

GTFS Editor
User Manual

User Administration and Access

In the context of NYSDOT's deployment of this application accounts for end-users are managed through the GTFS Data Manager application. The Data Manager accounts allow for direct access to editor on a per-agency basis, and as a result there's no need to create end-user accounts within GTFS Editor.

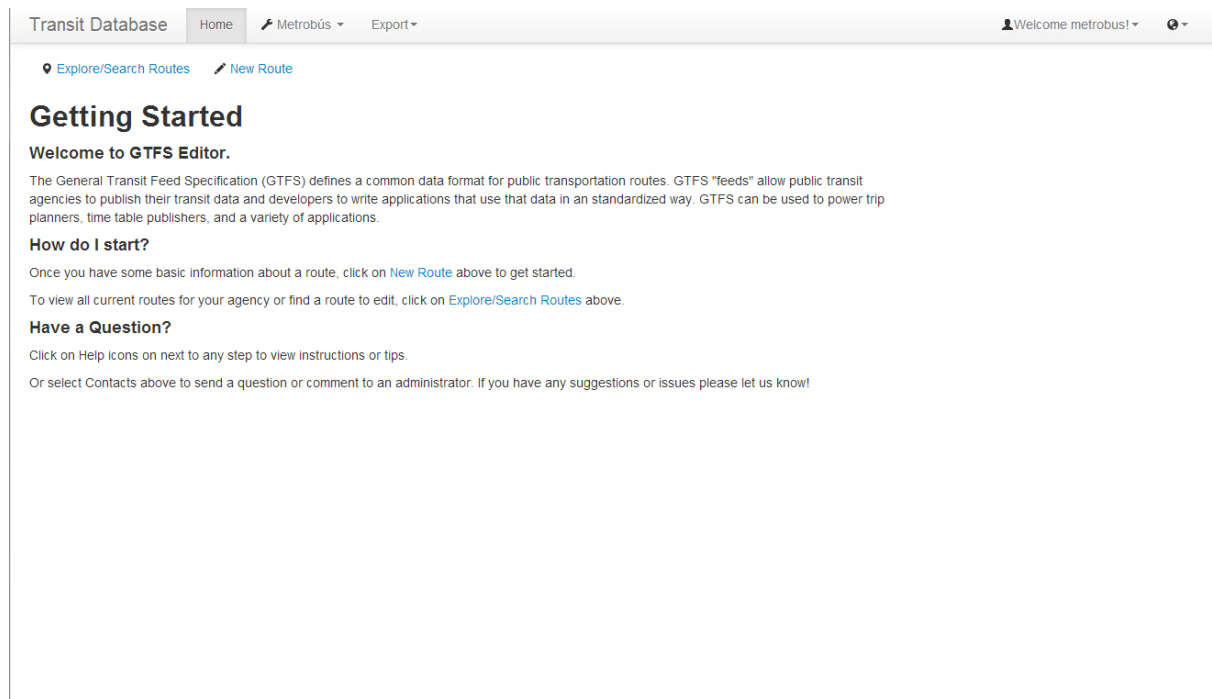
Toolbar on all Pages



Functions on the toolbar:

- **Home** – takes you to the home page
- **Route type selection** – Allows you to switch between route types (not relevant for all users)
- **Export** – export the data as GTFS, KML or Shapefile
- **Account** – logout
- **Language** – change language

Home Page



The home page provides an introduction to the software and gives the choice of two next steps:

- **Explore/Search Routes** – to view and edit existing route data
- **New Route** – for creating new routes, links through to the 'Basic Info' page

Explore/Search routes

Transit Database

Home

Metrobus

Export

Welcome metrobus

Explore/Search Routes

New Route

Routes for Metrobús

GTFS Id	Short Name	Long Name	Route Type	Description
ROUTE_13644	2	Metro Universidad-San Andrés Tollepec	Metrobús	
ROUTE_13127	Linea 1	Linea 1	Metrobús	
ROUTE_13002	Linea 4	Linea 4	Metrobús	
ROUTE_13666	Línea 5 (NORTE)	EJE 3 ORIENTE TRAMO NORTE	Metrobús	18 estaciones 10 kilometros 24 autobuses
ROUTE_13667	LINEA 5 SUR	EJE 3 ORIENTE	Metrobús	36 ESTACIONES, 18 KILOMETROS
ROUTE_13564	test	test	Metrobús	
ROUTE_13120	test	test	Metrobús	

This page displays all routes that have been previously entered. Clicking on one of the routes takes you through to the ‘Basic Info’ page for the selected route.

(1) Basic Info

Transit Database Home Metrobús Export Welcome metrobus!

1 Basic Info 2 Stops 3 Trip Patterns 4 Trips 5 Review

Short Name (Required)

Long Name (Required)

Type (Required) Metrobús (BUS_EXPRESS)

Description

URL

Color

Text Color

Comments

If you have arrived at this page by clicking 'New Route', the fields will be blank. If you have clicked through from 'Explore/Search Routes' some or all of the fields will be filled in.

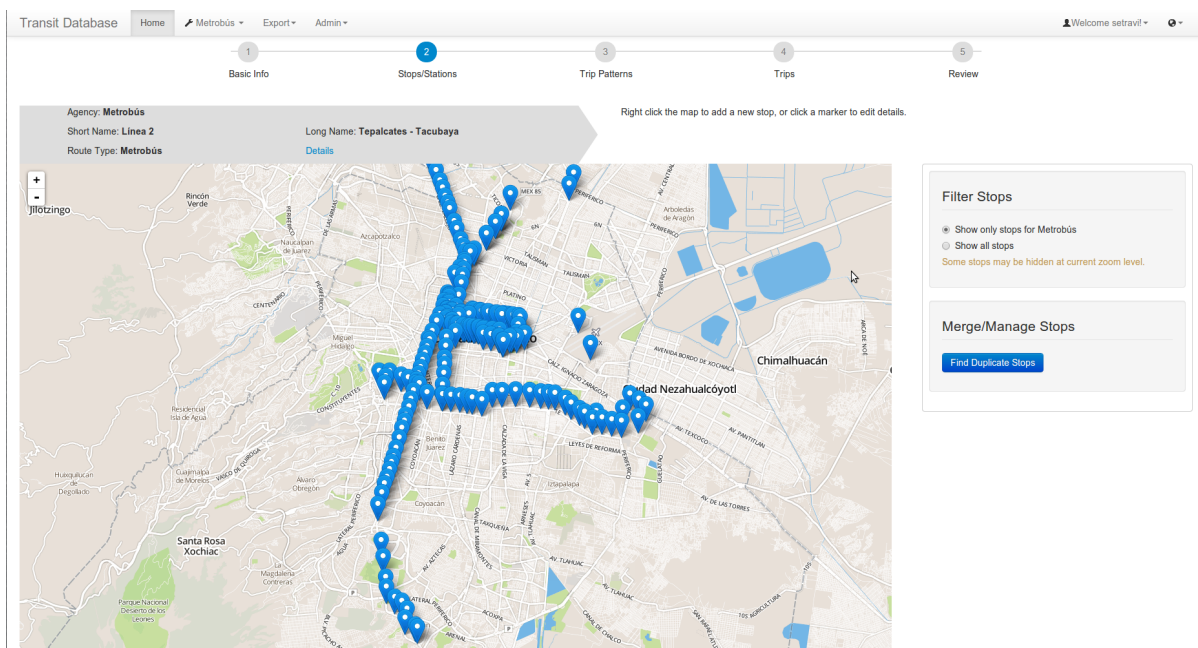
Some of the fields to be filled in are required before you can 'Save and Continue' and move to the next step, these are:

- Short name – name of the service/route, this may just be a number
- Long name – the full name of the route, often including the origin and destination
- **Route** Type – the type of vehicle/transport used on the route

Other fields in this section are optional and do not have to be filled in, these are:

- Description – a description of the route, do not simply repeat the information in 'Long name'
- URL – a link to a webpage with information on the specific route, such as the timetable
- Colour – if a route has a colour (for use in trip planners etc) it can be assigned here
- Text colour – if a route has a text colour (for use in trip planners etc) it can be assigned here
- Comments – any additional information about the route can be placed here

Once all the required fields, and any of the desired optional fields, are filled in click 'Save and continue'.



(2) Stops

This page uses a map base to allow you to add and edit stops/stations.

Adding a stop – to add a stop right click on the map on the location where you want the stop to be placed. A window will appear to allow you to enter the ‘Stop Details’.

Editing a stop – to edit an existing stops ‘Stop Details’ left click on the stop.

Stop Details – the following details can be added for each stop:

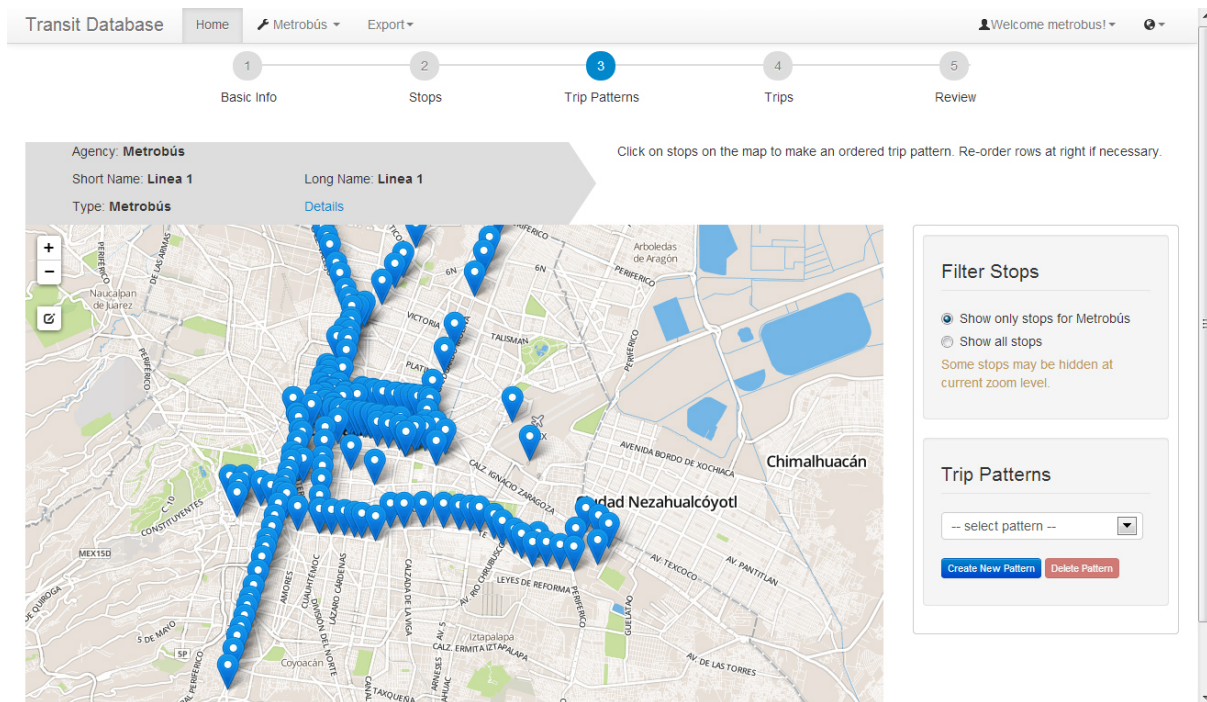
- Name – the name of the stop
- Other information – for any other details you may want to note down about the stop
- Major stop – this check box effects how the stops are displayed within the map viewer, Major stops will display at any zoom level, non-major stops will only display when zoomed in close enough (this is to stop the map getting too cluttered and hard to understand)

Moving a stop – to move a stop double click on it, the stop will turn yellow and you will be able to drag it to a new location.

Filter Stops – this allows you to switch between only showing stops for the logged in agency, or showing all stops within the entire transport network. Other agencies stops cannot be edited, only viewed.

Merge/Manage Stops – By clicking the ‘Find Duplicate Stops’ button all stops within 15 meters of each other will become highlighted as a group. After clicking on a highlighted group you will have the option to merge the stops.

(3) Trip patterns



This page uses a map base to allow you to add and edit 'Trip Patterns'.

Create New Pattern – to create a new pattern click this box and enter the following details:

- Name – the name of the trip pattern within the route, for example a service that runs the full length of the route or a service that only runs part the length of the route.
- Transitwand id (optional) – the trip pattern can be imported from a Transitwand route trace, if you have one enter the phone id here and click the 'Load from Transitwand' box.
- Add – once the details are entered click 'Add'

Select Trip Pattern – select either the new trip pattern you have just created, or a different one to begin editing it.

To start creating a new trip pattern (once you have selected it) left click on a stop to select it, and click 'Add'. There are two optional fields where you can add the following:

- Travel time – the time it took to get from the previous station (should be 00:00 on the first stop of the sequence)
- Dwell time – the time the vehicle rests at the stop

Keep selecting and adding stops in the sequence the route passes through them until the route is complete.

Delete Pattern – Deletes the current trip pattern.

Duplicate Pattern – Creates a duplicate of the pattern if you need to create a similar, but different trip pattern.

Create alignment from pattern – once you have finished adding stops to the route you can create an alignment by clicking this button. If the route doesn't follow the road network very accurately you can edit it by clicking on the 'Edit Layers' button on the top left of the map view. The route line will become dashed and can be edited by dragging the square handles. Once editing is finished click 'Save'.

If you realise you have missed a stop from the sequence it can be added in. With the correct trip pattern selected pick the stop you missed and 'Add' it. In the stop details box you can then adjust its 'Pattern Stop' number so that it sits in the correct place in the sequence.

Zoom to pattern extents – adjusts the map view to show the entire route you are editing

Clear pattern – removes stop sequence from pattern

Reverse Pattern – Reverses the order of stops within a pattern (use with 'Duplicate Pattern')

Timing – the average speed for the route can be used to calculate all the time gaps between stops in one go. Once the route alignment is drawn simply click 'Calculate Times' and the time between stops will automatically fill in.

Route trip-pattern dwell – Allows you to assign the same dwell time to all stops within a trip pattern.

(4) Trips

Transit Database

Home

Poughkeepsie Transit

Export

1

2

3

4

5

Basic Info

Stops/Stations

Trip Patterns

Schedules

Review

Agency: Poughkeepsie Transit

Short Name: GALLERIA

Long Name: MAIN: MARKET P - MAIN: MARKET P

Route Type: Bus

Details

Create a timetable service schedule by adding trips to patterns or by using a

Trip Pattern

(Required)

MAIN TO GALLERIA

Schedule Type

(Required)

Use Frequency

Use Timetable

Service Calendar

(Required)

MoTuWeThFr

Create Calendar

Modify Calendar

Edit timetable

This page allows you to assign ‘Trips’ to define when the service runs during the day and how often.

Trip Pattern – select which trip pattern you will be defining. Each Trip Pattern can define service as either a frequency-based or timetable-table based schedules.

Timetable Service

For timetable based service, select “Use Timetable” option bellow the trip pattern. If “Use Frequency” was previously selected any frequency-based schedules will be deleted when this option is selected.

Once selected you will be prompted select a service calendar that defines the days of week when a particular schedule applies (e.g. Mon-Fri, Sat, Sun).

For each Trip Patten and Service Calendar Combination you can then define a timetable showing trip arrival and departure times for each stop Click “Edit Timetable” to view and modify the timetable schedule. New trips can be added or duplicated from existing trips.

Using the timetable editor you can skip stops by entering a dash, or leave times as interpolated by entering a blank value.

Transit Database

Home

Poughkeepsie Transit

Export

Welcome Anonymous user!

Return to route view

Save changes

New trip

Sort schedule

Help

Trip ID	Block ID	Trip headsign	MAIN: MARKET P	EASTMAN APT (LITTL	HOOKER : MONTGOM	SOUTH HAMILTON & I	LIVINGSTON & ACADE	MANOR AT WOODSID	PRICE						
TRIP_1477096			8:30:00	8:30:00	8:34:00	8:34:00	8:36:00	8:36:00	8:39:00	8:39:00	8:40:00	8:40:00	8:41:00	8:41:00	8:45
TRIP_1477114			9:30:00	9:30:00	9:34:00	9:34:00	9:36:00	9:36:00	9:39:00	9:39:00	9:40:00	9:40:00	9:41:00	9:41:00	9:45
TRIP_1477123			10:30:00	10:30:00	10:34:00	10:34:00	10:36:00	10:36:00	10:39:00	10:39:00	10:40:00	10:40:00	10:41:00	10:41:00	10:45
TRIP_1477141			11:30:00	11:30:00	11:34:00	11:34:00	11:36:00	11:36:00	11:39:00	11:39:00	11:40:00	11:40:00	11:41:00	11:41:00	11:45
TRIP_1477105			12:30:00	12:30:00	12:34:00	12:34:00	12:36:00	12:36:00	12:39:00	12:39:00	12:40:00	12:40:00	12:41:00	12:41:00	12:45
TRIP_1477132			13:30:00	13:30:00	13:34:00	13:34:00	13:36:00	13:36:00	13:39:00	13:39:00	13:40:00	13:40:00	13:41:00	13:41:00	13:45
TRIP_1477150			14:30:00	14:30:00	14:34:00	14:34:00	14:36:00	14:36:00	14:39:00	14:39:00	14:40:00	14:40:00	14:41:00	14:41:00	14:45
TRIP_1477159			15:30:00	15:30:00	15:34:00	15:34:00	15:36:00	15:36:00	15:39:00	15:39:00	15:40:00	15:40:00	15:41:00	15:41:00	15:45

Frequency Service

Trip – A 'Trip Pattern' may have different frequencies for different periods of the day; use the 'Trip' option to create different frequencies for a single 'Trip Pattern'.

Create New Trip – Creates a new trip for editing, click 'Add' after entering the new trip name

Copy Existing Trip – Copies existing trip

Delete Trip – Deletes current trip

Trip description – use this to describe the 'Trip', for example which period of the day you are referring to, AM peak

Start time – the time the first service starts from

End time – the time the last service starts from

Service frequency – time gap between services

Service calendar – which days of the week this service runs on, this may need to be created by clicking 'Service Calendar' if your choice doesn't already exist.

(5) Review

The screenshot shows the 'Review' stage of a route configuration process. At the top, a navigation bar includes 'Transit Database', 'Home', a dropdown for 'Metro de la Ciudad de México', and 'Export' and 'Admin' links. Below this is a progress bar with five steps: '1 Basic Info', '2 Stops', '3 Trip Patterns', '4 Trips', and '5 Review' (the current step, highlighted in blue). The main content area has a grey header with route details: 'Agency: Metro de la Ciudad de México', 'Short Name: 12', 'Route Type: Metro', 'Long Name: Tlahuac -- Mixcoac', and a 'Details' link. To the right of this header is the instruction 'Review route and approve for publication.' Below the header, there is a 'Status' dropdown menu currently set to 'In-Progress', a 'Publicly Visible' checkbox which is unchecked, and a 'Comments' text area. At the bottom of the form is a blue 'Save' button.

This final page allows you to show if a route has been completely entered, and if it has whether it has been checked and approved for inclusion in the GTFS feed.

Status – There are three options:

- 'In-Progress', showing a route has not been completely entered.
- 'Pending Approval', a route has all the information entered and is awaiting a senior person to sign it off
- 'Approved', all the above stages have been completed.

Publicly visible – leave this box unchecked if you are entering a route that is not to be included in a GTFS output, or is in-progress.

Comments – place any comments about the route review or approval here.