myAvail RTPI REST EndPoints

Anytime you see “*hostedlocation”* specified in a URL it should be replaced with the location where your version of myAvail Passenger Information is currently being hosted. By simply copying and pasting the URLs into a web browser you can invoke the REST endpoints and result sets will be returned if data exists. If no data exists an empty result set will be returned. Either JSON or XML will be returned based on the content type requested. The examples below show JSON result sets.

**Public Messages**

Get CURRENT Public Messages

Returns messages that are currently set as published, where the current date is within the message’s FromDate and ToDate, and the current time is within the message’s FromTime and ToTime, and the current day is checked in the message’s DaysOfWeek setting):

http://emta.availtec.com/InfoPoint/rest/PublicMessages/GetCurrentMessages

Below is an example of the Json result set returned from the URL. The example only contains a single message. There can be “N” number of active messages at one time.

[{"DaysOfWeek":127,"FromDate":"\/Date(1374552000000-0400)\/","FromTime":"\/Date(1374552000000-0400)\/","Message":"This is a test message","MessageId":27,"Priority":2,"PublicAccess":1,"Published":true,"Routes":[],"ToDate":"\/Date(1374811200000-0400)\/","ToTime":"\/Date(1374638399000-0400)\/"}]

|  |  |
| --- | --- |
| **Field** | **Description** |
| DaysOfWeek | Hash Code for the Days of the Week that the message is to be displayed |
| FromDate | The start date that the message is to be displayed |
| FromTime | The start time that the message is to be displayed |
| Message | The message text to display |
| MessageId | One up number each time a message is created |
| Priority | Message Priority (1=High, 2=Medium, 3=Low) |
| PublicAccess | 1 = to be displayed on myAvail Passenger Information |
| Published | True is the message is active |
| Routes | List of Routes that the message was created for. Blank if not route specific |
| ToDate | The end date that the message expires |
| ToTime | The end time that the message expires |

**Routes**

Get VISIBLE Routes:

Returns a Json result set of all of the routes that are visible on myAvail Passenger Information.

http://emta.availtec.com/InfoPoint/rest/routes/getvisibleroutes

Below is an example of the result set returned from the URL. There may be “N” number of routes returned in the result set.

[{"Color":"00A4D3","Directions":null,"Group":null,"IsHeadway":false,"IsVisible":true,"IvrDescription":"Crosstown","LongName":"Crosstown","RouteAbbreviation":"Ctown","RouteId":1,"RouteStops":null,"RouteTraceFilename":"Crosstown.kml","RouteTraceHash64":null,"ShortName":"Crosstown","SortOrder":1,"Stops":null,"TextColor":"FF5B2C","Vehicles":null]

|  |  |
| --- | --- |
| **Field** | **Description** |
| Color | Route KML Color. Used to color the KML file that is loaded for the route. |
| Directions | Null not used |
| Group | Null not used |
| IsHeadway | True= route is headway, False = non headway |
| IsVisible | True= shown on myAvail, False if not shown on myAvail |
| IvrDescription | IVR text description |
| LongName | Route text long name |
| RouteAbbreviation | Route text abbreviation |
| RouteId | Numeric Route Id |
| RouteStops | Null not used |
| RouteTraceFilename | Name of the KML file to display |
| RouteTraceHash64 | Null not used |
| ShortName | Route text short name |
| SortOrder | Display order on myAvail Passenger Information |
| Stops | Null not used |
| TextColor | Color for Route text display |
| Vehicles | Null not used |

[Get Route b](http://availtids.falafel.com/rest/routes)y Route ID:

http://emta.availtec.com/[InfoPoint/](http://availtids.falafel.com/rest/staticdata/getallstaticdata)[rest/routes/get/*”routeId”*](http://availtids.falafel.com/InfoPoint/rest/routes/get/1)

Same as the above “GetVisibleRoutes” except the result set only returns the data for the route specified. The “routeId” in the URL should be replaced with the numeric route id.

**RouteDetails**

Get ALL details for ALL Routes (stops, routestops, directions, vehicles):

http://emta.availtec.com/InfoPoint/rest/routedetails/getallroutedetails

Below is an example of the Json result set for one of the routes. The getallroutedetails will return “N” number of routes in the result set. This data contains all of the stops for a route by direction along with the vehicles that are currently on the route.

{"Color":"D40064","Directions":[{"Dir":"O","DirectionDesc":null,"DirectionIconFileName":null},{"Dir":"I","DirectionDesc":null,"DirectionIconFileName":null}],"Group":null,"IsHeadway":false,"IsVisible":true,"IvrDescription":"Plank Road","LongName":"Plank Road","RouteAbbreviation":"Plank","RouteId":4,"RouteStops":[{"Direction":"O","RouteId":4,"SortOrder":13,"StopId":1},{"Direction":"I","RouteId":4,"SortOrder":39,"StopId":1},{"Direction":"O","RouteId":4,"SortOrder":14,"StopId":2},{"Direction":"I","RouteId":4,"SortOrder":40,"StopId":2},{"Direction":"I","RouteId":4,"SortOrder":41,"StopId":3},{"Direction":"I","RouteId":4,"SortOrder":42,"StopId":4},{"Direction":"O","RouteId":4,"SortOrder":1,"StopId":29},{"Direction":"I","RouteId":4,"SortOrder":60,"StopId":29},{"Direction":"O","RouteId":4,"SortOrder":27,"StopId":57},{"Direction":"O","RouteId":4,"SortOrder":28,"StopId":58},{"Direction":"I","RouteId":4,"SortOrder":29,"StopId":58},{"Direction":"O","RouteId":4,"SortOrder":2,"StopId":74},{"Direction":"O","RouteId":4,"SortOrder":3,"StopId":75},{"Direction":"O","RouteId":4,"SortOrder":4,"StopId":76},{"Direction":"O","RouteId":4,"SortOrder":5,"StopId":105},{"Direction":"I","RouteId":4,"SortOrder":32,"StopId":125},{"Direction":"I","RouteId":4,"SortOrder":33,"StopId":127},{"Direction":"I","RouteId":4,"SortOrder":34,"StopId":128},{"Direction":"I","RouteId":4,"SortOrder":35,"StopId":129},{"Direction":"I","RouteId":4,"SortOrder":36,"StopId":130},{"Direction":"I","RouteId":4,"SortOrder":37,"StopId":131},{"Direction":"I","RouteId":4,"SortOrder":38,"StopId":132},{"Direction":"I","RouteId":4,"SortOrder":43,"StopId":133},{"Direction":"I","RouteId":4,"SortOrder":44,"StopId":134},{"Direction":"I","RouteId":4,"SortOrder":45,"StopId":135},{"Direction":"I","RouteId":4,"SortOrder":46,"StopId":137},{"Direction":"I","RouteId":4,"SortOrder":54,"StopId":145},{"Direction":"I","RouteId":4,"SortOrder":55,"StopId":146},{"Direction":"I","RouteId":4,"SortOrder":56,"StopId":147},{"Direction":"I","RouteId":4,"SortOrder":50,"StopId":228},{"Direction":"I","RouteId":4,"SortOrder":51,"StopId":229},{"Direction":"I","RouteId":4,"SortOrder":52,"StopId":230},{"Direction":"I","RouteId":4,"SortOrder":53,"StopId":231},{"Direction":"I","RouteId":4,"SortOrder":57,"StopId":241},{"Direction":"O","RouteId":4,"SortOrder":6,"StopId":244},{"Direction":"O","RouteId":4,"SortOrder":7,"StopId":245},{"Direction":"O","RouteId":4,"SortOrder":8,"StopId":246},{"Direction":"O","RouteId":4,"SortOrder":9,"StopId":247},{"Direction":"O","RouteId":4,"SortOrder":10,"StopId":248},{"Direction":"O","RouteId":4,"SortOrder":11,"StopId":249},{"Direction":"O","RouteId":4,"SortOrder":12,"StopId":250},{"Direction":"O","RouteId":4,"SortOrder":15,"StopId":251},{"Direction":"O","RouteId":4,"SortOrder":16,"StopId":252},{"Direction":"O","RouteId":4,"SortOrder":17,"StopId":253},{"Direction":"O","RouteId":4,"SortOrder":18,"StopId":254},{"Direction":"O","RouteId":4,"SortOrder":19,"StopId":255},{"Direction":"O","RouteId":4,"SortOrder":20,"StopId":256},{"Direction":"O","RouteId":4,"SortOrder":21,"StopId":257},{"Direction":"O","RouteId":4,"SortOrder":22,"StopId":258},{"Direction":"O","RouteId":4,"SortOrder":23,"StopId":259},{"Direction":"O","RouteId":4,"SortOrder":25,"StopId":261},{"Direction":"I","RouteId":4,"SortOrder":30,"StopId":262},{"Direction":"I","RouteId":4,"SortOrder":48,"StopId":310},{"Direction":"I","RouteId":4,"SortOrder":49,"StopId":311},{"Direction":"O","RouteId":4,"SortOrder":26,"StopId":368},{"Direction":"I","RouteId":4,"SortOrder":47,"StopId":410},{"Direction":"I","RouteId":4,"SortOrder":58,"StopId":415},{"Direction":"I","RouteId":4,"SortOrder":59,"StopId":416},{"Direction":"O","RouteId":4,"SortOrder":24,"StopId":417},{"Direction":"I","RouteId":4,"SortOrder":31,"StopId":417}],"RouteTraceFilename":"PlankRoad.kml","RouteTraceHash64":null,"ShortName":"Plank Road","SortOrder":5,"Stops":[{"Description":"Transit Center","IsTimePoint":true,"Latitude":40.514026,"Longitude":-78.402403,"Name":"Transit Center","StopId":29},{"Description":"17th St and Margaret Ave outbound","IsTimePoint":false,"Latitude":40.5107327,"Longitude":-78.4041808,"Name":"17th St & Margaret Ave O","StopId":74},{"Description":"Shelter 17th St and 9th Ave outbound","IsTimePoint":false,"Latitude":40.50984624,"Longitude":-78.40296493,"Name":"Shelter 17th St & 9th Ave O","StopId":75},{"Description":"17th St and 8th Ave outbound","IsTimePoint":false,"Latitude":40.50919601,"Longitude":-78.40202313,"Name":"17th St & 8th Ave O","StopId":76},{"Description":"7th Ave & 19th St","IsTimePoint":false,"Latitude":40.50725015,"Longitude":-78.40224782,"Name":"7th Ave & 19th St","StopId":105},{"Description":"7th Ave & 22nd St","IsTimePoint":false,"Latitude":40.50455596,"Longitude":-78.40464062,"Name":"7th Ave & 22nd St","StopId":244},{"Description":"7th Ave & 24th St","IsTimePoint":false,"Latitude":40.50298225,"Longitude":-78.4060441,"Name":"7th Ave & 24th St","StopId":245},{"Description":"7th Ave & Union Ave","IsTimePoint":false,"Latitude":40.50209642,"Longitude":-78.40684927,"Name":"7th Ave & Union Ave","StopId":246},{"Description":"Altoona Health System 7th Ave Campus","IsTimePoint":false,"Latitude":40.50111376,"Longitude":-78.40774414,"Name":"Altoona Health System 7th Ave Campus","StopId":247},{"Description":"7th Ave & 27th St","IsTimePoint":false,"Latitude":40.49984968,"Longitude":-78.40883285,"Name":"7th Ave & 27th St","StopId":248},{"Description":"7th Ave & 30th St","IsTimePoint":false,"Latitude":40.497153,"Longitude":-78.41123936,"Name":"7th Ave & 30th St","StopId":249},{"Description":"7th Ave & 31st St","IsTimePoint":false,"Latitude":40.4955034,"Longitude":-78.41168174,"Name":"7th Ave & 31st St","StopId":250},{"Description":"5th Ave & AMTRAN","IsTimePoint":true,"Latitude":40.492733,"Longitude":-78.41137099,"Name":"5th Ave & AMTRAN","StopId":1},{"Description":"5th Ave & 31St","IsTimePoint":false,"Latitude":40.49467152,"Longitude":-78.41065838,"Name":"5th Ave & 31St","StopId":2},{"Description":"Logan Blvd and 5th Ave outbound","IsTimePoint":false,"Latitude":40.48965475,"Longitude":-78.41278105,"Name":"Logan Blvd & 5th Ave O","StopId":251},{"Description":"Logan Blvd and Oneida Ave","IsTimePoint":false,"Latitude":40.48776616,"Longitude":-78.40923325,"Name":"Logan Blvd & Oneida Ave O","StopId":252},{"Description":"Logan Blvd and Landis EB","IsTimePoint":false,"Latitude":40.4864828,"Longitude":-78.40848664,"Name":"Logan Blvd & Landis O","StopId":253},{"Description":"Logan Blvd and Holmes EB","IsTimePoint":false,"Latitude":40.48449821,"Longitude":-78.40736024,"Name":"Logan Blvd & Holmes O","StopId":254},{"Description":"Logan Blvd and Whittier EB","IsTimePoint":false,"Latitude":40.48266413,"Longitude":-78.40630254,"Name":"Logan Blvd & Whittier O","StopId":255},{"Description":"Logan Blvd and Browning EB","IsTimePoint":false,"Latitude":40.48098826,"Longitude":-78.40534872,"Name":"Logan Blvd & Browning O","StopId":256},{"Description":"Logan Blvd and Milton Ave EB","IsTimePoint":false,"Latitude":40.47977617,"Longitude":-78.40466108,"Name":"Logan Blvd & Milton Ave O","StopId":257},{"Description":"Logan Blvd and W Southey Ave","IsTimePoint":false,"Latitude":40.478346,"Longitude":-78.403826,"Name":"Logan Blvd & W Southey Ave O","StopId":258},{"Description":"Plank Rd & Burger King","IsTimePoint":false,"Latitude":40.47518628,"Longitude":-78.40513516,"Name":"Plank Rd & Burger King","StopId":259},{"Description":"Martins W Plank Rd","IsTimePoint":true,"Latitude":40.474377,"Longitude":-78.404214,"Name":"Martins W Plank Rd","StopId":417},{"Description":"Plank Rd & Morningside Plaza","IsTimePoint":false,"Latitude":40.47289761,"Longitude":-78.40618334,"Name":"Plank Rd & Morningside Plaza","StopId":261},{"Description":"K Mart","IsTimePoint":false,"Latitude":40.47158878,"Longitude":-78.40826377,"Name":"K Mart","StopId":368},{"Description":"Sears","IsTimePoint":false,"Latitude":40.46957392,"Longitude":-78.40833269,"Name":"Sears","StopId":57},{"Description":"Transit Center LVM","IsTimePoint":true,"Latitude":40.469238,"Longitude":-78.409569,"Name":"Transit Center LVM","StopId":58},{"Description":"Plank Rd & Ponderosa","IsTimePoint":false,"Latitude":40.47241176,"Longitude":-78.40647234,"Name":"Plank Rd & Ponderosa","StopId":262},{"Description":"Logan Blvd and Plank Rd Inbound","IsTimePoint":false,"Latitude":40.47895643,"Longitude":-78.40387051,"Name":"Logan Blvd & Plank Rd I","StopId":125},{"Description":"Logan Blvd and Browning WB","IsTimePoint":false,"Latitude":40.48091885,"Longitude":-78.40497213,"Name":"Logan Blvd & Browning I","StopId":127},{"Description":"Logan Blvd and Whittier WB","IsTimePoint":false,"Latitude":40.48248675,"Longitude":-78.40588448,"Name":"Logan Blvd & Whittier I","StopId":128},{"Description":"Logan Blvd and Holmes WB","IsTimePoint":false,"Latitude":40.4843142,"Longitude":-78.40693211,"Name":"Logan Blvd & Holmes I","StopId":129},{"Description":"Logan Blvd and Ward Ave WB","IsTimePoint":false,"Latitude":40.48556417,"Longitude":-78.40764417,"Name":"Logan Blvd & Ward Ave I","StopId":130},{"Description":"Logan Blvd and Baker Blvd","IsTimePoint":false,"Latitude":40.48810061,"Longitude":-78.4091088,"Name":"Logan Blvd & Baker Blvd I","StopId":131},{"Description":"Logan Blvd and 5th Ave Westbound","IsTimePoint":false,"Latitude":40.48969559,"Longitude":-78.41224783,"Name":"Logan Blvd & 5th Ave I","StopId":132},{"Description":"6th Ave and 30th St","IsTimePoint":false,"Latitude":40.496155,"Longitude":-78.410681,"Name":"6th Ave & 30th St","StopId":3},{"Description":"6th Ave & 28th St","IsTimePoint":false,"Latitude":40.49812538,"Longitude":-78.4090061,"Name":"6th Ave & 28th St","StopId":4},{"Description":"6th Ave & 26th St","IsTimePoint":false,"Latitude":40.50013553,"Longitude":-78.40715605,"Name":"6th Ave & 26th St","StopId":133},{"Description":"6th Ave and 24th St","IsTimePoint":false,"Latitude":40.502158,"Longitude":-78.405268,"Name":"6th Ave & 24th St","StopId":134},{"Description":"6th Ave & 22th St","IsTimePoint":false,"Latitude":40.50374567,"Longitude":-78.40394339,"Name":"6th Ave & 22th St","StopId":135},{"Description":"6th Ave & 19th St","IsTimePoint":false,"Latitude":40.50642173,"Longitude":-78.40152545,"Name":"6th Ave & 19th St","StopId":137},{"Description":"Shelter 17th St and 7th Ave Inbound","IsTimePoint":false,"Latitude":40.508445,"Longitude":-78.400521,"Name":"Shelter 17th St & 7th Ave","StopId":410},{"Description":"17th St & 8th Ave inbound","IsTimePoint":false,"Latitude":40.50912652,"Longitude":-78.40154873,"Name":"17th St & 8th Ave","StopId":310},{"Description":"17th St & 9th Ave inbound","IsTimePoint":false,"Latitude":40.50972078,"Longitude":-78.4023478,"Name":"17th St & 9th Ave","StopId":311},{"Description":"Shelter 17th St and Margaret Ave","IsTimePoint":false,"Latitude":40.5112552,"Longitude":-78.40447643,"Name":"Shelter 17th St & Margaret Ave I","StopId":228},{"Description":"17th St and 12th Ave","IsTimePoint":false,"Latitude":40.513269,"Longitude":-78.406862,"Name":"17th St & 12th Ave","StopId":229},{"Description":"12th Ave and 16th St","IsTimePoint":false,"Latitude":40.513587,"Longitude":-78.406385,"Name":"12th Ave & 16th St","StopId":230},{"Description":"12th Ave and 15th St","IsTimePoint":false,"Latitude":40.514038,"Longitude":-78.405645,"Name":"12th Ave & 15th St","StopId":231},{"Description":"12th Ave & 14th St","IsTimePoint":false,"Latitude":40.51483871,"Longitude":-78.40420211,"Name":"12th Ave & 14th St","StopId":145},{"Description":"12th Ave and MandT Bank","IsTimePoint":false,"Latitude":40.516643,"Longitude":-78.40084,"Name":"12th Ave & M&T Bank","StopId":146},{"Description":"Chestnut Ave & 10th St","IsTimePoint":false,"Latitude":40.51793755,"Longitude":-78.39957446,"Name":"Chestnut Ave & 10th St","StopId":147},{"Description":"10th St & Green Ave","IsTimePoint":false,"Latitude":40.51750553,"Longitude":-78.39890657,"Name":"10th St & Green Ave","StopId":241},{"Description":"Green Ave and 11th St","IsTimePoint":false,"Latitude":40.51677,"Longitude":-78.399712,"Name":"Green Ave & 11 St","StopId":415},{"Description":"12th St and 11th Ave","IsTimePoint":false,"Latitude":40.51572,"Longitude":-78.400913,"Name":"12th St & 11th Ave","StopId":416}],"TextColor":"2BFF9B","Vehicles":[{"BlockFareboxId":14,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"O","DirectionLong":"Outbound","DisplayStatus":"ON TIME","DriverName":"Holland","GPSStatus":2,"Heading":188,"LastStop":"7th Ave & 24th St","LastUpdated":"\/Date(1374592057000-0400)\/","Latitude":40.494944,"Longitude":-78.411758,"Name":"702","OnBoard":10,"OpStatus":"ONTIME","RouteId":4,"RunId":6,"Speed":20,"TripId":1100,"VehicleId":702}]}

|  |  |
| --- | --- |
| **Field** | **Description** |
| Color | Route KML Color. Used to color the KML file that is loaded for the route. |
| **Directions** | Directions Tag |
| Dir | Direction Text |
| DirectionDesc | Null Not used |
| DirectionIconFileName | Null Not Used |
| Group | Null not used |
| IsHeadway | True= route is headway, False = non headway |
| IsVisible | True= shown on myAvail, False if not shown on myAvail |
| IvrDescription | IVR text description |
| LongName | Route text long name |
| RouteAbbreviation | Route text abbreviation |
| RouteId | Numeric Route Id |
| **RouteStops** | RouteStops Tag |
| Direction | Direction Text |
| RoutId | Numeric Route Id |
| SortOrder | Numeric sort order for stop |
| StopId | Numeric Stop Id |
| RouteTraceFilename | Name of the KML file to display |
| RouteTraceHash64 | Null not used |
| ShortName | Route text short name |
| SortOrder | Numeric sort order for Route |
| Stops | Stops Tag |
| Description | Text stop description |
| IsTimePoint | True = Schedule Timepoint, False = Intermediate stop |
| Latitude | WGS 84 Latitude format of stop location |
| Longitude | WGS 84 Longitude format of stop location |
| Name | Stop Name |
| StopId | Numeric id for the stop |
| **Vehicles** | Vehicle Tag |
| BlockFareboxId | Numeric Block Id |
| CommStatus | Vehicle Communication status |
| Destination | Destination Text |
| Deviation | Numeric deviation of schedule adherence |
| Direction | Direction text |
| DirectionLong | Direction long text |
| DisplayStatus | Schedule Adherence text |
| DriverName | Name of driver signed on to vehicle |
| GPSStatus | Numeric GPS status |
| Heading | Numeric direction heading of vehicle |
| LastStop | Text name of last stop departed |
| LastUpdated | Time vehicle information was last updated |
| Latitude | WGS 84 Latitude format of vehicle location |
| Longitude | WGS 84 Longitude format of vehicle location |
| Name | Vehicle display name |
| OnBoard | Numeric Onboard count |
| OpStatus | Schedule adherence status of vehicle |
| RouteId | Numeric RouteId |
| RunId | Numeric RunId |
| Speed | GPS speed of vehicle |
| TripId | Numeric TripId |
| VehicleId | Numeric MDT id |

Get ALL details on a single Route by Route ID:

http://emta.availtec.com/InfoPoint/rest/routedetails/get/”*routeId”*

Same as the above “getallroutedetails” but only returns the data for a single route. Replace the “routeId” in the URL with the numeric route Id.

**Stops**

Get ALL Stops (no Route info):

http://emta.availtec.com/InfoPoint/rest/stops/getallstops

Below is an example of the Json result set returned. The example only has one stop. All Active stops in the system would be returned.

[{"Description":"5th Ave & AMTRAN","IsTimePoint":true,"Latitude":40.492733,"Longitude":-78.41137099,"Name":"5th Ave & AMTRAN","StopId":1}]

|  |  |
| --- | --- |
| **Field** | **Description** |
| Description | Stop description text |
| IsTimePoint | True = Schedule Timepoint, False = Intermediate stop |
| Latitude | WGS 84 Latitude format of stop location |
| Longitude | WGS 84 Longitude format of stop location |
| Name | Stop Name |
| StopId | Numeric id for the stop |

Get Stop by Stop ID:

http://emta.availtec.com/InfoPoint/rest/stops/get/”*stopId”*

This returns the Json result set for a single stop. The data in the result set is the same as in the above”GetAllStop” the only difference is that the “stopId” in the URL should be replaced with the numeric id for the stop that you want.

**StopDepartures**

Get Stop Departures on a single Stop by StopID:

This returns the Json result set for a single stop departure list. The data in the result set is the same as in the above the only difference is that the “stopId” in the URL should be replaced with the numeric id for the stop that you want. The stop departures returned contain a configurable number of departures for each route and direction that goes through the specified stop.

http://emta.availtec.com/InfoPoint/rest/stopdepartures/get/”*stopId”*

[{"RouteDirections":[{"Departures":[{"ADT":null,"Dev":"PT0S","EDT":"\/Date(1374583620000-0400)\/","LastUpdated":"\/Date(1374562952843-0400)\/","SDT":"\/Date(1374583620000-0400)\/","Trip":{"BlockFareboxId":5,"IVRServiceDesc":"Ivy side","InternalSignDesc":"C T Ivyside","InternetServiceDesc":"Crosstown Ivyside","RunId":5,"TripDirection":"NbI","TripId":820}},{"ADT":null,"Dev":"PT0S","EDT":"\/Date(1374587220000-0400)\/","LastUpdated":"\/Date(1374562943443-0400)\/","SDT":"\/Date(1374587220000-0400)\/","Trip":{"BlockFareboxId":4,"IVRServiceDesc":"Ivy side","InternalSignDesc":"C T Ivyside","InternetServiceDesc":"Crosstown Ivyside","RunId":4,"TripDirection":"NbI","TripId":920}},{"ADT":null,"Dev":"PT0S","EDT":"\/Date(1374590820000-0400)\/","LastUpdated":"\/Date(1374562954207-0400)\/","SDT":"\/Date(1374590820000-0400)\/","Trip":{"BlockFareboxId":5,"IVRServiceDesc":"Ivy side","InternalSignDesc":"C T Ivyside","InternetServiceDesc":"Crosstown Ivyside","RunId":5,"TripDirection":"NbI","TripId":1020}}],"Direction":"Northbound\_Inbound","DirectionCode":"NbI","HeadwayDepartures":null,"IsDone":false,"IsHeadway":false,"RouteId":1}],"StopId":12}]

|  |  |
| --- | --- |
| **Field** | **Description** |
| **Route Directions** | Route Directions Tag |
| **Departures** | Departures Tag |
| ADT | Actual Departure Time |
| Dev | Deviation |
| EDT | Estimated Departure Time |
| LastUpdated | Last Time the EDT was updates |
| SDT | Schedule Departure Time |
| BlockFareboxId | Numeric Block Id |
| IVRServiceDesc | IVR service text description |
| InternalSignDesc | Internal sign text description |
| InternetServiceDesc | Internet service text description |
| RunId | Numeric Run Id |
| TripDirection | Trip Direction Text |
| TripId | Numeric Trip Id |
| Direction | Direction Text |
| Direction Code | Direction Code Text |
| HeadwayDepartures | Interval of Headway departures |
| IsDone | True = No more departures for today, False if there are remaining departures |
| RouteId | Numeric Route Id |
| StopId | Numeric Stop Id |

**Vehicles**

Get ALL Vehicles:

http://emta.availtec.com/InfoPoint/rest/vehicles/getallvehicles

Provides a list of all signed on vehicles in the system. Below is an example of the Json result set. The result set can contain “N” number of vehicles.

[{"BlockFareboxId":10,"CommStatus":"GOOD","Destination":null,"Deviation":5,"Direction":"NbI","DirectionLong":"Northbound\_Inbound","DisplayStatus":"LATE","DriverName":"Davis","GPSStatus":2,"Heading":324,"LastStop":"Park Hills Plaza & Weis Market","LastUpdated":"\/Date(1374593157000-0400)\/","Latitude":40.513997,"Longitude":-78.405345,"Name":"808","OnBoard":5,"OpStatus":"LATE","RouteId":3,"RunId":3,"Speed":20,"TripId":1120,"VehicleId":808},{"BlockFareboxId":13,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"Und","DirectionLong":"Undefined","DisplayStatus":"ON TIME","DriverName":"Harella","GPSStatus":2,"Heading":330,"LastStop":"","LastUpdated":"\/Date(1374593228000-0400)\/","Latitude":40.431518,"Longitude":-78.399466,"Name":"700","OnBoard":7,"OpStatus":"ONTIME","RouteId":8,"RunId":10,"Speed":25,"TripId":1030,"VehicleId":700},{"BlockFareboxId":3,"CommStatus":"GOOD","Destination":null,"Deviation":3,"Direction":"L","DirectionLong":"Loop","DisplayStatus":"LATE","DriverName":"Frederick","GPSStatus":2,"Heading":218,"LastStop":"17th St & 5th Ave O","LastUpdated":"\/Date(1374593243000-0400)\/","Latitude":40.514909,"Longitude":-78.400439,"Name":"803","OnBoard":8,"OpStatus":"LATE","RouteId":2,"RunId":7,"Speed":32,"TripId":1100,"VehicleId":803},{"BlockFareboxId":1,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"SbO","DirectionLong":"Southbound\_Outbound","DisplayStatus":"ON TIME","DriverName":"Albright","GPSStatus":2,"Heading":178,"LastStop":"6th & 40th St O","LastUpdated":"\/Date(1374593253000-0400)\/","Latitude":40.468238,"Longitude":-78.409709,"Name":"V800","OnBoard":3,"OpStatus":"ONTIME","RouteId":1,"RunId":4,"Speed":16,"TripId":1120,"VehicleId":800},{"BlockFareboxId":14,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"O","DirectionLong":"Outbound","DisplayStatus":"ON TIME","DriverName":"Holland","GPSStatus":2,"Heading":88,"LastStop":"7th Ave & 24th St","LastUpdated":"\/Date(1374593262000-0400)\/","Latitude":40.467941,"Longitude":-78.407813,"Name":"702","OnBoard":2,"OpStatus":"ONTIME","RouteId":4,"RunId":6,"Speed":13,"TripId":1125,"VehicleId":702},{"BlockFareboxId":2,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"L","DirectionLong":"Loop","DisplayStatus":"ON TIME","DriverName":"Silva","GPSStatus":2,"Heading":166,"LastStop":"Broadway & Wopsy Ave","LastUpdated":"\/Date(1374593270000-0400)\/","Latitude":40.545226,"Longitude":-78.414013,"Name":"401","OnBoard":5,"OpStatus":"ONTIME","RouteId":9,"RunId":13,"Speed":17,"TripId":1120,"VehicleId":401},{"BlockFareboxId":6,"CommStatus":"GOOD","Destination":null,"Deviation":6,"Direction":"NbO","DirectionLong":"Northbound\_Outbound","DisplayStatus":"LATE","DriverName":"Osmolinski","GPSStatus":2,"Heading":132,"LastStop":"Shelter PSU Hawthorn lot","LastUpdated":"\/Date(1374593281000-0400)\/","Latitude":40.509433,"Longitude":-78.402228,"Name":"805","OnBoard":16,"OpStatus":"LATE","RouteId":5,"RunId":2,"Speed":21,"TripId":1120,"VehicleId":805},{"BlockFareboxId":9,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"SbO","DirectionLong":"Southbound\_Outbound","DisplayStatus":"ON TIME","DriverName":"Walters","GPSStatus":2,"Heading":30,"LastStop":"Station Medical Center & Blair Medical","LastUpdated":"\/Date(1374593289000-0400)\/","Latitude":40.512337,"Longitude":-78.400357,"Name":"807","OnBoard":4,"OpStatus":"ONTIME","RouteId":3,"RunId":1,"Speed":30,"TripId":1120,"VehicleId":807},{"BlockFareboxId":5,"CommStatus":"GOOD","Destination":"Crosstown Walmart","Deviation":0,"Direction":"SbI","DirectionLong":"Southbound\_Inbound","DisplayStatus":"ON TIME","DriverName":"James","GPSStatus":2,"Heading":220,"LastStop":"15th St & 25th Ave","LastUpdated":"\/Date(1374593321000-0400)\/","Latitude":40.520684,"Longitude":-78.415652,"Name":"806","OnBoard":5,"OpStatus":"EARLY","RouteId":1,"RunId":5,"Speed":20,"TripId":1120,"VehicleId":806},{"BlockFareboxId":4,"CommStatus":"GOOD","Destination":null,"Deviation":0,"Direction":"Und","DirectionLong":"Undefined","DisplayStatus":"ON 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Bellmeade","LastUpdated":"\/Date(1374593348000-0400)\/","Latitude":40.513796,"Longitude":-78.402835,"Name":"802","OnBoard":6,"OpStatus":"EARLY","RouteId":6,"RunId":8,"Speed":0,"TripId":1100,"VehicleId":802}]

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| --- | --- |
|  |  |
| BlockFareboxId | Numeric Block Id |
| CommStatus | Vehicle Communication status |
| Destination | Destination Text |
| Deviation | Numeric deviation of schedule adherence |
| Direction | Direction text |
| DirectionLong | Direction long text |
| DisplayStatus | Schedule Adherence text |
| DriverName | Name of driver signed on to vehicle |
| GPSStatus | Numeric GPS status |
| Heading | Numeric direction heading of vehicle |
| LastStop | Text name of last stop departed |
| LastUpdated | Time vehicle information was last updated |
| Latitude | WGS 84 Latitude format of vehicle location |
| Longitude | WGS 84 Longitude format of vehicle location |
| Name | Vehicle display name |
| OnBoard | Numeric Onboard count |
| OpStatus | Schedule adherence status of vehicle |
| RouteId | Numeric RouteId |
| RunId | Numeric RunId |
| Speed | GPS speed of vehicle |
| TripId | Numeric TripId |
| VehicleId | Numeric MDT id |

Get Vehicles on a single Route by RouteID:

http://emta.availtec.com/InfoPoint/rest/vehicles/getallvehiclesforroute?routeID=”*routeId”*

This Json result set only returns the vehicles for a specified route. Replace the “routeId” in the URL with a numeric route id.

**SignageStopDepartures**

Get Signage Stop Departures for a specific sign by MAC Address

<http://itp4.ridetherapid.org:10000/InfoPoint/rest/SignageStopDepartures/GetSignageDeparturesByMac?MACaddress=00-09-7F-BB-32-02>

Get ALL Signage Stop Departures on ALL Stops:

[http://availtids.falafel.com/InfoPoint/rest/signagestopdepartures/getallsignagedepartures](http://availtids.falafel.com/InfoPoint/rest/stopdepartures/getallstopdepartures)

Get Signage Stop Departures on a single Stop by StopID:

[http://availtids.falafel.com/InfoPoint/rest/signagestopdepartures/GetSignageDeparturesByStopId?stopId=176](http://availtids.falafel.com/InfoPoint/rest/stopdepartures/getallstopdepartures)

Get Signage Stop Departures for a specific sign by SignId:

[http://availtids.falafel.com/](http://availtids.falafel.com/rest/stopdepartures/get/176)[InfoPoint/](http://availtids.falafel.com/rest/staticdata/getallstaticdata)[rest/signagestopdepartures/GetSignageDeparturesBySignId?signId=100](http://availtids.falafel.com/InfoPoint/rest/stopdepartures/get/176)

[{"LastUpdated":"\/Date(1405595324700-0400)\/","StopId":1,"RouteDirections":[{"RouteId":"1","Direction":"SB","IsHeadway":"False","IsDone":"False","Departures":[{"ETA":"\/Date(1405593341000-0400)\/","STA":"\/Date(1405593300000-0400)\/","EDT":"\/Date(1405593951000-0400)\/","SDT":"\/Date(1405593900000-0400)\/","DisplayText":"Division","VehicleId":"1004","LastUpdated":"\/Date(1405595314000-0400)\/"},{"ETA":"\/Date(1405594066000-0400)\/","STA":"\/Date(1405594200000-0400)\/","EDT":"\/Date(1405594854000-0400)\/","SDT":"\/Date(1405594800000-0400)\/","DisplayText":"Division","VehicleId":"297","LastUpdated":"\/Date(1405595286000-0400)\/"},{"ETA":"\/Date(1405595007000-0400)\/","STA":"\/Date(1405595100000-0400)\/","EDT":"\/Date(1405595700000-0400)\/","SDT":"\/Date(1405595700000-0400)\/","DisplayText":"Division","VehicleId":"1013","LastUpdated":"\/Date(1405595290000-0400)\/"},{"ETA":"\/Date(1405596106000-0400)\/","STA":"\/Date(1405596000000-0400)\/","EDT":"\/Date(1405596600000-0400)\/","SDT":"\/Date(1405596600000-0400)\/","DisplayText":"Division","VehicleId":"1018","LastUpdated":"\/Date(1405595324700-0400)\/"},{"ETA":"\/Date(1405597058000-0400)\/","STA":"\/Date(1405596900000-0400)\/","EDT":"\/Date(1405597500000-0400)\/","SDT":"\/Date(1405597500000-0400)\/","DisplayText":"Division","VehicleId":"1055","LastUpdated":"\/Date(1405595286283-0400)\/"},{"ETA":"\/Date(1405597800000-0400)\/","STA":"\/Date(1405597800000-0400)\/","EDT":"\/Date(1405598400000-0400)\/","SDT":"\/Date(1405598400000-0400)\/","DisplayText":"Division","VehicleId":"297","LastUpdated":"\/Date(1405595286000-0400)\/"},{"ETA":"\/Date(1405598700000-0400)\/","STA":"\/Date(1405598700000-0400)\/","EDT":"\/Date(1405599300000-0400)\/","SDT":"\/Date(1405599300000-0400)\/","DisplayText":"Division","VehicleId":"1004","LastUpdated":"\/Date(1405595314000-0400)\/"},{"ETA":"\/Date(1405599600000-0400)\/","STA":"\/Date(1405599600000-0400)\/","EDT":"\/Date(1405600200000-0400)\/","SDT":"\/Date(1405600200000-0400)\/","DisplayText":"Division","VehicleId":"1018","LastUpdated":"\/Date(1405595240000-0400)\/"},{"ETA":"\/Date(1405600500000-0400)\/","STA":"\/Date(1405600500000-0400)\/","EDT":"\/Date(1405601100000-0400)\/","SDT":"\/Date(1405601100000-0400)\/","DisplayText":"Division","VehicleId":"1013","LastUpdated":"\/Date(1405595290000-0400)\/"},{"ETA":"\/Date(1405601400000-0400)\/","STA":"\/Date(1405601400000-0400)\/","EDT":"\/Date(1405602000000-0400)\/","SDT":"\/Date(1405602000000-0400)\/","DisplayText":"Division","VehicleId":"297","LastUpdated":"\/Date(1405595286000-0400)\/"},{"ETA":"\/Date(1405602300000-0400)\/","STA":"\/Date(1405602300000-0400)\/","EDT":"\/Date(1405602900000-0400)\/","SDT":"\/Date(1405602900000-0400)\/","DisplayText":"Division","VehicleId":"1055","LastUpdated":"\/Date(1405595259000-0400)\/"},{"ETA":"\/Date(1405603200000-0400)\/","STA":"\/Date(1405603200000-0400)\/","EDT":"\/Date(1405603800000-0400)\/","SDT":"\/Date(1405603800000-0400)\/","DisplayText":"Division","VehicleId":"1018","LastUpdated":"\/Date(1405595240000-0400)\/"},{"ETA":"\/Date(1405604100000-0400)\/","STA":"\/Date(1405604100000-0400)\/","EDT":"\/Date(1405604700000-0400)\/","SDT":"\/Date(1405604700000-0400)\/","DisplayText":"Division","VehicleId":"1004","LastUpdated":"\/Date(1405595314000-0400)\/"},{"ETA":"\/Date(1405605000000-0400)\/","STA":"\/Date(1405605000000-0400)\/","EDT":"\/Date(1405605600000-0400)\/","SDT":"\/Date(1405605600000-0400)\/","DisplayText":"Division","VehicleId":"297","LastUpdated":"\/Date(1405595286000-0400)\/"}],"HeadwayDepartures":[]}]}]

|  |  |
| --- | --- |
| **Field** | **Description** |
| LastUpdated | Time when the stop was last updated. This uses the most recent time from any stop departure/vehicle update. |
| StopId | This is the id of the stop |
| Route Directions | Route Directions Tag. Contains a list of Route directions |
| RouteId | Numeric Route Id |
| Direction | Direction Text |
| Departures | Departures Tag |
| IsHeadway | This defines if the route is headway |
| IsDone | True = No more departures for today, False if there are remaining departures |
| Departures | Departures Tag |
| ETA | Estimated time of arrival |
| STA | Scheduled time of arrival |
| EDT | Estimated Departure Time |
| SDT | Scheduled Departure Time |
| DisplayText | The display text for the departure. This is usually the destination of the route. |
| VehicleId | Vehicle Id that is servicing the departure |
| LastUpdated | Last Time the EDT was updates |
| HeadwayDepartures | Headway departures tag |
| HeadwayIntervalScheduled | The interval for the headway that is scheduled |
| HeadwayIntervalTarget | The target interval based on vehicles. |
| LastDeparture | The last departure from that stop |
| LastUpdated | The last time the stop was updated. |
| NextDeparture | When the stop will be serviced next. This can be a time or will say “due” when the time has expired. |
| VehicleId | Vehicle Id that will service the stop |

### Sign Configuration

Get ALL SignageConfig objects:

[http://](http://avpr-myavail:8081/InfoPoint/rest/signageconfig/getallsignconfigs)[availtids.falafel.com](http://availtids.falafel.com/sms)[/InfoPoint/rest/signageconfig/getallsignconfigs](http://avpr-myavail:8081/InfoPoint/rest/signageconfig/getallsignconfigs)

Get SignageConfig by ID:

[http://avpr-MyAvail:8081/InfoPoint/rest/signageconfig/getsignconfigbyid/1](http://avpr-myavail:8081/InfoPoint/rest/signageconfig/getsignconfigbyid/1)

Get SignageConfig by MAC Address:

[http://](http://avpr-myavail:8081/InfoPoint/rest/signageconfig/getsignconfigbymac/00-24-E8-38-78-81)[availtids.falafel.com](http://availtids.falafel.com/sms)[/InfoPoint/rest/signageconfig/getsignconfigbymac/00-24-E8-38-78-81](http://avpr-myavail:8081/InfoPoint/rest/signageconfig/getsignconfigbymac/00-24-E8-38-78-81)

**PSN:**

<http://amtran.org/Infopoint/rest/PSN/GetTransactionsByPSN?psn=1022&numberOfTransactions=all>