Phil Dupler
Director of Planning

Vani Chitiprolu
Transit/GIS Data Coordinator



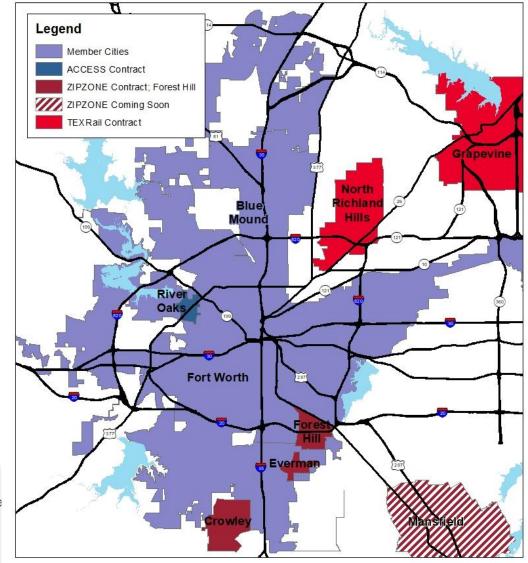
Fort Worth Area Public Transit

Serving the cities of Fort Worth, Forest Hill, Blue Mound, River Oaks, Everman and Crowley¹

Rail Stations only in North Richland Hills and Grapevine ²



^{2.} Grapevine has limited shuttle bus service primarily serving tourists & visitors but not operated by Trinity Metro





Seven Modes of Service

Fixed Route Bus Service -

142 buses on 37 routes serving ~13,973 trips/day





Seven Modes of Service

Trinity Railway Express (TRE) – 9 locomotives and 26 cars serving ~4,569 trips/day





Seven Modes of Service

TEXRail - 8 TEXRail Diesel Multiple Units (DMUs) serving ~2,048 trips/day





Seven Modes of Service

ACCESS - 38 paratransit vans and 50 contractor vehicles serving ~1,139 trips/day







Seven Modes of Service

Vanpool - 101 vans serving ~1,430 trips/day





Seven Modes of Service

ZIPZONE – 31 minivans serving 1,158 trips/day



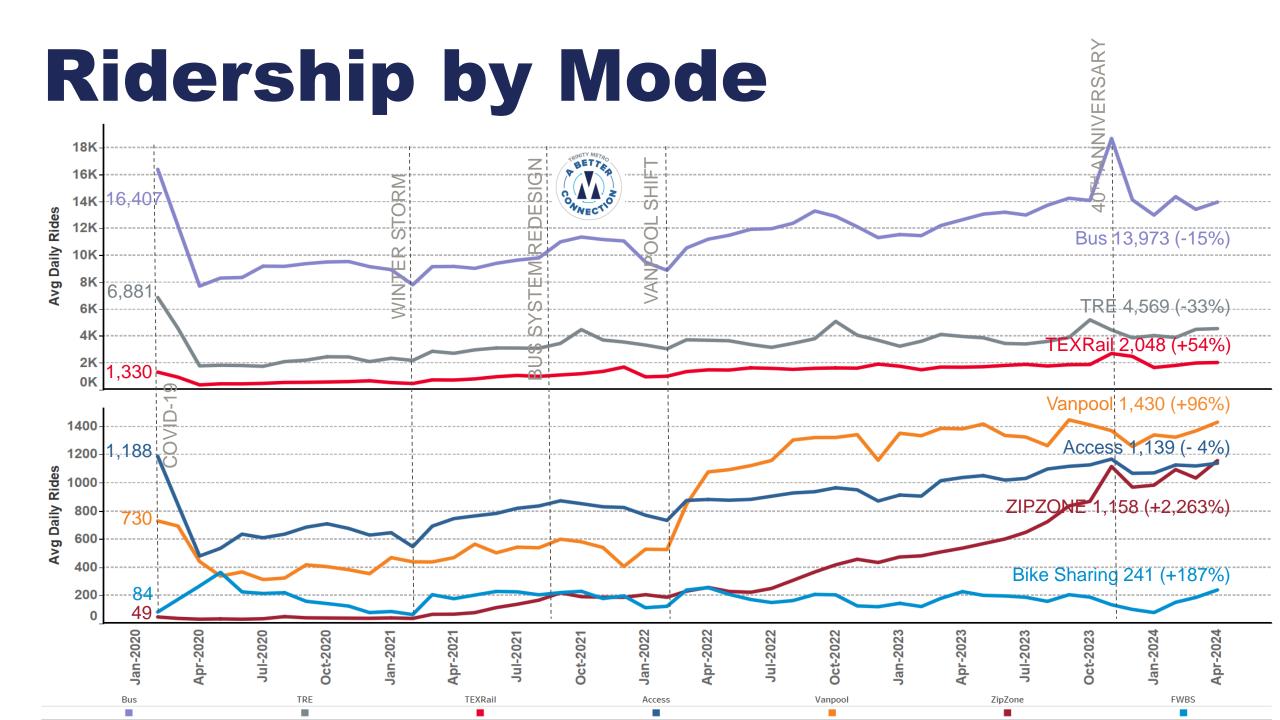


Seven Modes of Service

Fort Worth Bike Sharing – 370 bicycles and 62 stations serving ~241 trips/day







Planning Department

- Service Planning
 - New Routes/Changes to Existing Routes
 - Schedule/Timing Adjustments
- Infrastructure Planning
 - Add new Bus Stops/Remove old Bus Stops
 - Add/remove Benches, Shelters, Lighting, Signage, etc.
 - Concrete Pads, Sidewalks, Ramps, Accessibility
- Federal/State/Local Coordination
 - National Transit Database/Ridership
 - FTA Rules Compliance
 - City Traffic Control, Signals, Detours, Etc.
- Data Analysis (Big Data) & GIS



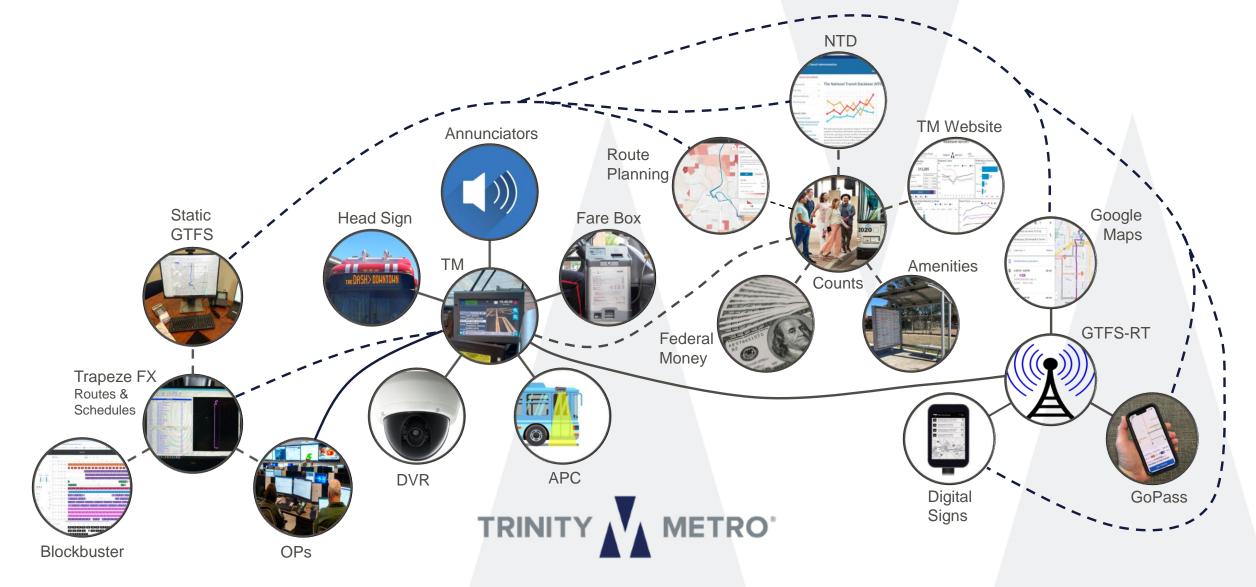
Public Meetings



Mobile Survey Bus



Big Data Connectivity



What is GTFS?



Where to find GTFS data for you region?

https://www.transit.dot.gov/funding/grant-programs/capital-investments/stops-general-transit-feed-specification-gtfs-data

https://gtfs.org/

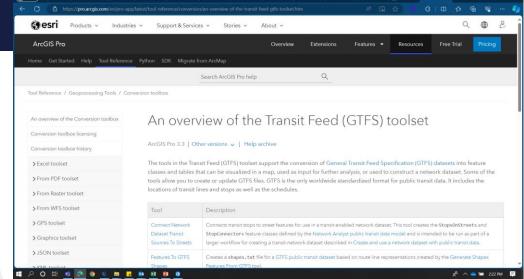
https://gtfs.org/schedule/reference/



Importing the static GTFS data into a feature dataset.

https://pro.arcgis.com/en/pro-app/latest/tool-reference/conversion/an-

overview-of-the-transit-feed-gtfs-toolset.htm





Sample GTFS dataset

Name			
agency.txt			
alendar.txt			
alendar_dates.txt			
DIRECTIONS.txt			
feed_info.txt			
routes.txt			
shapes.txt			
stop_times.txt			
stops.txt			
transfers.txt			
trips.txt			

Date modified	Туре
4/5/2024 11:53 AM	Text Document
3/26/2024 3:32 PM	Text Document
4/5/2024 11:34 AM	Text Document
4/2/2024 11:58 AM	Text Document
4/5/2024 11:35 AM	Text Document
4/5/2024 4:08 PM	Text Document
4/5/2024 11:53 AM	Text Document
5/3/2024 2:09 PM	Text Document
4/5/2024 12:08 PM	Text Document
2/13/2024 5:40 PM	Text Document
4/29/2024 10:26 AM	Text Document



List of files that can be included in a static GTFS feed





https://gtfs.org/schedule/reference/

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Reference

GTFS Schedule

Reference

Table of Contents

Document Conventions

Term

Definitions

Presence

Field Types

Field Signs

Dataset Attributes

Dataset Files

File

Requirements

Dataset Publishing & General Practices

Field Definitions

agency.txt

stops.txt

routes.txt

trips.txt

Example: Blocks and service day

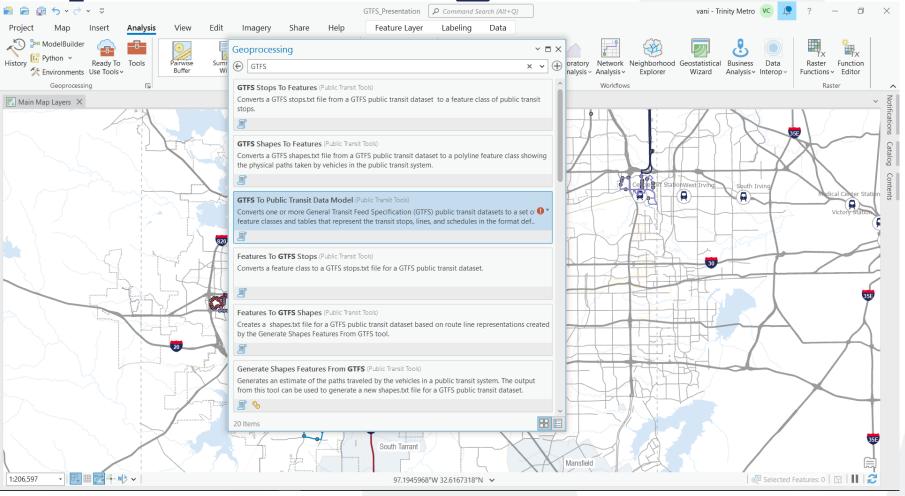
stop_times.txt

On-demand Service Routing

Behavior

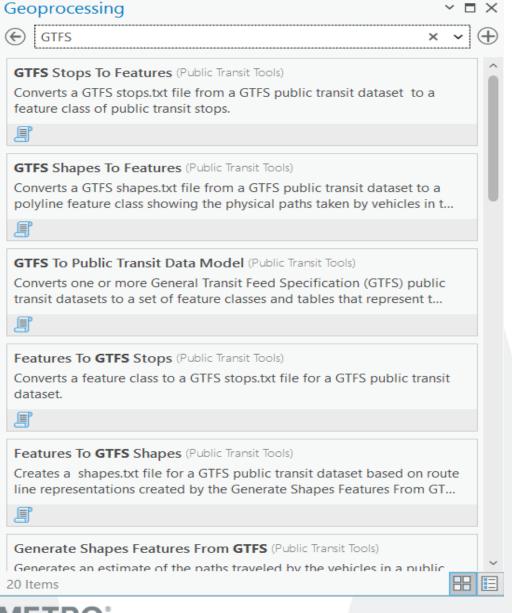
- agency.txt
- stops.txt
- routes.txt
- trips.txt
- stop_times.txt
- calendar.txt
- calendar dates.txt
- fare attributes.txt
- · fare rules.txt
- timeframes.txt
- fare media.txt
- fare_products.txt
- fare_leg_rules.txt
- fare transfer rules.txt
- areas.txt
- stop_areas.txt
- networks.txt
- route_networks.txt
- · shapes.txt
- frequencies.txt
- transfers.txt
- pathways.txt
- levels.txt
- location_groups.txt
- location_group_stops.txt
- · locations.geojson
- booking_rules.txt
- translations.txt
- feed info.txt
- · attributions.txt

Geo-processing tools for GTFS

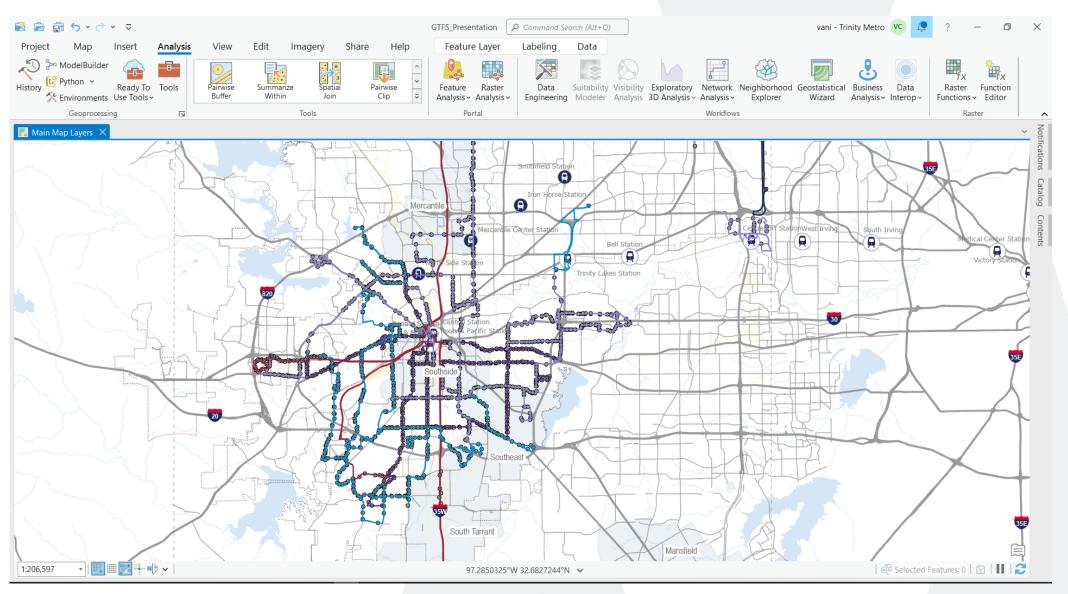




Geo processing tools for GTFS









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