Update of the Regional Transportation Data Clearinghouse

National Capital Region Transportation Planning Board (TPB)

Travel Forecasting Subcommittee 30 November 2012

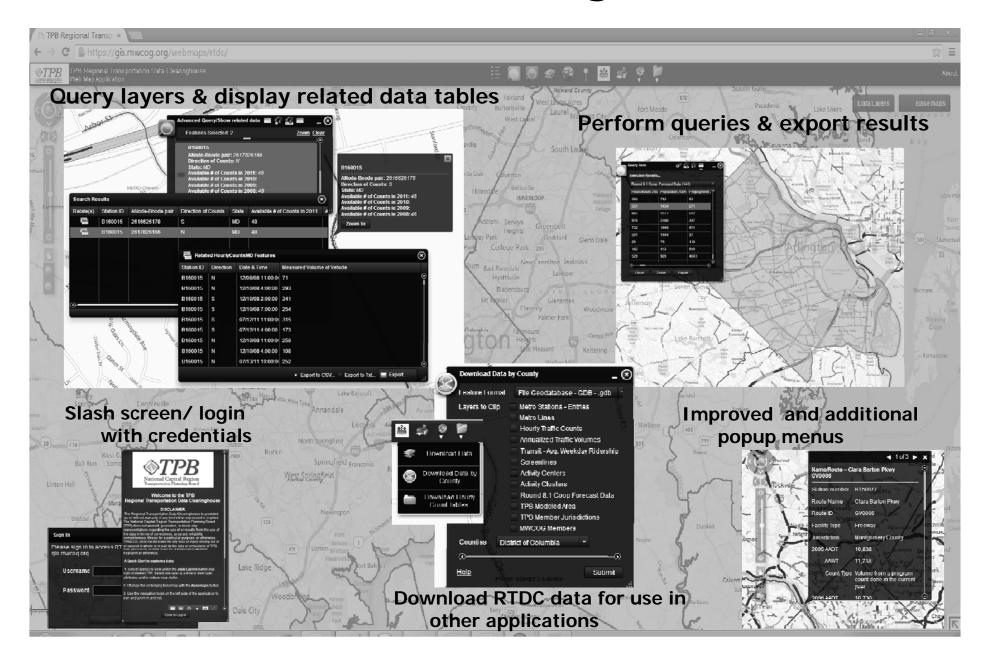
Presentation outline

- A short project overview-what is the Regional Transportation Data Clearinghouse (RTDC)?
- Application overview the RTDC at a glance and application components
- Highlights the main data enhancements for this version of the RTDC
- Demonstration
- Looking Ahead

What is the RTDC?

- Overall, it is a collection of transportation-related data
 - Includes our own datasets & data collected from member agencies & assembled by us
 - Additional Esri base maps for reference
- RTDC first released over a decade ago as an ArcView 3.2 project
 - Over the years, focus has shifted toward building a comprehensive regional database of traffic counts tied to the TPB master network
 - Expanded to include transit-related count data
- The project is now available as a web map application using the ArcGIS Viewer for Flex (version 3.0)
 - Member jurisdiction and agency staff need an easier way to access our datasets than what has traditionally been delivered to them
 - Provide a more interactive experience via a web interface

The RTDC at a glance



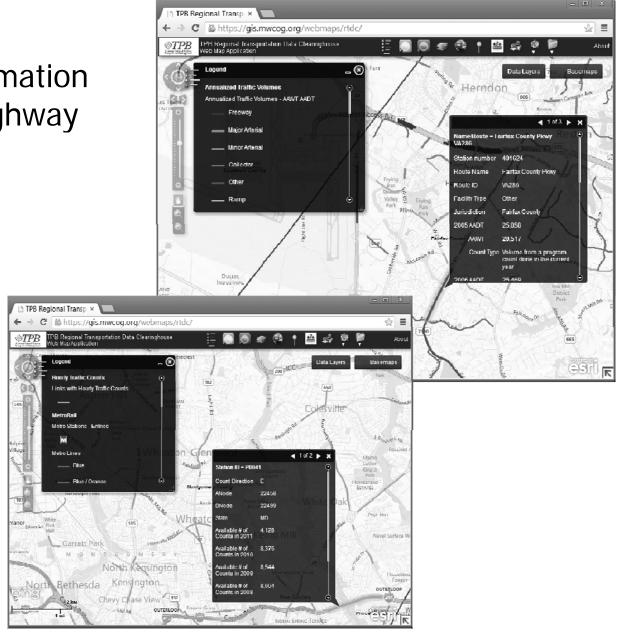
Main components of the RTDC

- Widgets- the tools that provide application functionality
 - Query ('select by attribute')
 - Advanced Query- show related data tables
 - Download Data
 - Documents (User's Guide)
 - General
 - Legend show symbology for data layers
 - Zoom to Jurisdictions
 - Find an Address
 - Draw and Measure
 - Print

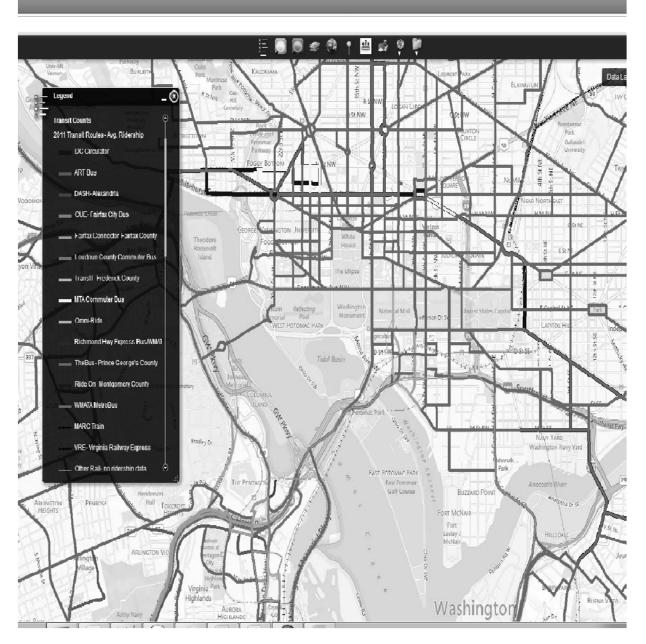
- Available data layers
 - Highway network (traffic related)
 - Annualized Traffic Volumes
 - Hourly Traffic Counts
 - Transit Routes- Average Ridership
 - WMATA
 - Metro Stations
 - Metro Lines
 - Round 8.1 Cooperative Forecast by TAZ
 - Version 2.3 Screenlines
 - Activity Centers & Clusters (round 7)
 - Regional Boundaries
 - TPB Modeled Area
 - TPB Planning
 - COG

Highlights- Traffic Counts/Volumes

- Improved traffic count/volume information for TPB regional highway network links
- Fixed errors with station to link matching
- Updated Annualized
 Traffic Volumes layer
 to include 2005-2011
 data
- Updated Hourly Traffic
 Counts layer to include
 2008-2011 data
- Utilized TPB highway network (dual link) for counts layers



Highlights- Transit ridership data



New & existing transit ridership data joined to the 2011 year TPB regional transit network.

Improvements include

- Formerly missing routes with existing ridership data (DC Circulator)
- Existing routes with no ridership data (CUE)
- New transit in service since 2009 (REX)
- Monthly ridership totals through September 2012 (where available)

Highlights- Cooperative Forecast



 Round 8.1 Cooperative Forecast land use data by Transportation Analysis Zone (TAZ)

Demonstration

Looking ahead

Shorter term

- RTDC efforts will now go into 'maintenance mode' to address any data inconsistencies, application bugs, etc.
- Implement database improvements- reorganization of datasets, tables and relationships to improve interaction with the application

Longer term

- Data: additional datasets- what can we add to the RTDC?
- Data: update current RTDC layers with current data as it becomes available
- Application: additional ways to access the data via the interface
- Application: alternate development platform for RTDC?

The RTDC team

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https://gis.mwcog.org/webmaps/rtdc