

MetroTransit NexTrip API (BETA)

- BETA release of an OAuth protected iteration of the metrotransit Bus Routes API
 - @iryanb (For Dev and Test Use Only, All Rights Reserved (c) 10.23.2017)
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MetroTransit NexTrip API (BETA)

- Currently this API permits 2 requests per minute for anonymous API clients
- In a future release this API will offer rate limits for OAuth clients
- OAuth 2.0 AccessCode Tokens Scopes
 - routes:all Grants read access to all routes
 - routes:express Grants read access to only express routes
 - routes:local Grants read access to local routes

GET /NexTrip/{ROUTE}/{DIRECTION}/{STOP}

- GET TIMEPOINT DEPARTURES
- To make a valid request specify the integer values of the Route ID, Direction, and the Bus Stop ID as path parameters
- Without an Accept Header the default response schema is XML, for JSON set the Accept header to application/json

GET /NexTrip/{STOPID}

- GET DEPARTURES
- This operation is used to return a list of departures scheduled for any given bus stop.
- A StopID is an integer value identifying any one of the many thousands of bus stops in the metro.
- Stop information can be derived from the GTFS schedule data updated weekly for public use.
- datafinder.org/metadata/transit_schedule_google_feed.html

GET /NexTrip/Directions/{ROUTE}

- GET DIRECTIONS
- Returns the two directions that are valid for a given route. Either North/South or East/West.
- The result includes text/value pair with the direction name and an ID.
- Directions are identified with an ID value. 1 = South, 2 = East, 3 = West, 4 = North.

GET /NexTrip/Providers

- GET PROVIDERS
- Returns a list of area Transit providers.
- Providers are identified in the list of Routes allowing routes to be selected for a single provider.

GET /NexTrip/Routes

- GET ROUTES
- Returns a list of Transit routes that are in service on the current day.

GET /NexTrip/Stops/{ROUTE}/{DIRECTION}

- GET STOPS
- Returns a list of Timepoint stops for the given Route/Direction.
- The result includes text/value pairs with the stop description and a 4 character stop (or node) identifier.

GET /NexTrip/VehicleLocations/{ROUTE}

- GET VEHICLE LOCATIONS
- This operation returns a list of vehicles currently in service that have recently (within 5 minutes)
- reported their locations. A route parameter is used to return results for the given route.
- Use "0" for the route parameter to return a list of all vehicles in service.

POST /NexTrip/update/Routes (Future API Enhancement)

- This API operation requires an admin_AccessCode Token with one of the following scopes
 - admin_updateroutes
- The POST message body must be a properly formatted JSON object with the following fields

```
{
  "Route":"integerRouteID",
  "ProviderID":"integerProviderID",
  "duration":"integerMinutes",
  "stops":[{"Text":"stringStopName", "Value":"stringStopID"}, {"Text":"st
  "numberofstops":"integerStops",
  "express":"True or False",
  "Description":"Details about the route"
}
```

Security Definitions

AccessCode

- Web and Mobile Authenticated Users

- | | |
|------------------|---|
| - routes:all | Grants read access to all routes |
| - routes:express | Grants read access to only express routes |
| - routes:local | Grants read access to local routes |
| - readpublic_key | List and view details for public keys |

MobileApp_Implicit

- Implicitly Trusted Mobile App **with** Anonymous User
 - readpublic_key List and view details **for** public keys

admin_AccessCode

- administrative purposes
 - admin_updateroutes Grants write access to routes data
 - admin_writepublic_key Create, list, and view details **for** public keys
 - admin_public_key Fully manage PKI keys

Privacy Policy

<https://svc.metrotransit.org>

Access Control

GET /NexTrip/oauth20/authorize

Implementation Notes

Request a temporary code for the desired API Access Token Scope(s)

Response Class (Status 200)

Successful response with the code and scope query parameters appended to the redirect_uri in the Location HTTP Header

Model | Example Value

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

Parameter	Value	Description	Parameter Type	Data Type
grant_type	authorization_code	value = authorization_code	query	string
client_id	TARJ000	a valid OAuth2 client id registered to the app authorized to use the API is required (this changes with each app store version iteration)	query	string
redirect_uri	http://localhost:8099	App Callback URI	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Missing Authorization Header, Unknown User or App ID or incorrect password or secret.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
418	Tea Kettles are not currently supported in this version of the API	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/oauth20/a'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/oauth20/authorize?grant_type=authorization_code&client_id=
```

Response Body

```
no content
```

Response Code

```
0
```

Response Headers

```
{
  "error": "no response from server"
}
```

GET /NexTrip/oauth20/token

Implementation Notes

Applications request an implicit token with a client id and secret prior to user authentication

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "token": "string",
  "refresh_token": "string",
  "token_type": "string",
  "expires_in": "string",
  "scopes": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
grant_type	<input type="text" value="(required)"/>	value = implicit	query	string
client_id	<input type="text" value="(required)"/>	a valid OAuth2 client id registered to the app authorized to use	query	string

Parameter	Value	Description	Parameter Type	Data Type
		the API is required (this changes with each app store version iteration)		
client_secret	<input type="text" value="(required)"/>	the client secret associated to the app client id (this changes with each app store version iteration)	query	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Missing Authorization Header, Unknown User or App ID or incorrect password or secret.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Bad Request (User Error, Network Packet Loss), Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

[Try it out!](#)

POST /NexTrip/oauth20/token

Implementation Notes

Authorization Code grant types require a POST to the token endpoint after a GET for Authorization code.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "token": "string",
  "refresh_token": "string",
  "token_type": "string",
  "expires_in": "string",
  "scopes": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Missing Authorization Header, Unknown User or App ID or incorrect password or secret.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

Bus Routes

GET /NexTrip/{ROUTE}/{DIRECTION}/{STOP}

Implementation Notes

Returns the scheduled departures for a selected route, direction and timepoint stop.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "Actual": true,
  "BlockNumber": 0,
  "DepartureText": "string",
  "DepartureTime": "string",
  "Description": "string",
  "Gate": "string",
  "Route": 0,
  "RouteDirection": "string",
  "Terminal": "string",
  "VehicleHeading": 0,
  "VehicleLatitude": "string",
  "VehicleLongitude": "string"
}
```

Response Content Type application/json

Parameters

Parameter	Value	Description	Parameter Type	Data Type
ROUTE	<input type="text" value="724"/>	Sepcify the Route ID as an integer.	path	integer
DIRECTION	<input type="text" value="1"/>	Specify the direction as an integer. 1 (South), 2 (East), 3 (West), 4 (North)	path	integer
STOP	<input type="text" value="TARG"/>	Specify the value of the Bus Stop ID as an abbreviated string	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

HTTP Status Code	Reason	Response Model	Headers
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/724/1/TAF'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/724/1/TARG
```

Response Body

```
[
  {
    "Actual": false,
    "BlockNumber": 2137,
    "DepartureText": "4:39",
    "DepartureTime": "/Date(1508794740000-0500)/",
    "Description": "Brklyn Ctr / Transit Ctr",
    "Gate": "",
    "Route": "724",
    "RouteDirection": "SOUTHBOUND",
    "Terminal": "",
    "VehicleHeading": 0,
    "VehicleLatitude": 45.09674,
    "VehicleLongitude": -93.3503
  },
  {
    "Actual": false,
```

```
    "BlockNumber": 1149,
    "DepartureText": "5:14",
    "DepartureTime": "/Date(1508796840000-0500)/",
    "Description": "Brklyn Ctr / Transit Ctr",
    "Gate": "",
    "Route": "724",
    "RouteDirection": "SOUTHBOUND",
    "Terminal": "",
    "VehicleHeading": 0,
    "VehicleLatitude": 45.11693,
    "VehicleLongitude": -93.38447
  },
  {
    "Actual": false,
    "BlockNumber": 2140,
    "DepartureText": "5:44",
    "DepartureTime": "/Date(1508798640000-0500)/",
    "Description": "Brklyn Ctr / Transit Ctr",
    "Gate": "",
    "Route": "724",
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/{STOPID}

Implementation Notes

Returns a list of departures scheduled for any given bus stop.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

Parameter	Value	Description	Parameter Type	Data Type
STOPID	<input type="text" value="11167"/>	Specify the value of the Bus Stop ID as an abbreviated string	path	string

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/11167'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/11167
```

Response Body

```
[
  {
    "Actual": true,
```

```
"BlockNumber": 1520,
"DepartureText": "3 Min",
"DepartureTime": "/Date(1508792160000-0500)/",
"Description": "Cedar-28Av/VA Med Ctr/Via Dupont",
"Gate": "",
"Route": "22",
"RouteDirection": "SOUTHBOUND",
"Terminal": "G",
"VehicleHeading": 0,
"VehicleLatitude": 44.99271,
"VehicleLongitude": -93.28804
},
{
  "Actual": true,
  "BlockNumber": 1147,
  "DepartureText": "5 Min",
  "DepartureTime": "/Date(1508792280000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.99246,
  "VehicleLongitude": -93.29565
},
{
  "Actual": true,
  "BlockNumber": 2128,
  "DepartureText": "7 Min",
  "DepartureTime": "/Date(1508792400000-0500)/",
  "Description": "Chicago - 38St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "A",
  "VehicleHeading": 0,
  "VehicleLatitude": 48.8415,
  "VehicleLongitude": -94.91384
},
{
  "Actual": true,
  "BlockNumber": 2119,
  "DepartureText": "14 Min",
  "DepartureTime": "/Date(1508792820000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.01232,
  "VehicleLongitude": -93.29565
}
```

```
},
{
  "Actual": true,
  "BlockNumber": 1511,
  "DepartureText": "15 Min",
  "DepartureTime": "/Date(1508792880000-0500)/",
  "Description": "Cedar-28Av/VA Med Ctr/Via 51-Penn",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "H",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.0248,
  "VehicleLongitude": -93.28807
},
{
  "Actual": false,
  "BlockNumber": 2135,
  "DepartureText": "4:16",
  "DepartureTime": "/Date(1508793360000-0500)/",
  "Description": "Chicago - 38St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "A",
  "VehicleHeading": 0,
  "VehicleLatitude": 0,
  "VehicleLongitude": 0
},
{
  "Actual": false,
  "BlockNumber": 1153,
  "DepartureText": "4:19",
  "DepartureTime": "/Date(1508793540000-0500)/",
  "Description": "Cedar-28Av/VA Med Ctr/Via Logan-57",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "G",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.05454,
  "VehicleLongitude": -93.30416
},
{
  "Actual": false,
  "BlockNumber": 1144,
  "DepartureText": "4:23",
  "DepartureTime": "/Date(1508793780000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
```

```
"VehicleHeading": 0,
"VehicleLatitude": 45.00603,
"VehicleLongitude": -93.30789
},
{
  "Actual": false,
  "BlockNumber": 1155,
  "DepartureText": "4:31",
  "DepartureTime": "/Date(1508794260000-0500)/",
  "Description": "Chicago - 38St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "A",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.0595,
  "VehicleLongitude": -93.31857
},
{
  "Actual": false,
  "BlockNumber": 1513,
  "DepartureText": "4:32",
  "DepartureTime": "/Date(1508794320000-0500)/",
  "Description": "Cedar-28Av/VA Med Ctr/Via Dupont-57",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "H",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.05967,
  "VehicleLongitude": -93.31885
},
{
  "Actual": false,
  "BlockNumber": 1986,
  "DepartureText": "4:37",
  "DepartureTime": "/Date(1508794620000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.99403,
  "VehicleLongitude": -93.29408
},
{
  "Actual": false,
  "BlockNumber": 1140,
  "DepartureText": "4:45",
  "DepartureTime": "/Date(1508795100000-0500)/",
  "Description": "Chicago - 56St",
  "Gate": "",
```

```
"Route": "5",
"RouteDirection": "SOUTHBOUND",
"Terminal": "B",
"VehicleHeading": 0,
"VehicleLatitude": 45.03548,
"VehicleLongitude": -93.30869
},
{
  "Actual": false,
  "BlockNumber": 1510,
  "DepartureText": "4:47",
  "DepartureTime": "/Date(1508795220000-0500)/",
  "Description": "Cedar-28Av / VA Med Ctr/Via 51-Penn",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "G",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.06057,
  "VehicleLongitude": -93.31936
},
{
  "Actual": false,
  "BlockNumber": 1142,
  "DepartureText": "4:52",
  "DepartureTime": "/Date(1508795520000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.97297,
  "VehicleLongitude": -93.26205
},
{
  "Actual": false,
  "BlockNumber": 1145,
  "DepartureText": "5:00",
  "DepartureTime": "/Date(1508796000000-0500)/",
  "Description": "Chicago - 56St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "B",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.0128,
  "VehicleLongitude": -93.29428
},
{
  "Actual": false,
  "BlockNumber": 1515,
  "DepartureText": "5:01",
```

```
"DepartureTime": "/Date(1508796060000-0500)/",
"Description": "Cedar-28Av/VA Med Ctr/Via Logan-57",
"Gate": "",
"Route": "22",
"RouteDirection": "SOUTHBOUND",
"Terminal": "H",
"VehicleHeading": 0,
"VehicleLatitude": 45.00941,
"VehicleLongitude": -93.28797
},
{
  "Actual": false,
  "BlockNumber": 1168,
  "DepartureText": "5:07",
  "DepartureTime": "/Date(1508796420000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.9756,
  "VehicleLongitude": -93.26932
},
{
  "Actual": false,
  "BlockNumber": 1519,
  "DepartureText": "5:15",
  "DepartureTime": "/Date(1508796900000-0500)/",
  "Description": "Cedar-28Av/VA Med Ctr/Via Dupont-57",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "H",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.97831,
  "VehicleLongitude": -93.27542
},
{
  "Actual": false,
  "BlockNumber": 1163,
  "DepartureText": "5:16",
  "DepartureTime": "/Date(1508796960000-0500)/",
  "Description": "Chicago - 56St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "B",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.97749,
  "VehicleLongitude": -93.27531
},
{
```



```
"Actual": false,
"BlockNumber": 1171,
"DepartureText": "5:25",
"DepartureTime": "/Date(1508797500000-0500)/",
"Description": "Chicago / Mall of Amer",
"Gate": "",
"Route": "5",
"RouteDirection": "SOUTHBOUND",
"Terminal": "E",
"VehicleHeading": 0,
"VehicleLatitude": 0,
"VehicleLongitude": 0
},
{
  "Actual": false,
  "BlockNumber": 1158,
  "DepartureText": "5:36",
  "DepartureTime": "/Date(1508798160000-0500)/",
  "Description": "Chicago - 56St",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "B",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.97117,
  "VehicleLongitude": -93.26231
},
{
  "Actual": false,
  "BlockNumber": 2139,
  "DepartureText": "5:39",
  "DepartureTime": "/Date(1508798340000-0500)/",
  "Description": "Cedar-28Av / VA Med Ctr/Via 51-Penn",
  "Gate": "",
  "Route": "22",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "G",
  "VehicleHeading": 0,
  "VehicleLatitude": 45.05373,
  "VehicleLongitude": -93.32316
},
{
  "Actual": false,
  "BlockNumber": 1167,
  "DepartureText": "5:46",
  "DepartureTime": "/Date(1508798760000-0500)/",
  "Description": "Chicago / Mall of Amer",
  "Gate": "",
  "Route": "5",
  "RouteDirection": "SOUTHBOUND",
  "Terminal": "E",
  "VehicleHeading": 0,
  "VehicleLatitude": 44.9464,
```

```
    "VehicleLongitude": -93.26264
  },
  {
    "Actual": false,
    "BlockNumber": 1143,
    "DepartureText": "5:56",
    "DepartureTime": "/Date(1508799360000-0500)/",
    "Description": "Chicago - 56St",
    "Gate": "",
    "Route": "5",
    "RouteDirection": "SOUTHBOUND",
    "Terminal": "B",
    "VehicleHeading": 0,
    "VehicleLatitude": 44.93404,
    "VehicleLongitude": -93.26308
  },
  {
    "Actual": false,
    "BlockNumber": 1052,
    "DepartureText": "6:00",
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/Directions/{ROUTE}

Implementation Notes

Returns the two directions that are valid for a given route.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
-----------	-------	-------------	----------------	-----------

Parameter	Value	Description	Parameter Type	Data Type
ROUTE	<input type="text" value="724"/>	Specifiy the Route ID as an integer.	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/Direction'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/Directions/724
```

Response Body

```
[
  {
    "Text": "NORTHBOUND",
```

```
    "Value": "4"
  },
  {
    "Text": "SOUTHBOUND",
    "Value": "1"
  }
]
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/Providers

Implementation Notes

Returns a list of area Transit providers. Providers are identified in the list of Routes allowing routes to be selected for a single provider.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0,</pre></div>	

HTTP Status Code	Reason	Response Model	Headers
		<pre>"message": "string", "fields": "string" }</pre>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <pre>{ "code": 0, "message": "string", "fields": "string" }</pre>	
500	Incomplete Request or Server Error	Model Example Value <pre>{ "code": 0, "message": "string", "fields": "string" }</pre>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/Providers'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/Providers
```

Response Body

```
[
  {
    "Text": "University of Minnesota",
    "Value": "1"
  },
  {
    "Text": "Airport (MAC)",
    "Value": "2"
  },
  {
    "Text": "Other",
    "Value": "3"
  },
  {
    "Text": "Prior Lake",
    "Value": "4"
  },
  {
    "Text": "Scott County",
    "Value": "5"
  },
]
```

```
{
  "Text": "Metro Transit/Met Council",
  "Value": "6"
},
{
  "Text": "SouthWest Transit",
  "Value": "7"
},
{
  "Text": "Metro Transit",
  "Value": "8"
},
{
  "Text": "Minnesota Valley",
  "Value": "9"
},
{
  "Text": "Plymouth",
  "Value": "10"
},
},
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/Routes

Implementation Notes

Returns a list of Transit routes that are in service on the current day.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "Route": 0,
  "ProviderID": 0,
  "Description": "string"
}
```

Response Content Type application/json

Response Messages

HTTP Status Code	Reason	Response Model	Headers
------------------	--------	----------------	---------

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	<div>Model Example Value</div> <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/Routes'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/Routes
```

Response Body

```
[
  {
    "Description": "METRO Blue Line",
    "ProviderID": "8",
    "Route": "901"
  },
  {
    "Description": "METRO Green Line",
    "ProviderID": "8",
    "Route": "902"
  }
]
```

```
},
{
  "Description": "METRO Red Line",
  "ProviderID": "9",
  "Route": "903"
},
{
  "Description": "2 - Franklin Av - Riverside Av - U of M - 8th St SE",
  "ProviderID": "8",
  "Route": "2"
},
{
  "Description": "3 - U of M - Como Av - Energy Park Dr - Maryland Av",
  "ProviderID": "8",
  "Route": "3"
},
{
  "Description": "4 - New Brighton - Johnson St - Bryant Av - Southtown",
  "ProviderID": "8",
  "Route": "4"
},
{
  "Description": "5 - Brklyn Center - Fremont - 26th Av - Chicago - MOA",
  "ProviderID": "8",
  "Route": "5"
},
{
  "Description": "6 - U of M - Hennepin - Xerxes - France - Southdale",
  "ProviderID": "8",
  "Route": "6"
},
{
  "Description": "7 - Plymouth - 27Av - Midtown - 46St LRT - 34Av S",
  "ProviderID": "8",
  "Route": "7"
},
{
  "Description": "9 - Glenwood Av - Wayzata Blvd - Cedar Lk Rd -46St LRT",
  "ProviderID": "8",
  "Route": "9"
},
{
  "Description": "10 - Central Av - University Av - Northtown",
  "ProviderID": "8",
  "Route": "10"
},
{
  "Description": "11 - Columbia Heights - 2nd St NE - 4th Av S",
  "ProviderID": "8",
  "Route": "11"
},
{
  "Description": "12 - Uptown - Excelsior Blvd - Hopkins - Opus",
```



```
    "ProviderID": "8",
    "Route": "12"
  },
  {
    "Description": "14 - Robbinsdale-West Broadway-Bloomington Av",
    "ProviderID": "8",
    "Route": "14"
  },
  {
    "Description": "16 - U of M - University Av - Midway",
    "ProviderID": "8",
    "Route": "16"
  },
  {
    "Description": "17 - Minnetonka Blvd - Uptown - Washington St NE",
    "ProviderID": "8",
    "Route": "17"
  },
  {
    "Description": "18 - Nicollet Av - South Bloomington",
    "ProviderID": "8",
    "Route": "18"
  },
  {
    "Description": "19 - Olson Memorial Hwy - Penn Av N - Brooklyn Center",
    "ProviderID": "8",
    "Route": "19"
  },
  {
    "Description": "20 - Northstar Rail-Downtown Shuttle",
    "ProviderID": "8",
    "Route": "20"
  },
  {
    "Description": "21 - Uptown - Lake St - Selby Av",
    "ProviderID": "8",
    "Route": "21"
  },
  {
    "Description": "22 - Brklyn Ctr - Lyndale Av N - Cedar - 28th Av S - VA",
    "ProviderID": "8",
    "Route": "22"
  },
  {
    "Description": "23 - Uptown - 38th St - Highland Village",
    "ProviderID": "8",
    "Route": "23"
  },
  {
    "Description": "25 - Northtown - Silver Lake - Stinson - Lake of Isles",
    "ProviderID": "8",
    "Route": "25"
  },
}
```

```
{
  "Description": "27 - Lake St Station-26/28St",
  "ProviderID": "11",
  "Route": "27"
},
{
  "Description": "30 - Broadway Crosstown - Westgate Station",
  "ProviderID": "8",
  "Route": "30"
},
{
  "Description": "32 - Robbinsdale - Lowry Av - Rosedale",
  "ProviderID": "6",
  "Route": "32"
},
{
  "Description": "39 - Wells Fargo - Abbott NW and Children's Hospitals",
  "ProviderID": "8",
  "Route": "39"
},
{
  "Description": "46 - 50St - 46St - 46St LRT- Highland Village",
  "ProviderID": "8",
  "Route": "46"
},
{
  "Description": "53 - Ltd Stop - Uptown - Lake St - Marshall Av",
  "ProviderID": "8",
  "Route": "53"
},
{
  "Description": "54 - Ltd Stop - W 7St - Airport - MOA",
  "ProviderID": "8",
  "Route": "54"
},
{
  "Description": "59 - Ltd Stop - Blaine - Hwy 65 - Central - Mpls",
  "ProviderID": "8",
  "Route": "59"
},
{
  "Description": "61 - E Hennepin Av - Larpenteur Av - Arcade St",
  "ProviderID": "8",
  "Route": "61"
},
{
  "Description": "62 - Rice St - Little Canada - Shoreview - Signal Hills",
  "ProviderID": "8",
  "Route": "62"
},
{
  "Description": "63 - Grand Av - Raymond Sta - Sunray - McKnight Rd",
  "ProviderID": "8",
```

```

    "Route": "63"
  },
  {
    "Description": "64 - Payne - Maryland - White Bear Av - Maplewood",
    "ProviderID": "8",
    "Route": "64"
  },
  {
    "Description": "65 - Dale St - Co Rd B - Rosedale",
    "ProviderID": "8",
    "Route": "65"
  },
  {
    "Description": "67 - W Minnehaha - Raymond Sta - Hiawatha",
    "ProviderID": "8",
    "Route": "67"
  },
  {
    "Description": "68 - Jackson St - Robert St - 5th Av - Inver Hills",
    "ProviderID": "8",
    "Route": "68"
  },
  {
    "Description": "70 - St Clair Av - W 7St - Burns Av - Sunray",
    "ProviderID": "8",
    "Route": "70"
  },
  {
    "Description": "71 - Little Canada - Edgerton - Concord - Inver Hills",
    "ProviderID": "8",
    "Route": "71"
  },
  {
    "Description": "74 - 46St - Randolph - W 7St - E 7St - Sunray",
    "ProviderID": "8",
    "Route": "74"
  },
  {
    "Description": "75 - Stryker - Robert - Parkview Plaza - Lake Cove Apts",
    "ProviderID": "8",
    "Route": "75"
  },
  {
    "Description": "80 - Maplewood - White Bear Av - Sunray",
    "ProviderID": "11",
    "Route": "80"
  },
  {
    "Description": "83 - HarMar Target - Lexington Av",
    "ProviderID": "11",
    "Route": "83"
  },
  {

```

```
"Description": "84 - Rosedale - Snelling - 46th St LRT - Sibley Plaza",
"ProviderID": "8",
"Route": "84"
},
{
  "Description": "87 - Rosedale - U of M St Paul - Cleveland Av",
  "ProviderID": "11",
  "Route": "87"
},
{
  "Description": "94 - Express - Mpls - St Paul",
  "ProviderID": "8",
  "Route": "94"
},
{
  "Description": "111 - Ltd Stop - 66th St - Chicago - Cedar - U of M",
  "ProviderID": "8",
  "Route": "111"
},
{
  "Description": "113 - Ltd Stop - Grand Av S - Lyndale Av S - U of M",
  "ProviderID": "8",
  "Route": "113"
},
{
  "Description": "114 - Ltd Stop - Excelsior Blvd - Uptown - U of M",
  "ProviderID": "8",
  "Route": "114"
},
{
  "Description": "115 - Ltd Stop - Grand Av S - Uptown - U of M",
  "ProviderID": "8",
  "Route": "115"
},
{
  "Description": "118 - Ltd Stop - Central Av - Lowry Av - U of M",
  "ProviderID": "8",
  "Route": "118"
},
{
  "Description": "120 - U of M Stadium Super Shuttle",
  "ProviderID": "1",
  "Route": "120"
},
{
  "Description": "121 - U of M - Campus Connector",
  "ProviderID": "1",
  "Route": "121"
},
{
  "Description": "122 - U of M - University Ave Circulator",
  "ProviderID": "1",
  "Route": "122"
```

```
},
{
  "Description": "123 - U of M - 4th Street Circulator",
  "ProviderID": "1",
  "Route": "123"
},
{
  "Description": "124 - U of M - Saint Paul Circulator",
  "ProviderID": "1",
  "Route": "124"
},
{
  "Description": "129 - U of M - Huron Shuttle",
  "ProviderID": "8",
  "Route": "129"
},
{
  "Description": "133 - Ltd Stop - Bloomington Av - Chicago Av - Mpls",
  "ProviderID": "8",
  "Route": "133"
},
{
  "Description": "134 - Ltd Stop - Cleveland Av - Cretin Av - Mpls",
  "ProviderID": "8",
  "Route": "134"
},
{
  "Description": "135 - Ltd Stop - Grand Av S - 35th St - 36th St - Mpls",
  "ProviderID": "8",
  "Route": "135"
},
{
  "Description": "141 - Ltd Stop - New Brighton - Johnson St - Mpls",
  "ProviderID": "8",
  "Route": "141"
},
{
  "Description": "146 - Ltd Stop - Vernon Av - 50th St - Mpls",
  "ProviderID": "8",
  "Route": "146"
},
{
  "Description": "156 - Express - 58th St - 56th St - Diamond Lake - Mpls",
  "ProviderID": "8",
  "Route": "156"
},
{
  "Description": "219 - Maplewood - Century Av - Hadley Av - Sunray",
  "ProviderID": "11",
  "Route": "219"
},
{
  "Description": "223 - Rosedale - Little Canada - Maplewood",
```

```
    "ProviderID": "11",
    "Route": "223"
  },
  {
    "Description": "225 - Deluxe - Roseville - Coventry - Rosedale",
    "ProviderID": "11",
    "Route": "225"
  },
  {
    "Description": "227 - Target Shoreview - Victoria - Rosedale",
    "ProviderID": "11",
    "Route": "227"
  },
  {
    "Description": "250 - Express - St Josephs P&R - 95Av P&R - Mpls",
    "ProviderID": "8",
    "Route": "250"
  },
  {
    "Description": "252 - 95AV P&R- U of M",
    "ProviderID": "8",
    "Route": "252"
  },
  {
    "Description": "261 - Express - Shoreview - Roseville - Mpls",
    "ProviderID": "8",
    "Route": "261"
  },
  {
    "Description": "262 - Ltd Stop - 95Av P&R - Rice St - St Paul",
    "ProviderID": "8",
    "Route": "262"
  },
  {
    "Description": "263 - Express - Rice St Park and Ride - Roseville",
    "ProviderID": "8",
    "Route": "263"
  },
  {
    "Description": "264 - Express - Co Rd C Park and Ride - Roseville",
    "ProviderID": "8",
    "Route": "264"
  },
  {
    "Description": "265 - Express - White Bear Lake - Maplewood - St Paul",
    "ProviderID": "8",
    "Route": "265"
  },
  {
    "Description": "270 - Express - Mahtomedi - Maplewood - Minneapolis",
    "ProviderID": "8",
    "Route": "270"
  },
}
```

```
{
  "Description": "272 - Express - Maplewood - Roseville - U of M",
  "ProviderID": "8",
  "Route": "272"
},
{
  "Description": "275 - Express - Forest Lake-Running Aces - St Paul",
  "ProviderID": "8",
  "Route": "275"
},
{
  "Description": "288 - Express - Forest Lake - Mpls",
  "ProviderID": "8",
  "Route": "288"
},
{
  "Description": "294 - Express - Oakdale - Stillwater - St Paul",
  "ProviderID": "8",
  "Route": "294"
},
{
  "Description": "350 - Ltd Stop - Sunray - McKnight - St Paul",
  "ProviderID": "11",
  "Route": "350"
},
{
  "Description": "351 - Express - Woodbury - St Paul",
  "ProviderID": "8",
  "Route": "351"
},
{
  "Description": "353 - Express - Woodbury - St Paul - Mpls",
  "ProviderID": "8",
  "Route": "353"
},
{
  "Description": "355 - Express - Woodbury - Mpls",
  "ProviderID": "8",
  "Route": "355"
},
{
  "Description": "361 - Express - Cottage Grove - St Paul",
  "ProviderID": "8",
  "Route": "361"
},
{
  "Description": "364 - Express - Newport - Cottage Grove - St Paul",
  "ProviderID": "11",
  "Route": "364"
},
{
  "Description": "365 - Express - Cottage Grove - Mpls",
  "ProviderID": "8",
```



```
    "Description": "440 - Apple Valley-Cedar Grove-VA Hospital",
    "ProviderID": "9",
    "Route": "440"
  },
  {
    "Description": "442 - Burnsville Center-Apple Valley",
    "ProviderID": "9",
    "Route": "442"
  },
  {
    "Description": "444 - Savage-Burnsville-Mall of America",
    "ProviderID": "9",
    "Route": "444"
  },
  {
    "Description": "445 - Eagan-Cedar Grove",
    "ProviderID": "9",
    "Route": "445"
  },
  {
    "Description": "446 - Eagan-46th Street LRT",
    "ProviderID": "9",
    "Route": "446"
  },
  {
    "Description": "452 - Express - West St Paul - Mpls",
    "ProviderID": "8",
    "Route": "452"
  },
  {
    "Description": "460 - Burnsville-Minneapolis",
    "ProviderID": "9",
    "Route": "460"
  },
  {
    "Description": "464 - Savage-Burnsville-Minneapolis",
    "ProviderID": "9",
    "Route": "464"
  },
  {
    "Description": "465 - Burnsville-Minneapolis-U of M",
    "ProviderID": "9",
    "Route": "465"
  },
  {
    "Description": "467 - Express - Lakeville-Minneapolis",
    "ProviderID": "8",
    "Route": "467"
  },
  {
    "Description": "470 - Eagan-Minneapolis",
    "ProviderID": "9",
    "Route": "470"
```

```
},
{
  "Description": "472 - Eagan Blackhawk-Minneapolis",
  "ProviderID": "9",
  "Route": "472"
},
{
  "Description": "475 - Apple Valley-Cedar Grove-Mpls/U of M",
  "ProviderID": "9",
  "Route": "475"
},
{
  "Description": "476 - Palomino Hills-Minneapolis",
  "ProviderID": "9",
  "Route": "476"
},
{
  "Description": "477 - Lakeville/Apple Valley-Mpls",
  "ProviderID": "9",
  "Route": "477"
},
{
  "Description": "478 - Rosemount-Minneapolis",
  "ProviderID": "9",
  "Route": "478"
},
{
  "Description": "479 - 157th Street-Minneapolis",
  "ProviderID": "9",
  "Route": "479"
},
{
  "Description": "480 - Apple Valley/Burnsville-St Paul",
  "ProviderID": "9",
  "Route": "480"
},
{
  "Description": "484 - Rosemount-Eagan-St Paul",
  "ProviderID": "9",
  "Route": "484"
},
{
  "Description": "489 - St Paul-Eagan Rev Comm",
  "ProviderID": "9",
  "Route": "489"
},
{
  "Description": "490 - Prior Lake-Shakopee-Minneapolis",
  "ProviderID": "9",
  "Route": "490"
},
{
  "Description": "491 - Scott County-Minneapolis Rev Commute",
```

```
    "ProviderID": "9",
    "Route": "491"
  },
  {
    "Description": "492 - Prior Lake-Minneapolis Rev Commute",
    "ProviderID": "9",
    "Route": "492"
  },
  {
    "Description": "493 - Shakopee-Minneapolis",
    "ProviderID": "9",
    "Route": "493"
  },
  {
    "Description": "495 - Shakopee - MOA",
    "ProviderID": "9",
    "Route": "495"
  },
  {
    "Description": "497 - Shakopee",
    "ProviderID": "9",
    "Route": "497"
  },
  {
    "Description": "499 - Shakopee",
    "ProviderID": "9",
    "Route": "499"
  },
  {
    "Description": "515 - Southdale - 66th St - Bloomington Av - VA - MOA",
    "ProviderID": "8",
    "Route": "515"
  },
  {
    "Description": "535 - Ltd Stop - South Bloomington - Richfield - Mpls",
    "ProviderID": "8",
    "Route": "535"
  },
  {
    "Description": "537 - Norm Coll - France Av - York Av - Southdale",
    "ProviderID": "11",
    "Route": "537"
  },
  {
    "Description": "538 - Southdale - York Av - Southtown - 86th St - MOA",
    "ProviderID": "11",
    "Route": "538"
  },
  {
    "Description": "539 - Norm Coll - France Av - 98St - MOA",
    "ProviderID": "11",
    "Route": "539"
  },
}
```

```
{
  "Description": "540 - Edina - Richfield - 77th St - M0A",
  "ProviderID": "11",
  "Route": "540"
},
{
  "Description": "542 - 84th St - 76th St - American Blvd - M0A",
  "ProviderID": "11",
  "Route": "542"
},
{
  "Description": "552 - Express - 12th Av - Bloomington Av - Mpls",
  "ProviderID": "8",
  "Route": "552"
},
{
  "Description": "553 - Express - Bloomington - Portland Av - Mpls",
  "ProviderID": "8",
  "Route": "553"
},
{
  "Description": "554 - Express - Bloomington - Nicollet Av - Mpls",
  "ProviderID": "8",
  "Route": "554"
},
{
  "Description": "558 - Express - Southtown - Lyndale Av - Penn Av - Mpls",
  "ProviderID": "8",
  "Route": "558"
},
{
  "Description": "578 - Express - Edina - Southdale - Mpls",
  "ProviderID": "8",
  "Route": "578"
},
{
  "Description": "579 - Express - U of M - Southdale",
  "ProviderID": "8",
  "Route": "579"
},
{
  "Description": "587 - Express - Edina - Valley View Rd - Mpls",
  "ProviderID": "8",
  "Route": "587"
},
{
  "Description": "588 - Mpls - Normandale Lake Office Park",
  "ProviderID": "8",
  "Route": "588"
},
{
  "Description": "589 - Express - West Bloomington - Mpls",
  "ProviderID": "8",
```

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```
"Description": "663 - Express - Cedar Lake Rd - Mpls",
"ProviderID": "8",
"Route": "663"
},
{
  "Description": "664 - Express - Co Rd 3 - Excelsior Blvd - Mpls",
  "ProviderID": "8",
  "Route": "664"
},
{
  "Description": "667 - Express - Minnetonka - St Louis Park - Mpls",
  "ProviderID": "8",
  "Route": "667"
},
{
  "Description": "668 - Express - Hopkins - St Louis Park - Mpls",
  "ProviderID": "8",
  "Route": "668"
},
{
  "Description": "670 - Express - Excelsior - Mpls",
  "ProviderID": "11",
  "Route": "670"
},
{
  "Description": "671 - Express - Excelsior - Deephaven - Mpls",
  "ProviderID": "11",
  "Route": "671"
},
{
  "Description": "672 - Express - Wayzata - Minnetonka - Mpls",
  "ProviderID": "8",
  "Route": "672"
},
{
  "Description": "673 - Express - Co Rd 73 P&R - Mpls",
  "ProviderID": "8",
  "Route": "673"
},
{
  "Description": "674 - Express - Maple Plain -Orono - Wayzata - Mpls",
  "ProviderID": "8",
  "Route": "674"
},
{
  "Description": "677 - Express- Mound - Orono - Plymouth Rd - Mpls",
  "ProviderID": "8",
  "Route": "677"
},
{
  "Description": "679 - Express - Co Rd 73 - Mpls",
  "ProviderID": "8",
  "Route": "679"
```

```
},
{
  "Description": "690 - SW Transit - Express - Eden Prairie - Mpls",
  "ProviderID": "7",
  "Route": "690"
},
{
  "Description": "691 - SW Transit - Express - Eden Prairie - Mpls",
  "ProviderID": "7",
  "Route": "691"
},
{
  "Description": "692 - SW Transit - Express - Chanhassen",
  "ProviderID": "7",
  "Route": "692"
},
{
  "Description": "602 - SW Transit - Flex Route",
  "ProviderID": "7",
  "Route": "602"
},
{
  "Description": "695 - SW Transit - Express - Chaska - Chanhassen - Mpls",
  "ProviderID": "7",
  "Route": "695"
},
{
  "Description": "697 - SW Transit - Express - Carver-Chaska - Mpls",
  "ProviderID": "7",
  "Route": "697"
},
{
  "Description": "698 - SW Transit - Express - Chaska - Chanhassen - Mpls",
  "ProviderID": "7",
  "Route": "698"
},
{
  "Description": "699 - SW Transit - Express - Chaska - Mpls",
  "ProviderID": "7",
  "Route": "699"
},
{
  "Description": "705 - Starlite - Winnetka Av",
  "ProviderID": "11",
  "Route": "705"
},
{
  "Description": "716 - Zane Av - 63rd Av - Crystal - Robbinsdale",
  "ProviderID": "11",
  "Route": "716"
},
{
  "Description": "717 - Brooklyn Center - Robbinsdale-Plymouth",
```

```
    "ProviderID": "11",
    "Route": "717"
  },
  {
    "Description": "721 - Ltd Stop - Brooklyn Center - New Hope - Mpls",
    "ProviderID": "8",
    "Route": "721"
  },
  {
    "Description": "722 - Brooklyn Ctr - Humboldt Av N - Shingle Creek Pkwy",
    "ProviderID": "8",
    "Route": "722"
  },
  {
    "Description": "723 - Starlite - North Henn Comm College - Brooklyn Ctr",
    "ProviderID": "8",
    "Route": "723"
  },
  {
    "Description": "724 - Ltd Stop - Target Campus - Starlite - Brooklyn Ctr",
    "ProviderID": "8",
    "Route": "724"
  },
  {
    "Description": "740 - Plymouth - Fernbrook Ln - Xenium Ln",
    "ProviderID": "10",
    "Route": "740"
  },
  {
    "Description": "741 - Plymouth - Annapolis - Campus Dr - Station 73",
    "ProviderID": "10",
    "Route": "741"
  },
  {
    "Description": "742 - Plymouth - Express - Bass Lake Rd",
    "ProviderID": "10",
    "Route": "742"
  },
  {
    "Description": "747 - Plymouth - Express - Station 73 - Mpls",
    "ProviderID": "10",
    "Route": "747"
  },
  {
    "Description": "755 - Ltd Stop - Hwy 55 - Golden Valley Rd - Winnetka Av",
    "ProviderID": "8",
    "Route": "755"
  },
  {
    "Description": "756 - Express- Hwy 55 - Mendelssohn Rd - Boone Av",
    "ProviderID": "8",
    "Route": "756"
  },
}
```



```
{
  "Description": "758 - Express - Douglas - MnDot P&R - Noble - Mpls",
  "ProviderID": "8",
  "Route": "758"
},
{
  "Description": "760 - Express - Zane Av - 63rd Av - 65th Av P&R - Mpls",
  "ProviderID": "8",
  "Route": "760"
},
{
  "Description": "761 - Express - Brooklyn Park - Xerxes - 49th Av - Mpls",
  "ProviderID": "8",
  "Route": "761"
},
{
  "Description": "762 - Ltd Stop - Brooklyn Ctr - North Mpls - Mpls",
  "ProviderID": "8",
  "Route": "762"
},
{
  "Description": "763 - Express - 85th Av - Brookdale Dr - Humboldt - Mpls",
  "ProviderID": "8",
  "Route": "763"
},
{
  "Description": "764 - Express - Winnetka Av - 42nd Av - Mpls",
  "ProviderID": "8",
  "Route": "764"
},
{
  "Description": "765 - Express - Target - Hwy 252 and 73rd Av P&R - Mpls",
  "ProviderID": "8",
  "Route": "765"
},
{
  "Description": "766 - Express - Champlin - West River Rd",
  "ProviderID": "8",
  "Route": "766"
},
{
  "Description": "767 - Express - 63rd Av P&R - 65th Av P&R - Mpls",
  "ProviderID": "8",
  "Route": "767"
},
{
  "Description": "768 - Express - Noble P&R - Downtown",
  "ProviderID": "8",
  "Route": "768"
},
{
  "Description": "771 - Plymouth - SW Plymouth - Station 73",
  "ProviderID": "10",
```

```
"Route": "771"
},
{
  "Description": "772 - Plymouth - Express - Station 73",
  "ProviderID": "10",
  "Route": "772"
},
{
  "Description": "774 - Plymouth - Express - Station 73",
  "ProviderID": "10",
  "Route": "774"
},
{
  "Description": "776 - Plymouth - Express - Southwest Plymouth",
  "ProviderID": "10",
  "Route": "776"
},
{
  "Description": "777 - Plymouth - Express - NW Plymouth - Station 73",
  "ProviderID": "10",
  "Route": "777"
},
{
  "Description": "780 - Maple Grove - Express - Shepherd of the Grove P&R",
  "ProviderID": "12",
  "Route": "780"
},
{
  "Description": "781 - Maple Grove - Express - Maple Grove Station",
  "ProviderID": "12",
  "Route": "781"
},
{
  "Description": "782 - Maple Grove - Express - Zachary and 96th Av P&R",
  "ProviderID": "12",
  "Route": "782"
},
{
  "Description": "783 - Maple Grove - Express - Crosswinds Church P&R",
  "ProviderID": "12",
  "Route": "783"
},
{
  "Description": "785 - Maple Grove - Express - Parkway Station",
  "ProviderID": "12",
  "Route": "785"
},
{
  "Description": "787 - Maple Grove - Midday Shuttle - Flex Route",
  "ProviderID": "12",
  "Route": "787"
},
},
{
```

```
"Description": "788 - Maple Grove - Bass Lake Rd - Crosswinds Church P&R",
"ProviderID": "12",
"Route": "788"
},
{
  "Description": "789 - Maple Grove - U of M",
  "ProviderID": "12",
  "Route": "789"
},
{
  "Description": "790 - Plymouth - Express - Cub Foods - Four Seasons",
  "ProviderID": "10",
  "Route": "790"
},
{
  "Description": "791 - Plymouth - Shuttle - Larch Ln - Four Seasons",
  "ProviderID": "10",
  "Route": "791"
},
{
  "Description": "793 - Plymouth - Express - Cub Foods - Four Seasons",
  "ProviderID": "10",
  "Route": "793"
},
{
  "Description": "795 - Plymouth - Express - Midday - Northeast Plymouth",
  "ProviderID": "10",
  "Route": "795"
},
{
  "Description": "801 - Brooklyn Ctr - Columbia Heights - Rosedale",
  "ProviderID": "11",
  "Route": "801"
},
{
  "Description": "805 - Anoka Traveler - Anoka - Coon Rapids - Northtown",
  "ProviderID": "11",
  "Route": "805"
},
{
  "Description": "812 - Medtronic HQ Shuttle",
  "ProviderID": "11",
  "Route": "812"
},
{
  "Description": "813 - Medtronic Rice Creek - Cummins Shuttle",
  "ProviderID": "11",
  "Route": "813"
},
{
  "Description": "814 - BAE Systems Shuttle",
  "ProviderID": "11",
  "Route": "814"
```

```
},
{
  "Description": "815 - Mercy Hospital Unity Campus",
  "ProviderID": "11",
  "Route": "815"
},
{
  "Description": "824 - Ltd Stop - Northtown - Monroe - University - Mpls",
  "ProviderID": "8",
  "Route": "824"
},
{
  "Description": "825 - Ltd Stop - Northtown - St. Anthony - Mpls",
  "ProviderID": "8",
  "Route": "825"
},
{
  "Description": "831 - Anoka Traveler - 117th Av - Polk - Northtown",
  "ProviderID": "11",
  "Route": "831"
},
{
  "Description": "850 - Express - Riverdale P&R - Foley P&R - Mpls",
  "ProviderID": "8",
  "Route": "850"
},
{
  "Description": "852 - Express - Anoka - Coon Rapids - Northtown - Mpls",
  "ProviderID": "8",
  "Route": "852"
},
{
  "Description": "854 - Express - Paul Pkwy - Northdale - Northtown - Mpls",
  "ProviderID": "8",
  "Route": "854"
},
{
  "Description": "860 - Express - Riverdale - Northtown - St Paul",
  "ProviderID": "8",
  "Route": "860"
},
{
  "Description": "865 - Express - Blaine",
  "ProviderID": "8",
  "Route": "865"
},
{
  "Description": "887 - Express - St Cloud Link",
  "ProviderID": "3",
  "Route": "887"
},
{
  "Description": "888 - Northstar-Big Lk-Elk Rv-Anoka-Coon Rp-Mpls",
```

```
    "ProviderID": "8",
    "Route": "888"
  },
  {
    "Description": "906 - Light Rail Shuttle - Lindbergh - Humphrey",
    "ProviderID": "2",
    "Route": "906"
  },
  {
    "Description": "921 - A Line Roseville-St Paul-Minneapolis",
    "ProviderID": "8",
    "Route": "921"
  }
]
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/Stops/{ROUTE}/{DIRECTION}

Implementation Notes

Returns a list of Timepoint stops for the given Route/Direction.

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
ROUTE	<input type="text" value="724"/>	Specify the Route ID as an integer.	path	integer
DIRECTION	<input type="text" value="4"/>	Specify the direction as an integer. 1	path	integer

Parameter	Value	Description	Parameter Type	Data Type
		(South), 2 (East), 3 (West), 4 (North)		

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/Stops/724'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/Stops/724/4
```

Response Body

```
[
  {
    "Text": "9th Ave and 7th St",
```

```
"Value": "9A7S"
},
{
  "Text": "7th St and Nicollet Mall",
  "Value": "7SNI"
},
{
  "Text": "Dowling Ave and Fremont Ave ",
  "Value": "FRD0"
},
{
  "Text": "Osseo Rd and 47th Ave ",
  "Value": "470S"
},
{
  "Text": "Brooklyn Center Transit Center",
  "Value": "BCTC"
},
{
  "Text": "Zane Ave and 63rd Ave ",
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

GET /NexTrip/VehicleLocations/{ROUTE}

Implementation Notes

This operation returns a list of vehicles currently in service that have recently (within 5 minutes) reported their locations. A route paramter is used to return results for the given route. Use "0" for the route parameter to return a list of all vehicles in service.

Response Class (Status 200)

Successful response

Model	Example Value
-------	---------------

```
{
  "code": 0,
  "message": "string",
  "fields": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
ROUTE	<input type="text" value="724"/>	Sepecify the Route ID as an integer.	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token, or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X GET --header 'Accept: application/json' 'http://svc.metrotransit.org/NexTrip/VehicleLocations/724'
```

Request URL

```
http://svc.metrotransit.org/NexTrip/VehicleLocations/724
```

Response Body

```
[
  {
    "Bearing": 270,
```



```
"BlockNumber": 1149,
"Direction": 1,
"LocationTime": "/Date(1508791688000-0500)/",
"Odometer": 0,
"Route": "724",
"Speed": 0.00000517809349,
"Terminal": "",
"VehicleLatitude": 45.12338,
"VehicleLongitude": -93.37752
},
{
  "Bearing": 180,
  "BlockNumber": 1437,
  "Direction": 1,
  "LocationTime": "/Date(1508791668000-0500)/",
  "Odometer": 0,
  "Route": "724",
  "Speed": 0,
  "Terminal": "D",
  "VehicleLatitude": 44.97226,
  "VehicleLongitude": -93.2596
},
{
  "Bearing": 270,
  "BlockNumber": 1438,
  "Direction": 4,
  "LocationTime": "/Date(1508791688000-0500)/",
  "Odometer": 0,
  "Route": "724",
  "Speed": 0,
  "Terminal": "",
  "VehicleLatitude": 45.09353,
  "VehicleLongitude": -93.3801
},
{
  "Bearing": 180,
  "BlockNumber": 1517,
  "Direction": 1,
  "LocationTime": "/Date(1508791704000-0500)/",
  "Odometer": 0,
  "Route": "724",
  "Speed": 0.000008630155,
  "Terminal": "D",
  "VehicleLatitude": 44.9924,
  "VehicleLongitude": -93.28484
},
{
  "Bearing": 90,
  "BlockNumber": 2133,
  "Direction": 1,
  "LocationTime": "/Date(1508791682000-0500)/",
  "Odometer": 0,
  "Route": "724",
```

```
    "Speed": 0.00000258904674,
    "Terminal": "",
    "VehicleLatitude": 45.06925,
    "VehicleLongitude": -93.32466
  },
  {
    "Bearing": 0,
    "BlockNumber": 2138,
    "Direction": 4,
    "LocationTime": "/Date(1508791663000-0500)/",
    "Odometer": 0,
    "Route": "724",
    "Speed": 0.00000258904674,
    "Terminal": "",
    "VehicleLatitude": 45.08666,
    "VehicleLongitude": -93.35613
  },
  {
    "Bearing": 270,
    "BlockNumber": 2139,
```

Response Code

200

Response Headers

```
{
  "cache-control": "private",
  "content-type": "application/json; charset=utf-8"
}
```

Bus Route Info

POST /NexTrip/update/{ROUTE}

Implementation Notes

Update a bus route

Response Class (Status 200)

Successful response

Model | Example Value

```
{
  "code": 0,
  "Route": 0,
  "ProviderID": 0,
  "Description": "string"
}
```

Response Content Type

Parameters

Parameter	Value	Description	Parameter Type	Data Type
ROUTE	<input type="text" value="724"/>	Sepecify the Route ID as an integer.	path	integer

Response Messages

HTTP Status Code	Reason	Response Model	Headers
401	Unknown User, Not Authenticated	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
403	Not Authorized. Expired or Missing Access Token. Or Access Token lacks the scope of entitlement required	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
429	Transaction Volume Quota Exceeded, try again in 1 minute.	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	
500	Incomplete Request or Server Error	Model Example Value <div><pre>{ "code": 0, "message": "string", "fields": "string" }</pre></div>	

Try it out!

[Hide Response](#)

Curl

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept: application/json' 'ht
```

Request URL

```
http://svc.metrotransit.org/NexTrip/update/724
```

Response Body

```
no content
```

Response Code

```
0
```

Response Headers

```
{  
  "error": "no response from server"  
}
```

[BASE URL: / , API VERSION: BETA]