

# Updates to the TPB Regional Transportation Data Clearinghouse (RTDC)

TPB Travel Forecasting Subcommittee

20<sup>th</sup> March 2015

Charlene Howard, GISP, TPB/COG staff

National Capital Region Transportation Planning Board (TPB)

Metropolitan Washington Council of Governments (COG)



# Where we are currently

- Current RTDC datasets refreshed
  - Transit counts (average weekday) updated with FY 2014 data
  - Traffic counts – current to 2013
    - Average annual & external complete
    - Hourly and Classification counts are in progress; will be finalized by the end of the month
- Current RTDC Flex web application updated
  - Links to data updated
  - Application design
- A new RTDC is born...
  - Content migrated to ArcGIS Online
  - RTDC project page now available through ArcGIS Open Data



# *The RTDC & ArcGIS Online (AGO)*

- ❑ ArcGIS Online makes our data more accessible and discoverable
- ❑ Data can be made available in a greater number of formats
- ❑ Our content can be used to create custom user-generated web maps (on ArcGIS.com) on demand
- ❑ Ability to search for content by keyword, location & category of data
- ❑ Flexible data download options with filtering & data formats
- ❑ Available on mobile devices



# The new RTDC project page

- All new RTDC datasets will be incorporated into ArcGIS Online
- Includes a link to the current Flex application
- Sections
  - Welcome, Data Catalog/category search, Data Viewer, Flex data viewer, web map gallery, applications
- Several ways to search
  - By keyword
  - Search for data within map
  - Use location search to navigate to a specific location

The screenshot shows the TPB Regional Transportation Data Clearinghouse website. At the top, there is a navigation bar with the TPB logo and the text 'TPB REGIONAL TRANSPORTATION DATA CLEARINGHOUSE'. Below this is a search bar with the placeholder text 'Search for open data' and a 'SEARCH WITHIN MAP' button. A map of the Washington D.C. area is displayed, showing various locations like Sterling, Reston, Centreville, Dale City, Aspen Hill, Washington, Bowie, Annapolis, Easton, and Dover. Below the map, there is a 'Browse Data by category' section with icons for Traffic Counts, Transit Data, and Other. The 'Welcome' section contains a paragraph of text and several links. The 'Data Catalog' section explains how users can explore the RTDC's content. The 'The RTDC Data Viewer (web map)' section provides a link to the web map.



# Data Catalog

- Data organized into groups by tags
- Most common data types
- Additional categories coming soon; suggestions always welcome

The screenshot displays the TPB Regional Transportation Data Clearinghouse interface. At the top, the logo and name "TPB REGIONAL TRANSPORTATION DATA CLEARINGHOUSE" are visible. Below the header is a search bar with the text "Search for open data" and a "SEARCH WITHIN MAP" checkbox. A map of the region is shown, with a blue box highlighting the Baltimore-Washington area. Below the map, the text "1-10 of 35 results" is displayed. A list of datasets is shown, including:

- Activity Centers** (from Regional Transportation Data Clearinghouse (RTDC))
  - Shared by GIS@MWCOC on February 04, 2015. Updated an hour ago.
  - This dataset is part of the TPB Regional Transportation Data Clearinghouse. The Region Forward Coalition worked with the Metropolitan Washington Council of Governments, Planning Directors Technical Advisory Committee to develop the 2013 Activity Centers. Activity Centers are existing urban centers, traditional towns, transit hubs, as well as areas expecting future growth. The 2013 Activity Centers are the third iteration of Activity Centers from the Metropolitan Washington Council of...
  - 6 attributes | 141 rows | [download icon] [star icon]
- Air Passenger Originations by Airport (2013)** (from Regional Transportation Data Clearinghouse (RTDC))
  - Shared by GIS@MWCOC on August 06, 2014. Updated 20 hours ago.
  - This dataset is part of the TPB Regional Transportation Data Clearinghouse. The Baltimore-Washington Regional Air Passenger Survey includes estimated data for how many passengers in each of the 161 Airport Analysis Zones (AAZs) in the Baltimore-Washington region took flights departing from Reagan National, BWI Marshall and Washington Dulles International Airports. The data represent home based and non-home based originations in the Baltimore Washington area to IAD, DCA and BWI airports...
  - 22 attributes | 161 rows | [download icon] [star icon]
- Air Passenger Originations by Airport (2011)** (from Regional Transportation Data Clearinghouse (RTDC))
  - Shared by GIS@MWCOC on August 06, 2014. Updated 20 hours ago.
  - This dataset is part of the TPB Regional Transportation Data Clearinghouse. The Baltimore-Washington Regional Air Passenger Survey includes estimated data for how many passengers in each of the 161 Airport Analysis Zones (AAZs) in the Baltimore-Washington region took flights departing from Reagan National, BWI Marshall and Washington Dulles International Airports. The data represent home based and non-home based originations in the Baltimore Washington area to IAD, DCA and BWI airports...
  - 24 attributes | 161 rows | [download icon] [star icon]
- Cooperative Forecasts - Round 8.3** (from Regional Transportation Data Clearinghouse (RTDC))
  - Shared by GIS@MWCOC on August 06, 2014. Updated a day ago.
  - 30 attributes | 3675 rows | [download icon] [star icon]

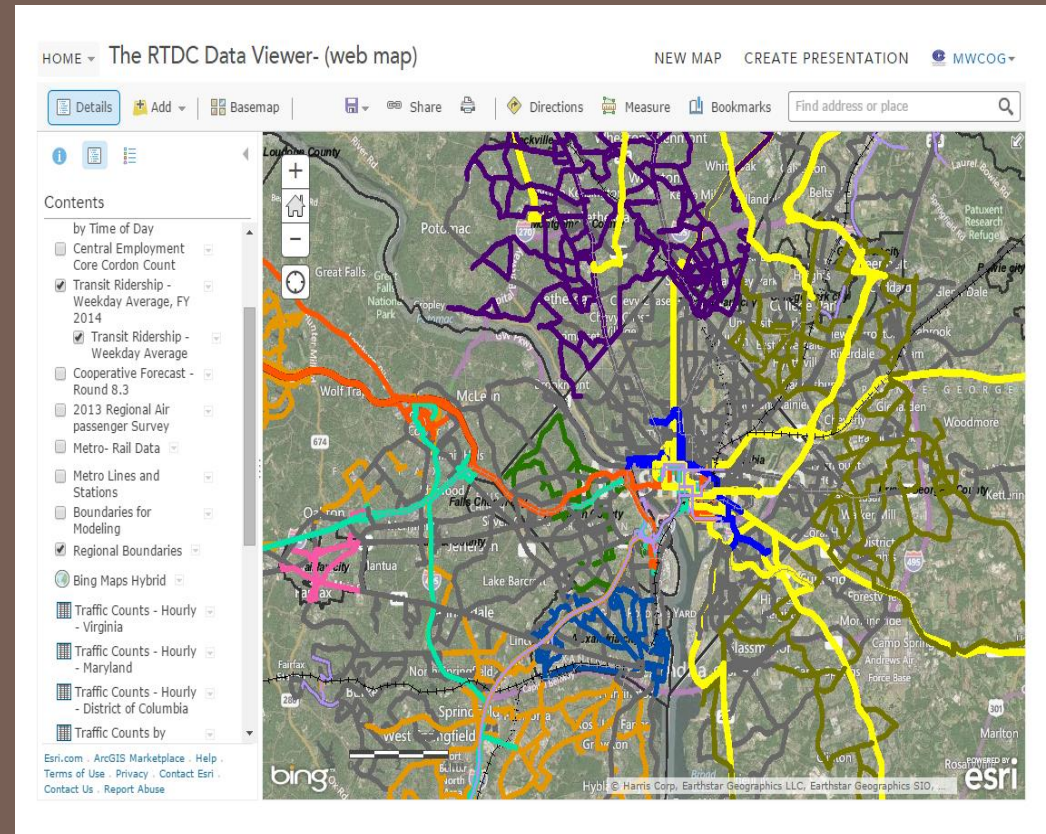
On the right side of the page, there is a "My Favorites" section with the text "click ☆ on any dataset to add to your favorites".



# The new RTDC Data Viewer (web map)

5

- RTDC Data Viewer
  - ArcGIS Online (AGO) web map
  - Contains same datasets as the Flex viewer
  - Embedded in this page, but can be opened & viewed independently
  - Layers can be turned on/off
  - Attribute information available through popup menus
  - New data layers can be added to the map
  - Map can be easily shared
  - If signed into ArcGIS Online, users can save the map as their own content



# RTDC Maps, RTDC Apps

- ❑ ArcGIS Online groups based on content type
- ❑ Web maps and applications utilizing RTDC content
- ❑ Additional web maps and applications will be added as they are developed
- ❑ “Coming soon”

The screenshot displays the ArcGIS Online interface for the 'RTDC Maps' group. At the top, there are navigation options: EDIT, INVITE USERS, MEMBERSHIP REQUESTS, CHANGE OWNER, DELETE GROUP, and SHARE. Below this, it states 'Web maps created from content of the Regional Transportation Data Clearinghouse'. The main content area is titled 'Group Content' and shows a list of items under 'All Results'. The items are:

- Metro - Passenger Survey (2012)**: Metro Rail Passenger Survey Data. Web Map by GIS@MWCOG. Last Modified: March 17, 2015. (0 ratings, 0 comments, 29 views)
- Regional Bicycle Facilities in the T98 Member region**: A Collection of web map services and other bicycle-related data for the Metropolitan Washington region. Web Map by GIS@MWCOG. Last Modified: March 13, 2015. (0 ratings, 0 comments, 58 views)
- The RTDC Data Viewer (vab map)**: All RTDC layers in one web map for basic query & display. Web Map by GIS@MWCOG. Last Modified: March 19, 2015. (0 ratings, 0 comments, 209 views)
- Transit Ridership - Weekday Average (2012)**: Monthly totals of average weekday transit ridership for transit routes in the National Capital region. Web Map by GIS@MWCOG. Last Modified: March 19, 2015. (0 ratings, 0 comments, 152 views)
- Transit Ridership - Weekday Average (2013)**: Monthly totals of average weekday transit ridership for transit routes in the National Capital region. Web Map by GIS@MWCOG. Last Modified: March 19, 2015. (0 ratings, 0 comments, 141 views)
- Transit Ridership - Weekday Average (2014)**: Monthly totals of average weekday transit ridership for transit routes in the National Capital region. Web Map by GIS@MWCOG. Last Modified: March 19, 2015. (0 ratings, 0 comments, 222 views)

On the right side, there are social media links for Facebook and Twitter, and a 'Group Details' section showing the group name 'GIS@MWCOG', status 'public (open data)', contributors 'All members', and tags 'RTDC, Regional Transportation Data Clearinghouse'. There are also 2 members listed: GIS@MWCOG and RTDC\_admin\_x.



# What's next

- New datasets coming to the RTDC
  - ▣ MPO performance measurement –related datasets
    - NBI – National Bridge Inventory
    - Pavement condition (International Roughness Index, IRI)
  - ▣ Census Transportation Planning Package (CTPP) data
  - ▣ Additional TPB datasets
- Development of additional web maps & applications
- *What would you like to see in the RTDC?*





# Closing

- Visit the new RTDC
  - <http://rtdc.mwcog.opendata.arcgis.com>
  - Keep in mind- URL is subject to change, page under construction
  
- Thanks to
  - RTDC team: Nicole McCall, Jessica Mirr, Martha Kile
  - Other TPB staff and jurisdictional partners for providing data and assistance
  
- Questions?
  - Charlene Howard ([charlene@mwcog.org](mailto:charlene@mwcog.org))

