

General Transit Feed Specification (GTFS)

A set of eight flat files. The compilation of files is used to provide schedule information. Individually, each file provides:

Agency - contains agency name and website link. **Calendar** - contains to / from dates for the current schedule. **Calendar Dates** - Lists dates when MDT routes operate in holiday schedule. **Routes** - Lists route names. **Shapes** - Contains information for route races. **Stop Times** - Contains a list of stops by routes, by trip, with their individual stop times. **Stops** - Lists stops with their individual latitude and longitude. **Trips** - Lists all trips by route with destination sign for each

http://www.miamidade.gov/transit/googletransit/current/google_transit.zip

Miami-Dade Transit XML Data Feeds

<ul style="list-style-type: none">• Buses• BusParkRide• BusRouteDirections• BusRoutes• BusRouteService• BusRouteShape• BusRouteShapesByRoute• BusRouteShapesByTrip• BusRouteStops• BusSchedules• BusStopRoutes• BusTracker• ConnectingRoutes• Facilities• HurricaneCenters• HurricaneEvacuationPoints• MoverMapShape• MoverMapShapeLoops	<ul style="list-style-type: none">• MoverStations• MoverTracker• MoverTrains• Nearby• PointsOfInterest• PointsOfInterestCategories• PointsOfInterestTransit• RiderAlerts• SalesOutlets• ServiceUpdates• TrainMapShape• TrainMapShapeLines• Trains• TrainSchedules• TrainStations• TrainTracker• Updated
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Buses

<http://www.miamidade.gov/transit/WebServices/Buses/?BusID=>

Listing of bus locations and assignments

Optional Variable:

- BusID
- BusName
- RouteID
- Dir

XML Result Values:

- BusID
 - BusName
 - Latitude
 - Longitude
 - RouteID
 - TripID
 - Direction
 - ServiceDirection
 - Service
 - ServiceName
 - TripHeadsign
 - LocationUpdated
-

BusParkRide

<http://www.miamidade.gov/transit/WebServices/BusParkRide/>

Listing of all Bus Park & Ride Locations

Optional Variable:

- ParkRideID

XML Result Values:

- ParkRideID
- ParkRideName
- Description
- Latitude
- Longitude
- svLatitude
- svLongitude
- svHeading

BusRouteDirections

<http://www.miamidade.gov/transit/WebServices/BusRouteDirections/?RouteID=>

Listing of Bus Route Directions

Optional Variable:

- RouteID

XML Result Values:

- RouteID
- DirectionID
- Direction

BusRoutes

<http://www.miamidade.gov/transit/WebServices/BusRoutes/?RouteID=>

Listing of all Bus Routes

Optional Variable:

- RouteID

XML Result Values:

- RouteID
- RouteShortName
- RouteAlias
- RouteAliasLong
- RouteStopAlias
- RouteDescription
- Bike
- Wheelchair
- Metrorail
- Airport
- SortOrder
- RouteColor

BusRouteService

<http://www.miamidade.gov/transit/WebServices/BusRouteService/?RouteID=>

Listing of Bus Route Service

Optional Variable:

- RouteID

XML Result Values:

- RouteID
- ServID
- ServiceID
- ServiceName
- ServiceOrder

BusRouteShape

<http://www.miamidade.gov/transit/WebServices/BusRouteShape/?ShapeID=>

Listing of Bus Route Shape Latitude and Longitude coordinates

Required Variable:

- ShapeID

XML Result Values:

- Latitude
 - Longitude
-

BusRouteShapesByRoute

<http://www.miamidade.gov/transit/WebServices/BusRouteShapesByRoute/?RouteID=&Dir=>

Listing of all Bus Route Shapes per route and service direction

Required Variables:

- RouteID
- Dir

XML Result Values:

- ShapeID
-

BusRouteShapesByTrip

<http://www.miamidade.gov/transit/WebServices/BusRouteShapesByTrip/?TripID=>

Returns the Bus Route ShapeID for a specific TripID

Required Variables:

- TripID

XML Result Values:

- ShapeID

BusRouteStops

<http://www.miamidade.gov/transit/WebServices/BusRouteStops/?RouteID=&Dir=>

Required Variables:

- RouteID
- Dir

Optional Variables:

- TripID
- Sequence

XML Result Values:

- StopID
 - StopName
 - Sequence
 - Latitude
 - Longitude
-

BusSchedules

<http://www.miamidade.gov/transit/WebServices/BusSchedules/?RouteID=&Service=&Dir=&StopID=&StopID2=&TripID=&Sequence=>

Lists all the scheduled times for the specified bus stop and route. If the optional variables are provided the travel time between the two stops is listed.

Required Variables:

- RouteID
- Service
- Dir
- StopID
- Sequence

Optional Variables:

- StopID2
- TripID

XML Result Values:

- SchedTime
- TripID
- Destination

BusStopRoutes

<http://www.miamidade.gov/transit/WebServices/BusStopRoutes/?StopID=>

Listing of all routes that services the bus stop

Required Variable:

- StopID

XML Result Values:

- RouteID
 - RouteName
-

BusTracker

<http://www.miamidade.gov/transit/WebServices/BusTracker/?RouteID=&Dir=&StopID=&Sequence=>

Returns Bus Tracker times for a particular stop

Required Variables:

- StopID

Optional Variables:

- RouteID
- Dir
- Sequence

XML Result Values:

- StopName
- RouteID
- Direction
- Time1
- Time1_Est
- Time1_Arrival
- Time1_Bus_ID
- Time1_Bus_Name
- Time1_Headsign
- Time2
- Time2_Est
- Time2_Arrival
- Time2_Bus_ID
- Time2_Bus_Name
- Time2_Headsign
- Time3
- Time3_Est
- Time3_Arrival
- Time3_Bus_ID
- Time3_Bus_Name
- Time3_Headsign

ConnectingRoutes

<http://www.miamidade.gov/transit/WebServices/ConnectingRoutes/?!ID=&type=>

Returns a listing of all connecting Routes with another Route, a Rail Station, a Mover Station, or a Bus Park and Ride Lot. (Rail and Mover are grouped together as they share some stations)

Required Variables:

- **Type** (bus, rail, mover or busparkride)

Optional Variables:

- **ID** (route/station ID/busparkride ID)

XML Result Values:

- ConnectingID
 - RouteID
-

Facilities

<http://www.miamidade.gov/transit/WebServices/Facilities/>

Returns a listing of all Elevators and Escalators that are currently Out of Service in on Metrorail and Metromover stations.

XML Result Values:

- ID
- LocationID
- LocationName
- Description
- Type
- Other
- Rail
- Mover
- DateUpdated
- DownDate

HurricaneCenters

<http://www.miamidade.gov/transit/WebServices/HurricaneCenters/?CenterID=>

Returns a listing of all Hurricane Centers

Optional Variables:

- CenterID

XML Result Values:

- CenterID
 - CenterName
 - Address
 - City
 - State
 - Zip
 - Zone
 - Latitude
 - Longitude
-

HurricaneEvacuationPoints

<http://www.miamidade.gov/transit/WebServices/HurricaneEvacuationPoints/?EvacID=>

Returns a listing of all Hurricane Evacuation Bus Pickup Locations.

Optional Variables:

- EvacID

XML Result Values:

- EvacID
- EvacName
- Address
- City
- State
- Zip
- Zone
- Latitude
- Longitude

MoverMapShape

<http://www.miamidade.gov/transit/WebServices/MoverMapShape/?LoopID=>

Listing of Metromover Map Shape Latitude and Longitude coordinates

Optional Variable:

- LoopID

XML Result Values:

- LoopID
 - OrderNum
 - Latitude
 - Longitude
-

MoverMapShapeLoops

<http://www.miamidade.gov/transit/WebServices/MoverMapShapeLoops/>

Returns the different Metromover Shape LoopIDs.

XML Result Values:

- LoopID

MoverStations

<http://www.miamidade.gov/transit/WebServices/MoverStations/?StationID=>

Returns a listing of Metromover Stations

Optional Variable:

- StationID

XML Result Values:

- StationID
- StationIDshow
- Station
- Address
- City
- State
- Zip
- ConnectingOther
- PlacesOfInterest
- Other
- Latitude
- Longitude
- svLatitude
- svLongitude
- svHeading

MoverTracker

<http://www.miamidade.gov/transit/WebServices/MoverTracker/?StationID=>

Returns Mover Tracker times for each station.

(If the ServiceTypeID is 1 then it is an out of service train)

Optional Variables:

- StationID

XML Result Values:

- StationID
- StationName
- firstLoopID
- firstLoopName
- firstDirection
- firstTime1
- firstTime1_Est
- firstTime1_Arrival
- firstTime1_Train
- firstTime1_ServiceTypeID
- firstTime2
- firstTime2_Est
- firstTime2_Arrival
- firstTime2_Train
- firstTime2_ServiceTypeID
- secondLoopID
- secondLoopName
- secondDirection
- secondTime1
- secondTime1_Est
- secondTime1_Arrival
- secondTime1_Train
- secondTime1_ServiceTypeID
- secondTime2
- secondTime2_Est
- secondTime2_Arrival
- secondTime2_Train
- secondTime2_ServiceTypeID
- thirdLoopID
- thirdLoopName
- thirdDirection
- thirdTime1
- thirdTime1_Est
- thirdTime1_Arrival

- thirdTime1_Train
- thirdTime1_ServiceTypeID
- thirdTime2
- thirdTime2_Est
- thirdTime2_Arrival
- thirdTime2_Train
- thirdTime2_ServiceTypeID
- forthLoopID
- forthLoopName
- forthDirection
- forthTime1
- forthTime1_Est
- forthTime1_Arrival
- forthTime1_Train
- forthTime1_ServiceTypeID
- forthTime2
- forthTime2_Est
- forthTime2_Arrival
- forthTime2_Train
- forthTime2_ServiceTypeID

MoverTrains

<http://www.miamidade.gov/transit/WebServices/MoverTrains/?TrainID=>

Returns listing of all active Metromover trains.

Optional Variable:

- TrainID

XML Result Values:

- TrainID
- Cars
- Latitude
- Longitude
- Direction
- ServiceDirection
- Service
- LoopID
- LoopName
- LocationUpdated

Nearby

<http://www.miamidade.gov/transit/WebServices/Nearby/?Lat=&Long=>

Returns listing of nearest stops and or station to a specific Latitude and Longitude.

Required Variable:

- Lat
- Long

Optional Variables:

- Type (Bus, Mover, or Rail)

XML Result Values:

- NearbyID
- NearbyName
- NearbyType
- Address
- Address2
- Descr
- Distance
- Latitude
- Longitude

PointsOfInterest

<http://www.miamidade.gov/transit/WebServices/PointsOfInterest/?PointID=>

Returns a list of Points of interest around Miami-Dade County that are accessible via Transit.

Optional Variable:

- PointID
- CategoryID

XML Result Values:

- PointID
- CategoryID
- CategoryName
- PointName
- Address
- State
- Zip
- Latitude
- Longitude
- svLatitude
- svLongitude
- svHeading

PointsOfInterestCategories

<http://www.miamidade.gov/transit/WebServices/PointsOfInterestCategories/>

Returns a list of Points of interest Categories.

XML Result Values:

- CategoryID
- CategoryName
- OrderNum

PointsOfInterestTransit

<http://www.miamidade.gov/transit/WebServices/PointsOfInterestTransit/?PointID=>

Returns listing of modes of transportation available from this Point of Interest.

Required Variable:

- PointID

XML Result Values:

- TransitID
 - TransitName
 - TransitMode
-

RiderAlerts

<http://www.miamidade.gov/transit/WebServices/RiderAlerts/>

Returns a listing of all currently active Rider Alerts

XML Result Values:

- MessageID
- Message
- MessageStamp
- TypeID
- Type

SalesOutlets

<http://www.miamidade.gov/transit/WebServices/SalesOutlets/?OutletID=>

Returns a listing of all Sales Outlets where Easy Cards can be bought/reloaded.
(if SalesParking is a 1 then this location has the ability to buy monthly parking.)

Optional Variable:

- OutletID

XML Result Values:

- OutletID
 - OutletName
 - Address
 - State
 - Zip
 - Location
 - SalesParking
 - Longitude
 - Longitude
-

ServiceUpdates

<http://www.miamidade.gov/transit/WebServices/ServiceUpdates/>

Listing of all current Service Updates in our system.

Optional Variable:

- ServiceUpdateID
- Type (Bus, Mover, or Rail)

XML Result Values:

- ServiceUpdateID
- InEffect
- ServiceUpdateType
- ServiceUpdateTypeID
- Title
- ServiceUpdate

TrainMapShape

<http://www.miamidade.gov/transit/WebServices/TrainMapShape/?LineID=>

Listing of Metrorail Map Shape Latitude and Longitude coordinates

Optional Variable:

- LineID

XML Result Values:

- LineID
- OrderNum
- Latitude
- Longitude

TrainMapShapeLines

<http://www.miamidade.gov/transit/WebServices/TrainMapShapeLines/>

Returns the different Metrorail Shape LineIDs.

XML Result Values:

- LineID

Trains

<http://www.miamidade.gov/transit/WebServices/Trains/?TrainID=>

Returns listing of all active Metrorail trains.

Optional Variable:

- TrainID

XML Result Values:

- TrainID
- LineID
- Cars
- Latitude
- Longitude
- Direction
- ServiceDirection
- Service
- LocationUpdated

TrainSchedules

<http://www.miamidade.gov/transit/WebServices/TrainSchedules/?StationID=&StationID2=&Dir=&Service=&TripID=>

Lists all the scheduled times for the specified station. If the optional variables are provided the travel time between the two stations is listed.

Required Variable:

- StationID
- Dir (northbound, southbound)

Optional Variables:

- Service (Today, Weekday, Saturday, Sunday) (if left blank will use Today's)
- StationID2
- TripID

XML Result Values:

- SchedTime
- TripID
- Destination

TrainStations

<http://www.miamidade.gov/transit/WebServices/TrainStations/?StationID=>

Listing of all Metrorail Stations.

Optional Variable:

- StationID

XML Result Values:

- StationID
- StationIDshow
- Station
- SB_OrderNum
- NB_OrderNum
- Address
- City
- State
- Zip
- Parking
- ConnectingOther
- PlacesOfInterest
- Other
- Airport
- TriRail
- LongTermParking
- Latitude
- Longitude
- svLatitude
- svLongitude
- svHeading

TrainTracker

<http://www.miamidade.gov/transit/WebServices/TrainTracker/?StationID=>

Returns Mover Tracker times for each station.

Optional Variable:

- StationID

XML Result Values:

- StationName
- StationID
- NB_Time1
- NB_Time1_Est
- NB_Time1_Arrival
- NB_Time1_Train
- NB_Time1_LineID
- NB_Time2
- NB_Time2_Est
- NB_Time2_Arrival
- NB_Time2_Train
- NB_Time2_LineID
- NB_Time3
- NB_Time3_Est
- NB_Time3_Arrival
- NB_Time3_Train
- NB_Time3_LineID
- SB_Time1
- SB_Time1_Est
- SB_Time1_Arrival
- SB_Time1_Train
- SB_Time1_LineID
- SB_Time2
- SB_Time2_Est
- SB_Time2_Arrival
- SB_Time2_Train
- SB_Time2_LineID
- SB_Time3
- SB_Time3_Est
- SB_Time3_Arrival
- SB_Time3_Train
- SB_Time3_LineID

Updated

<http://www.miamidade.gov/transit/WebServices/Updated/?UpdateType=>

Returns a listing of when static listings have been updated.

Optional Variable:

- UpdateType

XML Result Values:

- UpdateType
- DateUpdated