formats: JSON, AMF

Layers:

- Construction Permit (0)
- Occupancy Permit (1)
- Emergency Work Request (2)
- Annual Public Space Rental Permit (3)

Description:

Copyright Text:

Spatial Reference: PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GE

Initial Extent:

XMin: -77.03138697705349

The screenshot shows the top navigation bar of the ArcGIS REST Services Directory. It includes buttons for Open, Share, Edit, Delete, and Move. Below the buttons, there are three links: Open in ArcGIS.com map viewer, Open in ArcGIS Explorer Online, and Open in ArcGIS 10.1 For Desktop.

Open | Share | Edit | Delete | Move

[Open in ArcGIS.com map viewer](#)

[Open in ArcGIS Explorer Online](#)

[Open in ArcGIS 10.1 For Desktop](#)

The screenshot shows the ArcGIS.com map viewer displaying a map of a city street grid. The map includes a legend with two sections: 'TOPS - Construction Permit' and 'TOPS - Occupancy Permit'. The legend lists various permit statuses such as Approved (Pending Payment), Denied, Issued, Lapsed, Pending, and Permit Expired. The map shows a street grid with various markers indicating the status of permits at different locations.

TOPS - Construction Permit

- Approved (Pending Payment)
- Cancel/Withdrawn
- Denied
- Incomplete
- Issued
- Lapsed
- Pending
- Pending Document
- Permit Expired
- Submitted
- Revise and Resubmit
- Revoked

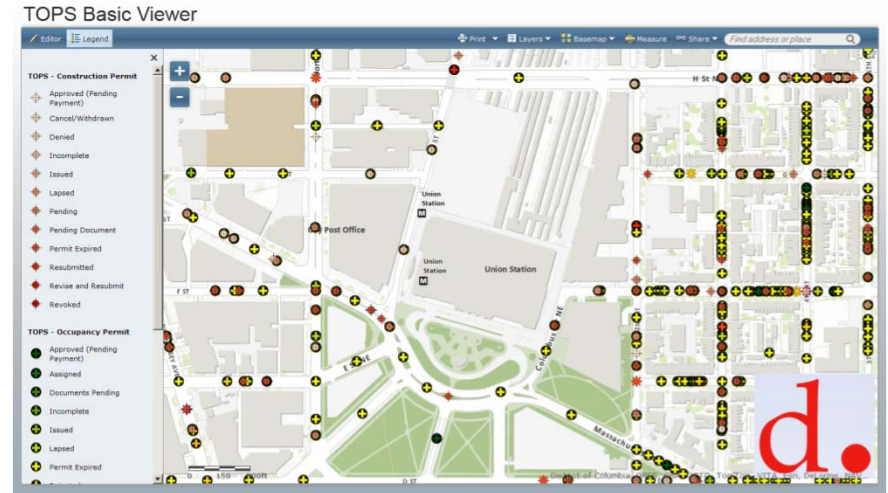
TOPS - Occupancy Permit

- Approved (Pending Payment)
- Assigned
- Documents Pending
- Incomplete
- Issued
- Lapsed
- Permit Expired



ArcGIS Online (AGOL) Applications

- ArcGIS.com Map
- ArcGIS Online Web Application Templates
- ArcGIS Online map embedding
- ArcGIS Explorer Online
- ArcGIS Explorer Desktop
- ArcGIS Desktop
- Esri Maps for Office



AGOL Map – TIES TOPS Service

The image displays two overlapping screenshots of the AGOL map interface. The background screenshot shows a map with a 'Contents' panel on the left. The 'Contents' panel lists several layers: 'TOPS - Construction Permit', 'TOPS - Occupancy Permit', 'TOPS - Emergency Work Request', 'TOPS - Annual Public Space Request Permit', and 'World Topo'. A context menu is open over the 'TOPS - Construction Permit' layer, showing options like 'Perform Analysis (Beta)', 'Zoom to', 'Transparency', 'Set Visibility Range', 'Move up', 'Move down', 'Rename', 'Remove', 'Remove Pop-up', 'Configure Pop-up', 'Change Symbols', 'Hide in Legend', 'Show Table', 'Filter', 'Show Item Details', and 'Save Item Properties'. The foreground screenshot shows the 'Perform Analysis (Beta)' tool interface. It has a 'Summarize Data' section with three options: 'Aggregate Points', 'Summarize Nearby', and 'Summarize Within'. The 'Aggregate Points' option is selected. A tooltip for 'Aggregate Points' is displayed, explaining that the tool works with a layer of point features and a layer of area features to calculate statistics about all points in the area.

TOPS

dcgis.maps.arcgis.com/home/webmap/viewer.html?services=c517ea002c524fdbac8d4c57669114c0

HOME | TOPS

New Map My Content Help Sign Out

Details Add Basemap Save Share Print Directions Measure Bookmarks Find address or place

Contents

- TOPS - Construction Permit
- TOPS - Occupancy Permit
- TOPS - Emergency Work Request
- TOPS - Annual Public Space Request Permit
- World Topo

Perform Analysis (Beta)

- Zoom to
- Transparency
- Set Visibility Range
- Move up
- Move down
- Rename
- Remove
- Remove Pop-up
- Configure Pop-up
- Change Symbols
- Hide in Legend
- Show Table
- Filter
- Show Item Details
- Save Item Properties

Perform Analysis (Beta)

Summarize Data

- Aggregate Points
- Summarize Nearby
Coming Soon!
- Summarize Within
Coming Soon!

Find Locations

Data Enrichment

Analyze Patterns

Use Proximity

Manage Data

(BETA)

Aggregate Points

This tool works with a layer of point features (the analysis layer) and a layer of area features. It first figures out which points fall within each area. After determining this point-in-area spatial relationship, statistics about all points in the area are calculated and assigned to the area. The most basic statistic is the count of the number of points within the area, but you can get other statistics as well.



AGOL Map – Aggregation Example

- TIES TOPS Construction permits Aggregated by SMD

The screenshot displays the AGOL web map interface. The left panel shows the configuration for 'Aggregate Points' with a 'Run Analysis' button. The right panel shows the resulting map with a legend and a data table.

Legend
Aggregation of TOPS - Construction Permit to GeographyFilter - SMDs - AggregatedPolygons

- 0 - 85
- 86 - 151
- 152 - 235
- 236 - 487
- 488 - 997

Aggregation of TOPS - Construction Permit to GeographyFilter - SMDs - AggregatedPolygons (296)

ddle Name	Sf	Apt	Zip	Email	Count of points	Total Status	+
			0.00		46	332	
			0.00		70	494	
			0.00		80	561	
			0.00		99	723	

<http://bit.ly/15Lrk9K>



AGOL Web Application Templates - Basic

This screenshot shows the configuration interface for an AGOL web application. The main title is "Aggregation of TOPS Construction Permit to SMDs". On the left, there is a "Contents" pane with a tree view of layers, including "Aggregation of TOPS - Construction Permit to SMDs" and various "GeographyFilter" layers. A "Share" dialog box is open, showing options to share the map with "Everyone (public)" or "Members of these groups". Below the dialog, there are options to "Link to this map" and "Embed this map".

This screenshot shows the AGOL web application viewer. The browser address bar displays the URL: dcgis.maps.arcgis.com/apps/OnePane/basicviewer/index.html?appid=c80a6fabab0d4eb4aa7365e5ec51269d. The main title is "Aggregation of TOPS Construction Permit to S...". The map displays a color-coded overlay of construction permits over a street map of Washington, DC. A legend on the left side of the map provides the following color key for the aggregated polygons:

- 0 - 85
- 86 - 151
- 152 - 235
- 236 - 487
- 488 - 997

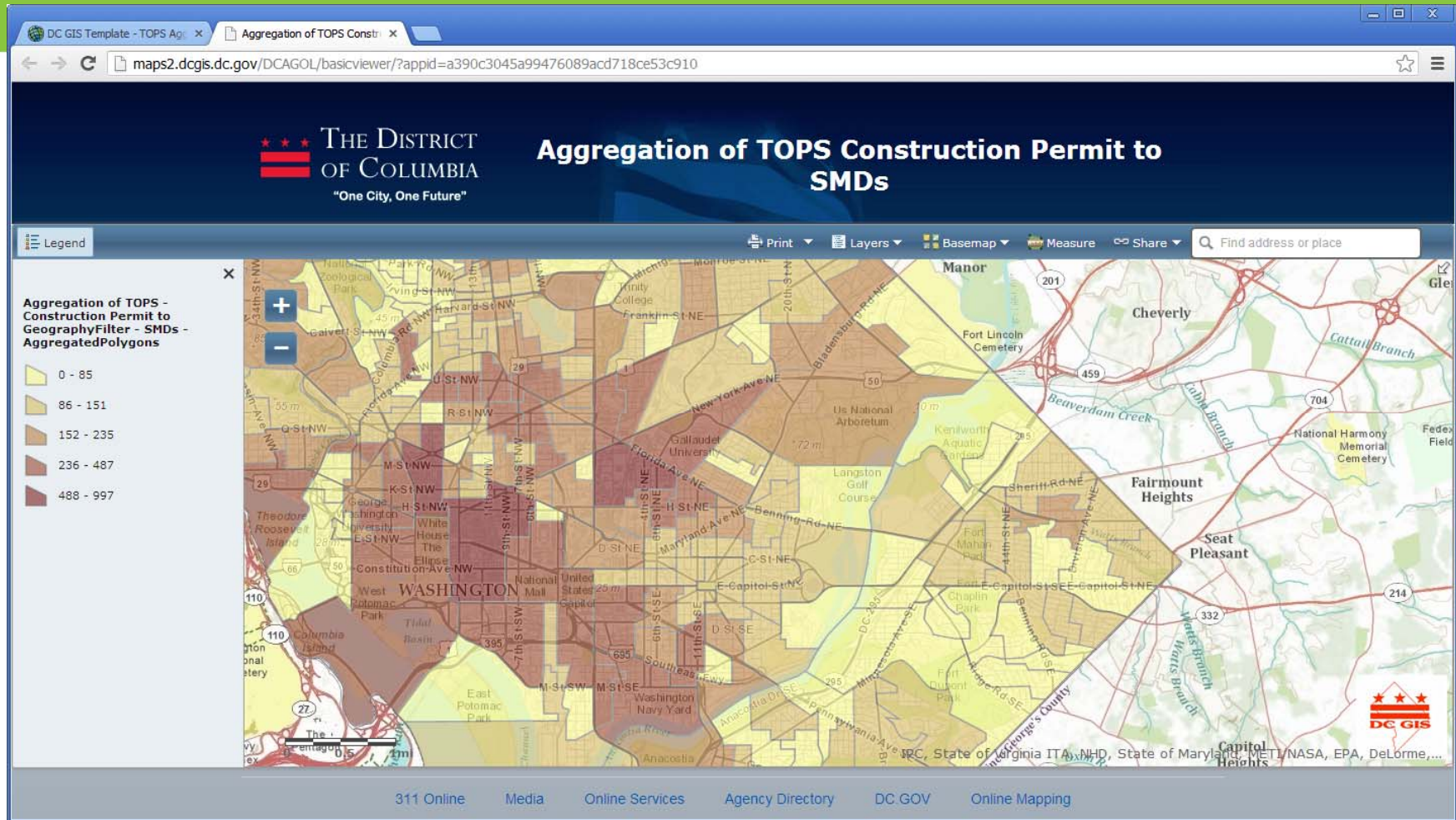
The map includes standard AGOL viewer controls such as "Print", "Layers", "Basemap", "Measure", and "Share". A search bar at the top right allows for finding addresses or places. The map shows various landmarks and streets in Washington, DC, including the National Mall, the White House, and the Capitol building.



<http://bit.ly/15Lsp19>



AGOL Web Application Templates – DC GIS



<http://1.usa.gov/15Lu7ja>



AGOL Web Application Templates – UFA

Aggregation of TOPS Constr... Street Tree Removal, Prunin...
dcgis.maps.arcgis.com/apps/Compare/Search/index.html?appid=0b4299ac1ce945d99090953b4cc7a634

Street Tree Removal, Pruning & Planting in Washington, DC

Scheduled Tree Removal **Scheduled Tree Pruning** **Scheduled Tree Planting**

Save Web Maps
Web Maps are currently saved

Find Web Maps
enter search text

This map displays the current street tree removal locations identified by DCOT's Urban Forestry Administration. The Urban Forestry Administration only removes street trees that are dead, dying, diseased or otherwise unsafe. To request tree removal services please visit 111.dc.gov or dial 311. Please direct any questions related to this map to Earl.Eutsler@dc.gov. Data displayed is intended for general information purposes and may be subject to change.

This map displays the current street tree pruning locations identified by DCOT's Urban Forestry Administration. The Urban Forestry Administration prunes street trees to remove dead, dying, damaged & diseased limbs, and to create adequate clearances from buildings and over roadways and sidewalks. Displayed here are locations that are scheduled to be pruned in the near future (1-3 months). To request tree pruning services for street trees, please visit 111.dc.gov or dial 311.

This map displays the current street tree planting locations identified by DCOT's Urban Forestry Administration. This map displays all planting work orders that have an "open" status. The actual locations that will be planted during the upcoming planting season will be selected from the collection of work orders displayed here. To request street tree planting, please visit 111.dc.gov or dial 311. UFA's planting season runs between October and April. Please direct any questions related to this map to Earl.Eutsler@dc.gov.

MAP INFORMATION
 Description
 Content
 Legend

SYNCHRONIZE MAPS:
 Scale
 Location



AGOL Map embedding

- iFrame code for direct website embedding

```
<iframe  
  width="500"  
  height="400"  
  frameborder="0"  
  scrolling="no"  
  marginheight="0"  
  marginwidth="0"
```

```
src="http://dcgis.maps.arcgis.com/home/web  
map/embedViewer.html?webmap=8bde7999  
1229457b9777d29596c42471&extent=-  
77.0071,38.8917,-76.9961,38.897">
```

```
</iframe>
```

Share

Embed in Website

Copy and paste HTML to embed in website

```
<iframe width="500" height="400" frameborder="0" scrolling="no" marginheight="0" marginwidth="0" src="http://dcgis.maps.arcgis.com/home/webmap/embedViewer.html?webmap=8bde79991229457b9777d29596c42471&extent=-77.0071,38.8917,-76.9961,38.897"></iframe><br /><small><a href="http://dcgis.maps.arcgis.com/home/webmap/viewer.html?webmap=8bde79991229457b9777d29596c42471&extent=-77.0071,38.8917,-76.9961,38.897" style="color:#0000FF;text-align:left" target="_blank">View Larger Map</a></small>
```

Small 300x260 Medium 500x400 Large 940x600 Custom Width 500 Height 400

Show zoom control. Show location search.
 Show scale bar. Show basemap selector.
 Show legend. View Larger Map
 Show description.

[< Back](#)

[Close](#)



AGOL ArcGIS Explorer Online

The screenshot displays the ArcGIS Explorer Online interface. The browser address bar shows the URL: dcgis.maps.arcgis.com/explorer/?open=8bde79991229457b9777d29596c42471. The page title is "Aggregation of TOPS Construction Permit to SMDs". The interface includes a "Layers" panel on the left with various filters, a central map, a "Details" panel for the selected "Aggregation of Construction Permit" feature, and a "Dashboard" on the right with various widgets.

Aggregation of Construction Permit

Count of points	51
Total Status	397
Gis Id	
Smd Id	7D04
Anc Id	7D
Web Url	http://app.anc.dc.gov/wards.asp?war
Name	SMD 7D04
Chair	
Rep Name	
Last Name	
First Name	
Address	
Middle Name	
Sf	
Apt	
Zip	
Email	
Shape Length	Null
Shape Area	Null

Dashboard

Status Gauge

397 15

20% 1%

Indicates % complete by Status

New Indicator

51

↑ 51

2

↓ 2

Pie Chart

397

New Summary

1 feature

51



ArcGIS Dashboard - Viewer

The dashboard provides a comprehensive overview of work order operations. Key components include:

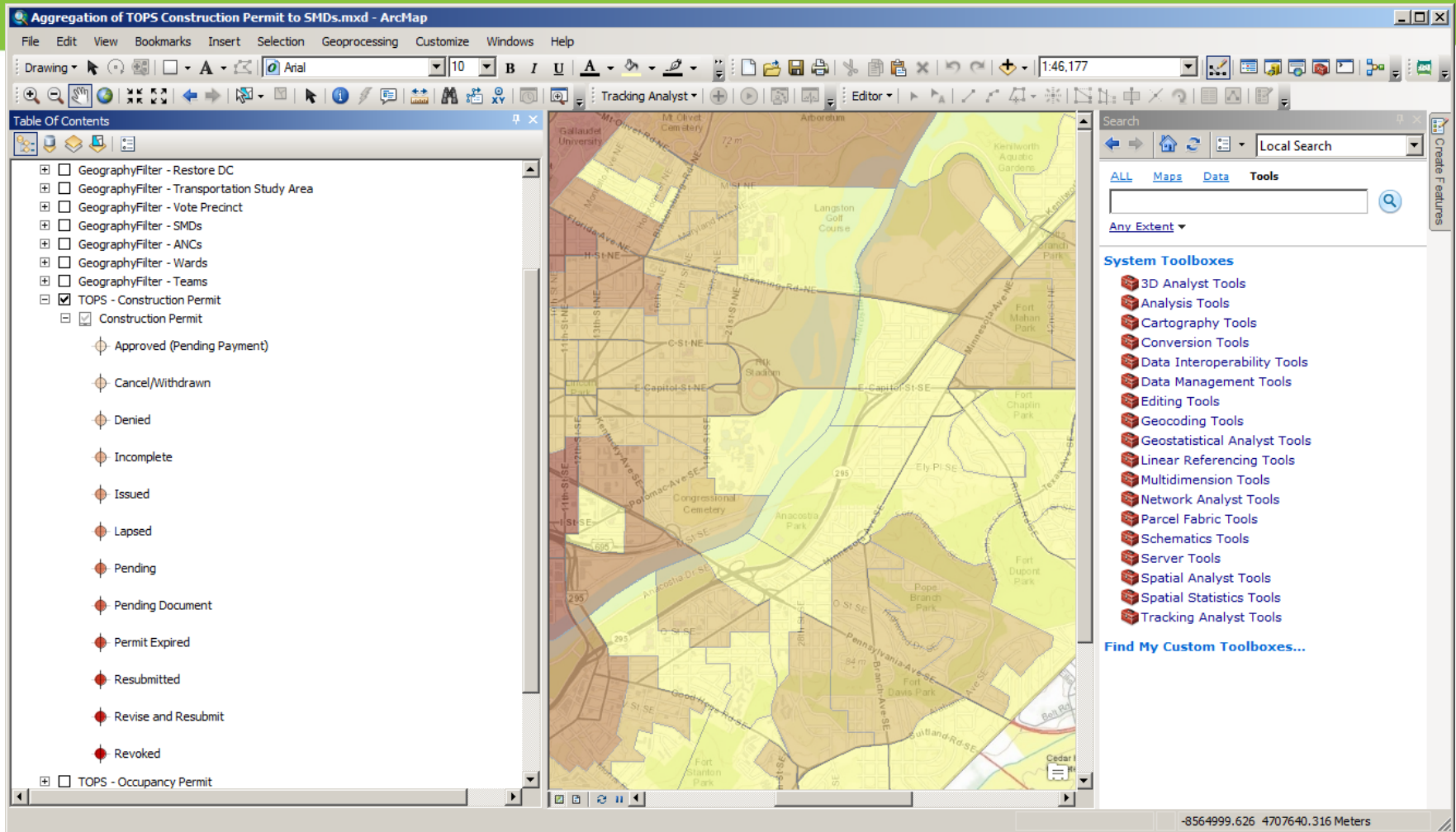
- Cost Summary:** Total cost of \$226,746.16 and average cost of \$354.29 per request.
- Map View:** A central map showing the geographic distribution of work orders across the city, with red and blue markers indicating different categories.
- Service Types:** A horizontal bar chart showing the frequency of various work order types, such as Street General Repair, Curb & Gutter, and Tree Removal.
- Feature Details:** A panel for viewing specific work order information, including description, category, cost, and status.
- Configuration:** A 'Configure Bar Chart' dialog box for customizing the display of permit data.

Service Type	Count
STREET GENERAL REPAIR	1
INVESTIGATION - INSPECTION REPAIR	1
SIDEWALK INSTALL	1
STREET NAME SIGN REPLACEMENT	1
REGULATORY SIGN NEW INSTALL	1
EMERGENCY REPAIR	1
STORM (STUMP)	1
REGULATORY SIGN REPLACEMENT	1
PARKING SIGN NEW INSTALL	1
REGULATORY SIGN REPAIR	1
ALLEY UNIMPROVED REPAIR	1
HANDICAP PARKING SIGN NEW INSTALL	1
PRUNING	20
CURB & GUTTER REMOVE & REPLACE	28
STUMP REMOVAL	35
EMERGENCY	39
SIDEWALK REMOVE & REPLACE	60
PLANTING	138
TREE REMOVAL	166

Status	Count
Denied	1
Issued	1
Cancel/Withdrawn	131
Lapsed	159
Permits Expired	708



ArcGIS Desktop



Esri Maps for Office - Excel

The screenshot shows the Microsoft Excel interface with the Esri Maps for Office ribbon. The main window displays a map of Washington, D.C., with a heatmap overlay. The Esri Maps ribbon is visible at the top, and the Esri Maps task pane is open on the right side, showing a list of map layers and their status.

Esri Maps Ribbon:

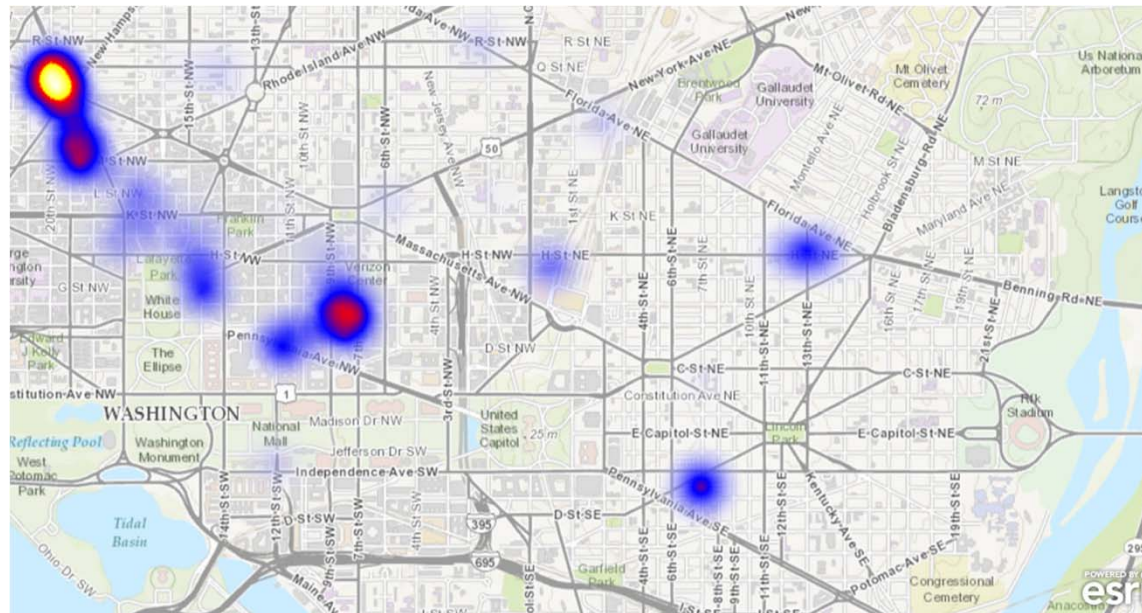
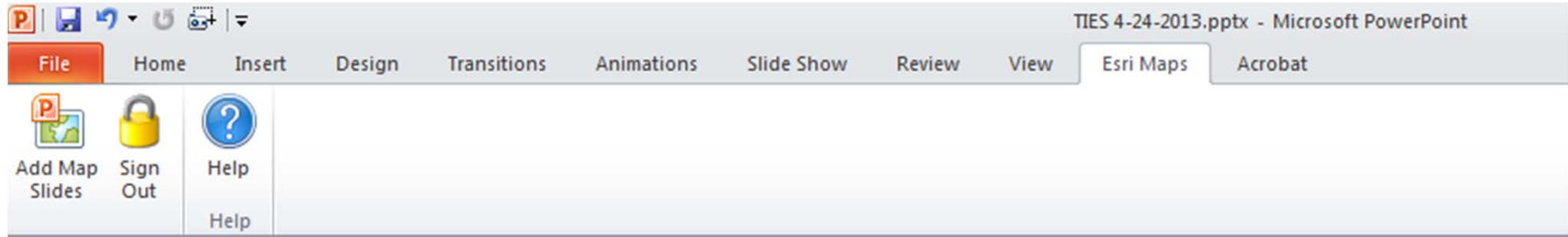
- File
- Home
- Insert
- Page Layout
- Formulas
- Data
- Review
- View
- Esri Maps
- Acrobat

Esri Maps Task Pane:

- Map Contents
- Search
- Heat Map
- Annual Public Space Rental Permi (Red Diamond)
- Annual Public Space Rental Permi (Red Diamond)
- Approved (Pending Payment)
- Cancel/Withdrawn
- Denied
- Incomplete
- Issued
- Lapsed
- Pending
- Pending Document
- Permit Expired
- Resubmitted
- Revise and Resubmit
- Revoked
- Annual Public Space Rental Permi (Green Diamond)
- Approved (Pending Payment)
- Assigned
- Documents Pending
- Incomplete
- Issued
- Lapsed
- Permit Expired
- Rejected
- Resubmit
- Resubmitted
- Revoked
- Trash/Delete



Esri Maps for Office - PowerPoint





Custom TIES templates

AGOL TIES Prototype Template

d. CITY WORKS District Department of Transportation

d. TIES District Department of Transportation

Legend

- Open Workorders
- Open Service Request

Active Map Tool: Polygon

Available Layers: Clear

- Open Workorders (5)
- Open Service Request (21)

WO	DES	SUF	REC	INT	INI	PRC	LOC	PRC	PRC	ACT	ACT	WO	ISC	PRI	SOL	CYC	SCH	XCC	YCC	ONS	ONS	WO	UNA	WO	WO	WO	WO	SUE	SUE	STA	WO	WO	WAI	CAN	CAN	ASE	WO	PRC	UPC						
337	PLA		CH/	12/				12/	12/	12/	12/		N	3		A	12/	400	135	400	135	UFA	N	268	0	268	0		12/	OPE		12/	6						12/	UFA	508	12/	IND	AVE	SE
337	PLA		CH/	03/				03/	02/	12/	12/		N	3		A	12/	400	135	400	135	UFA	N	268	0	268	0		12/	OPE		12/	6					12/	UFA	412	03/	IND			

d. delivers district department of transportation

<https://gistest.jmt.com/TIES2/index.html>



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