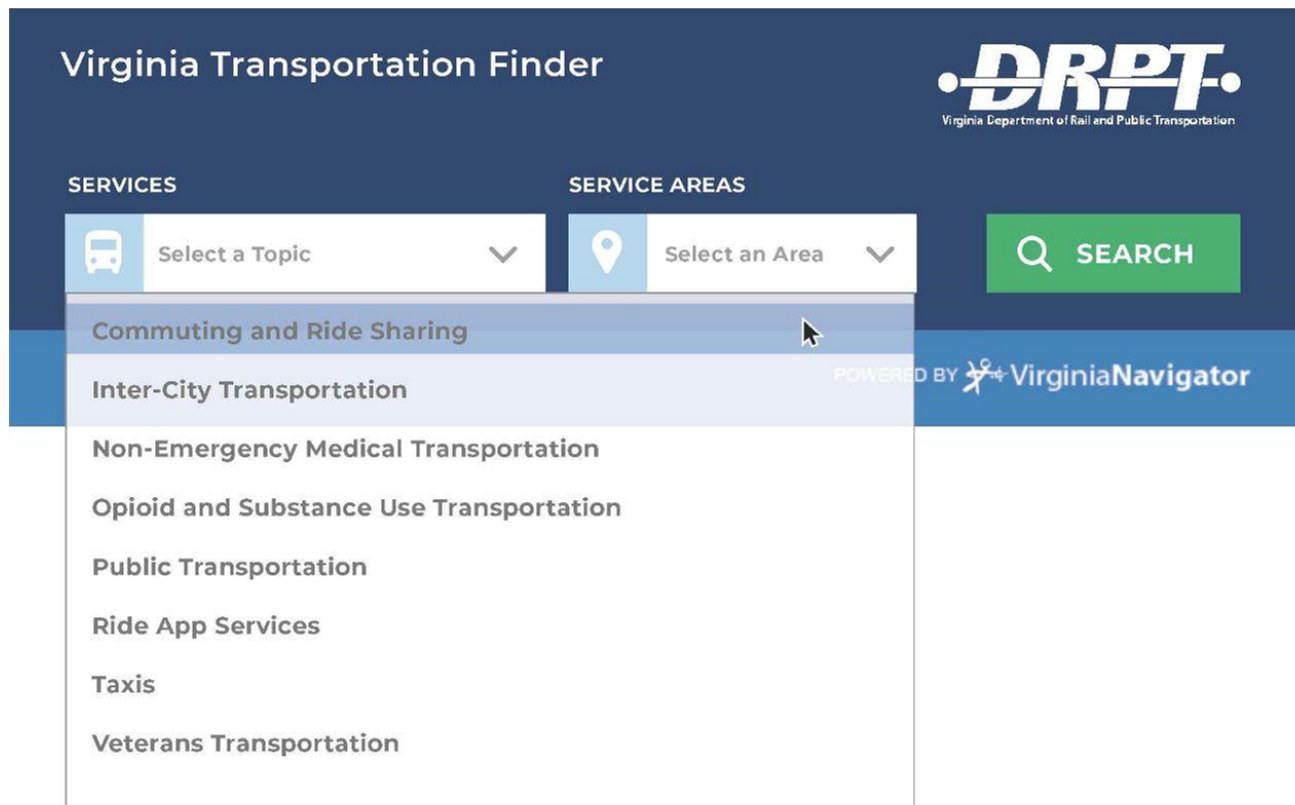

Trip Planning for Transit Agencies and Riders

Maximizing GTFS and Tapping into the State's One-Call/One-Click System

Project Focus

- ‘Utilize innovative coordination strategies to enhance mobility and access to services for older adults, individuals with disabilities, and people of low income’
 - *Funding provided through FTA’s Mobility for All program*
- Develop an online listing of all transportation services in Virginia
 - *Utilize existing platform: VirginiaNavigator*
 - *Develop widget for use on state agency and partner sites*
- Develop GTFS feeds for existing fixed-route transportation
 - *Develop a clearinghouse (website) to host the GTFS feeds*
 - *Push GTFS feeds to Google Maps*
 - *Connect Google Maps to VirginiaNavigator*

VirginiaNavigator: One-Call/One-Click



The screenshot displays the "Virginia Transportation Finder" interface. At the top left, the title "Virginia Transportation Finder" is shown. To the right is the "DRPT" logo with the text "Virginia Department of Rail and Public Transportation". Below the title, there are two dropdown menus: "SERVICES" and "SERVICE AREAS". The "SERVICES" dropdown is currently open, showing a list of options: "Commuting and Ride Sharing", "Inter-City Transportation", "Non-Emergency Medical Transportation", "Opioid and Substance Use Transportation", "Public Transportation", "Ride App Services", "Taxis", and "Veterans Transportation". A green "SEARCH" button is located to the right of the dropdowns. At the bottom right of the interface, it says "POWERED BY VirginiaNavigator".

Virginia Transportation Finder

DRPT
Virginia Department of Rail and Public Transportation

SERVICES SERVICE AREAS

Select a Topic Select an Area

SEARCH

Commuting and Ride Sharing

Inter-City Transportation

Non-Emergency Medical Transportation

Opioid and Substance Use Transportation

Public Transportation

Ride App Services

Taxis

Veterans Transportation

POWERED BY VirginiaNavigator

GTFS

Project Goals

- Standardized high quality GTFS across all fixed route agencies, regardless of size and capacity
- Single transit data repository for the entire state
- Easy access for developers and the public via apps, maps, etc.
- Open source format

Overview

- Collected and developed GTFS feeds (where needed) for all fixed route transit in the Commonwealth
- Made the data available online using industry the standard static GTFS format
- Which means GTFS feed data is now available to:
 - » *State Agencies for planning*
 - Smart Scale
 - VTRANS
 - Equity and Modernization Study
 - » *Transit Agencies*
 - Make riding easier
 - Service planning
 - » *3rd party developers*
 - Transit rider apps
 - trip planning (Google Maps etc)

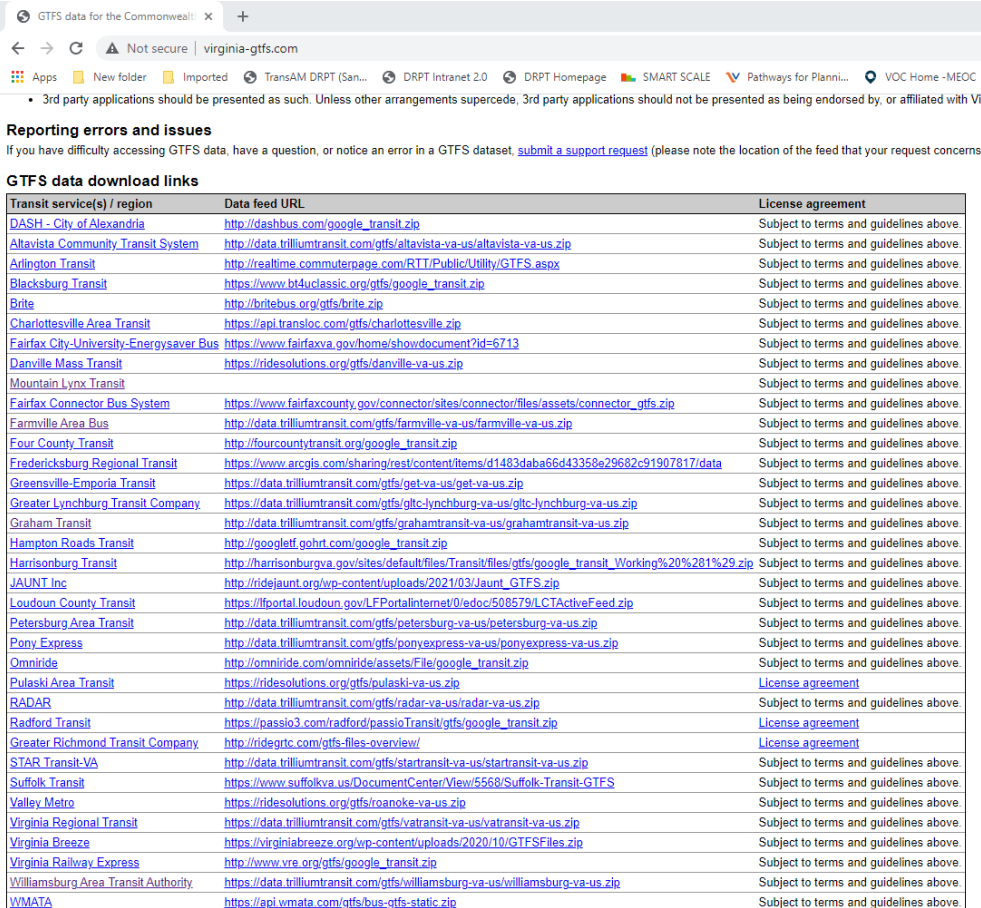
Resources & Tools

- Project made technical assistance available to smaller agencies who lack resources to develop and maintain their own feeds
- Continuing technical assistance will allow feeds to be updated and maintained when routes/stop change
- Simply reach out to DRPT and Trillium Transit with the details of the changes
- Created a one stop shop for GTFS data. **virginia-gtfs.org**
- Worked through the process of adding feeds to Google Maps
- Shared GIS data through state GIS portals
 - » *Pathways for Planning*
 - » *DRTP Open Data Portal*
 - » *Project Pipeline*

Clearinghouse

virginia-gtfs.org

- Provides links to download up-to-date feeds
- List of agencies
- GTFS resources
- Long-term maintenance



The screenshot shows a web browser window with the URL virginia-gtfs.org. The page content includes a navigation bar with various application icons, a section for reporting errors and issues, and a table of GTFS data download links. The table lists various transit services across different regions in Virginia, providing a direct link to their GTFS data feed and a link to their license agreement.

Transit service(s) / region	Data feed URL	License agreement
DASH - City of Alexandria	http://dashbus.com/google_transit.zip	Subject to terms and guidelines above.
Altavista Community Transit System	http://data.trilliumtransit.com/gtfs/altavista-va-us/altavista-va-us.zip	Subject to terms and guidelines above.
Arlington Transit	http://realtime.commuternpage.com/RTT/Public/Utility/GTFS.aspx	Subject to terms and guidelines above.
Blacksburg Transit	https://www.b4uclassic.org/gtfs/google_transit.zip	Subject to terms and guidelines above.
Brite	http://britebus.org/gtfs/brite.zip	Subject to terms and guidelines above.
Charlottesville Area Transit	https://api.transloc.com/gtfs/charlottesville.zip	Subject to terms and guidelines above.
Fairfax City-University-Energysaver Bus	https://www.fairfaxva.gov/home/showdocument?id=6713	Subject to terms and guidelines above.
Danville Mass Transit	https://ridesolutions.org/gtfs/danville-va-us.zip	Subject to terms and guidelines above.
Mountain Lynx Transit		Subject to terms and guidelines above.
Fairfax Connector Bus System	https://www.fairfaxcounty.gov/connector/sites/connector/files/assets/connector_gtfs.zip	Subject to terms and guidelines above.
Farmville Area Bus	http://data.trilliumtransit.com/gtfs/farmville-va-us/farmville-va-us.zip	Subject to terms and guidelines above.
Four County Transit	http://fourcountyttransit.org/goagle_transit.zip	Subject to terms and guidelines above.
Fredericksburg Regional Transit	https://www.arcgis.com/sharing/rest/content/items/d1483daba66d43358e29682c91907817/data	Subject to terms and guidelines above.
Greensville-Emporia Transit	https://data.trilliumtransit.com/gtfs/get-va-us/get-va-us.zip	Subject to terms and guidelines above.
Greater Lynchburg Transit Company	https://data.trilliumtransit.com/gtfs/gltc-lynchburg-va-us/gltc-lynchburg-va-us.zip	Subject to terms and guidelines above.
Graham Transit	http://data.trilliumtransit.com/gtfs/grahamtransit-va-us/grahamtransit-va-us.zip	Subject to terms and guidelines above.
Hampton Roads Transit	http://googleft.gohrt.com/google_transit.zip	Subject to terms and guidelines above.
Harrisonburg Transit	http://harrisonburgva.gov/sites/default/files/Transit/files/gtfs/google_transit_Working%20%281%29.zip	Subject to terms and guidelines above.
JAUNT Inc	http://ridejaunt.org/wp-content/uploads/2021/03/Jaunt_GTFS.zip	Subject to terms and guidelines above.
Loudoun County Transit	https://portal.loudoun.gov/LFPortalInternet/0/edoc/508579/LCTActiveFeed.zip	Subject to terms and guidelines above.
Petersburg Area Transit	http://data.trilliumtransit.com/gtfs/petersburg-va-us/petersburg-va-us.zip	Subject to terms and guidelines above.
Pony Express	http://data.trilliumtransit.com/gtfs/ponyexpress-va-us/ponyexpress-va-us.zip	Subject to terms and guidelines above.
OmniRide	http://omniride.com/omniride/assets/File/google_transit.zip	Subject to terms and guidelines above.
Pulaski Area Transit	https://ridesolutions.org/gtfs/pulaski-va-us.zip	License agreement
RADAR	http://data.trilliumtransit.com/gtfs/radar-va-us/radar-va-us.zip	Subject to terms and guidelines above.
Radford Transit	https://passio3.com/radford/passioTransit/gtfs/google_transit.zip	License agreement
Greater Richmond Transit Company	http://ridegrtc.com/gtfs-files-overview/	License agreement
STAR Transit-VA	http://data.trilliumtransit.com/gtfs/starttransit-va-us/starttransit-va-us.zip	Subject to terms and guidelines above.
Suffolk Transit	https://www.suffolkva.us/DocumentCenter/View/5568/Suffolk-Transit-GTFS	Subject to terms and guidelines above.
Valley Metro	https://ridesolutions.org/gtfs/roanoke-va-us.zip	Subject to terms and guidelines above.
Virginia Regional Transit	https://data.trilliumtransit.com/gtfs/vatransit-va-us/vatransit-va-us.zip	Subject to terms and guidelines above.
Virginia Breeze	https://virginiabreeze.org/wp-content/uploads/2020/10/GTFSFiles.zip	Subject to terms and guidelines above.
Virginia Railway Express	http://www.vre.org/gtfs/google_transit.zip	Subject to terms and guidelines above.
Williamsburg Area Transit Authority	https://data.trilliumtransit.com/gtfs/williamsburg-va-us/williamsburg-va-us.zip	Subject to terms and guidelines above.
WMATA	https://api.wmata.com/gtfs/bus-gtfs-static.zip	Subject to terms and guidelines above.

Trillium hosts and maintains this website as parts of its [GTFS consulting services](#)

Google Maps (Transit)

Fredericksburg to 1099 Washing... x +

google.com/maps/dir/Fredericksburg/38.3023146,-77.4662968/@38.3017712,-77.4624782,16.5z/am=t/data=14m9l4m8l1m5l1m11s0x89b6c210ea3ee05d:0x6b3d61399180a42c2m2l1d-77.4569373l2d38.2984288l1m0l3e3

Apps New folder Imported TransAM DRPT (San... DRPT Intranet 2.0 DRPT Homepage SMART SCALE Pathways for Planni... VOC Home -MEOC VOC Home - Bay

from Fredericksburg, 200 Lafayette Blvd, Fredericksbu...
to 1099 Washington Ave, Fredericksburg, VA 22401

12:06 PM - 12:12 PM (6 min) [F4]

12:08 PM from Train Station (Caroline St.)
\$1.25 3 min

ADD TO CALENDAR

SCHEDULE EXPLORER

12:06 PM **Fredericksburg**
200 Lafayette Blvd, Fredericksburg, VA 22401

Walk
About 2 min, 217 ft

12:08 PM **Train Station (Caroline St.)**

[F4] FRED Central
3 min (5 stops)

12:11 PM **Amelia St. / Douglas St.**

Walk
About 1 min, 354 ft

12:12 PM **1099 Washington Ave**
Fredericksburg, VA 22401

Cost: \$1.25

Tickets and information
FREDericksburg Regional Transit - Ticket information - 1 (540) 372-1222

Google Maps (Transit)

Fredericksburg to 1099 Washingi x +

google.com/maps/dir/Fredericksburg/38.3023146,-77.4662968/@38.3017712,-77.4624782,16.5z/am=t/data=l4m9l4m8l1m5l1m1l1s0x89b6c210ea3ee05d0x6b3d61399180a42cl2m2l1d-77.4569373l2d38.2984288l1m0l3

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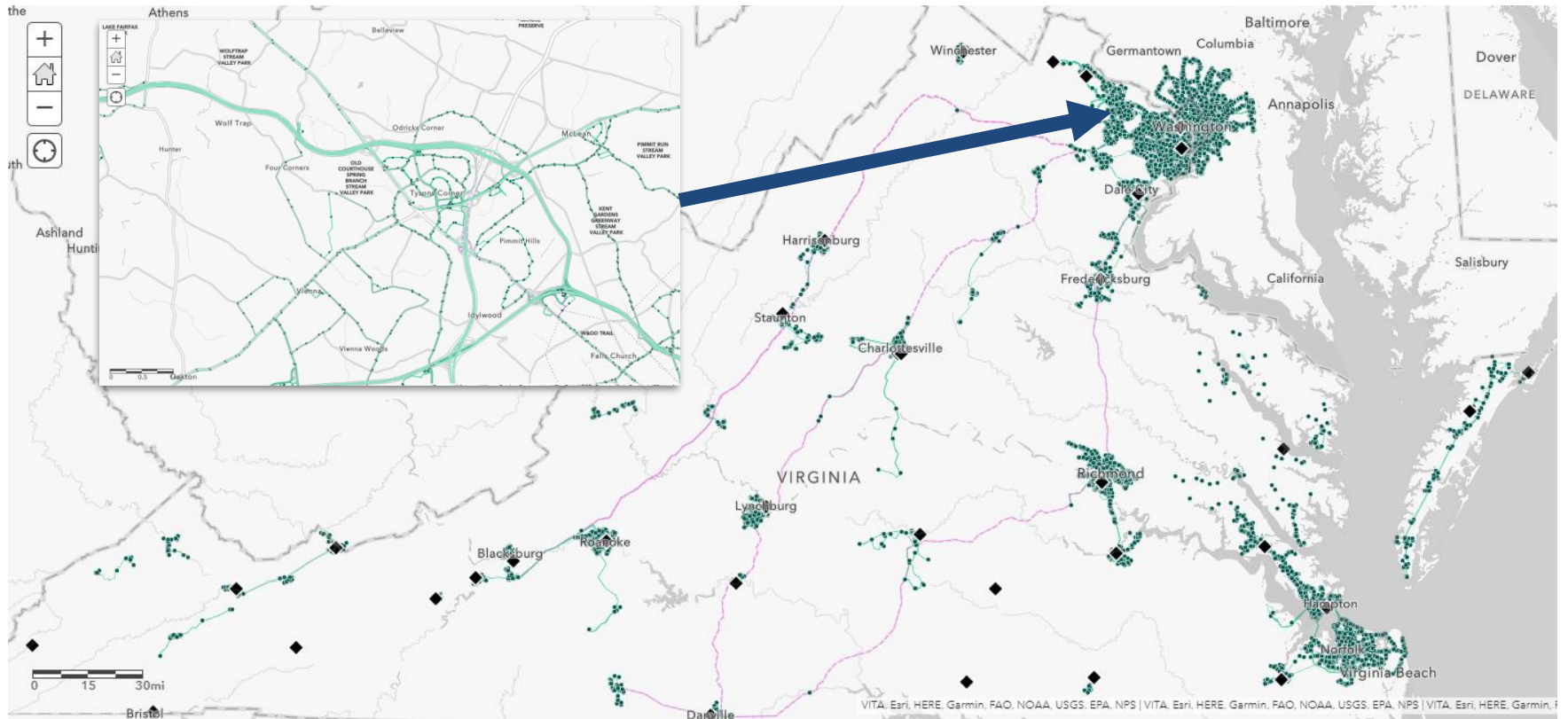
Leave now 11:47 AM Fri, Jul 16 Route options

12:00 PM	1:00 PM	2:00 PM	3:00 PM		
12:06 PM - 12:12 PM - 6 min					
	12:38 PM - 12:53 PM - 15 min				
		1:06 PM - 1:19 PM - 13 min			
			1:38 PM - 1:53 PM - 15 min		
				2:06 PM - 2:19 PM - 13 min	
					2:38 PM - 2:53 PM - 15 min

12:00 PM 1:00 PM 2:00 PM 3:00 PM

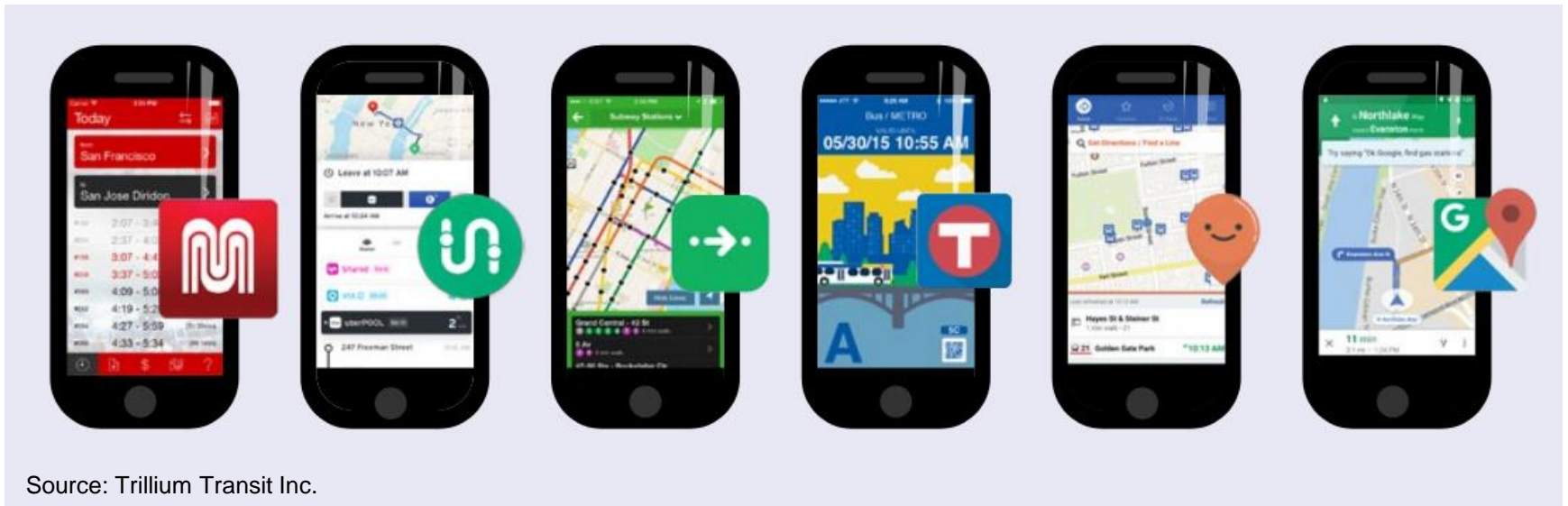
12:00 PM 1:00 PM 2:00 PM 3:00 PM

Geospatial Data



Interactive Map URL: drpt.maps.arcgis.com

Apps



Source: Trillium Transit Inc.

Project Applicability: Mobility Management

What is Mobility Management?

- An approach to designing and delivering transportation services that starts and ends with the customer
 - » *It begins with a community vision in which the entire transportation network—public transit, private operators, cycling and walking, volunteer drivers, and others—works together with customers, planners, and stakeholders to deliver the transportation options that best meet the community's needs.*
- Mobility management:
 - » *Encourages innovation and flexibility to reach the “right fit” solution for customers*
 - » *Plans for sustainability*
 - » *Strives for easy information and referral to assist customers in learning about and using services*
 - » *Continually incorporates customer feedback as services are evaluated and adjusted*

Virginia Association of Mobility Managers



VAmobility.org

Statewide Partnership

Mobility Managers across Virginia manage and implement coordinated transportation services for veterans, low-income individuals, older adults, persons with disabilities, and individuals with transportation needs.



Components of Mobility Management

One-Call Center

Volunteer Driver Programs

RideShare Programs

Voucher Programs

Travel Training

Veterans Transportation Assistance

Specialized Paratransit Transportation

GTFS and Mobility Management

- Increases efficiency in transit planning for seniors and individuals with disabilities in addition to more efficient technology
- Provides real-time data with Google Maps and a variety of transit options to help assist seniors and individuals with disabilities with transit options
- Provides a centralized and integrated center that will better position our statewide mobility management programs to meet the needs of our growing community and reach inaccessible communities in rural Virginia

GTFS and Mobility Management

- A centralized option to assist with possible collaborations with other transit services
- Will assist in identifying transit providers for possible partnership with Mobility Management programs
- Mobility Managers can use this tool to help overcome transit challenges when crossing areas or jurisdictions
- Empowers individuals to research Virginia's transit options

Questions?

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- » 804-489-4589 (cell)

Katherine Newman, Mobility Manager, Bay Transit

- » knewman@bayaging.org
- » 804-824-2543 or 804-445-5422 (cell)