

Transit Time API Guide

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Considerations

HTTP verbs

The Transit Time API follows standard HTTP and REST conventions in its use of HTTP verbs. Only the **GET** is used for this service.

Verb	Usage
GET	Used calculate the number of service days for a shipment.

API Key

Requests to retrieve shipment pickup information require authentication using an API key as a URI query parameter. See example request below.

Transit Time Syntax/Example

https://api.averittexpress.com/shipments/transit-time/origin-states/TN/origin-cities/COOKEVILLE/origin-zip-codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-zip-codes/37405?api_key=12345abc55d12345678d123d04a555c9&pickupMonth=08&pickupDay=7&pickupYear=2020

Syntax Element	Description
https://	The api requires the https protocol.
api.averittexpress.com	This is the host for all of the Averitt Express rest based API's.
shipments/transit-time/origin-states/TN/origin-cities/COOKEVILLE/origin-zip-codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-zip-codes/37405	This is the path to the Transit Time API with required path parameters examples for the origin and destination locations.
api_key=	This is a required parameter. The api_key is specific to the user and is used for authentication.
pickupMonth=	This is an optional parameter. The integer month (1-12) the shipment will be picked up.
pickupDay=	This is an optional parameter. The integer day (1-31) the shipment will be picked up.
pickupYear=	This is an optional parameter. The integer year (YYYY) the shipment will be picked up.

Path Parameters

Table 1. `/shipments/transit-time/origin-states/{originState}/origin-cities/{originCity}/origin-zip-codes/{originZip}/dest-states/{destState}/dest-cities/{destCity}/dest-zip-codes/{destZip}`

Parameter	Description
<code>originCity</code>	The city where the shipment will be picked up from. Required. Max size 20.
<code>originState</code>	The state where the shipment will be picked up from. Required. Max size 2.
<code>originZip</code>	The zip where the shipment will be picked up from. Required. Max size 6.
<code>destCity</code>	The city where the shipment will be dropped off. Required. Max size 20.
<code>destState</code>	The state where the shipment will be dropped off. Required. Max size 2.
<code>destZip</code>	The zip where the shipment will be dropped off. Required. Max size 6.

Query Parameters

Parameter	Description
<code>pickupMonth</code>	The integer month (1-12) the shipment will be picked up. Optional. Defaults to the current month if pickup month, day or year is omitted or is invalid.
<code>pickupDay</code>	The integer day (1-31) the shipment will be picked up. Optional. Defaults to the current day if pickup month, day or year is omitted or is invalid.
<code>pickupYear</code>	The integer year (YYYY) the shipment will be picked up. Optional. Defaults to the current year if pickup month, day or year is omitted or is invalid.

Example HTTP & CURL Requests

```
GET /shipments/transit-time/origin-states/TN/origin-cities/COOKEVILLE/origin-zip-
codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-zip-
codes/37405?pickupMonth=8&pickupDay=15&pickupYear=2020 HTTP/1.1
Accept: application/json
Host: api.averittexpress.com
```

```
$ curl 'https://api.averittexpress.com/shipments/transit-time/origin-states/TN/origin-
cities/COOKEVILLE/origin-zip-codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-
zip-codes/37405?pickupMonth=8&pickupDay=15&pickupYear=2020' -i \
-H 'Accept: application/json'
```

Response Body

The information returned is either the calculated transit time or a message explaining an error.

Example of a successful response (HTTP Status 201)

```
{
  "originCity" : "COOKEVILLE",
  "originState" : "TN",
  "originZip" : "38501",
  "originServiceCenter" : "COOKEVILLE SERVICE CENTER",
  "destCity" : "CHATTANOOGA",
  "destState" : "TN",
  "destZip" : "37405",
  "destServiceCenter" : "CHATTANOOGA SERVICE CTR",
  "pickupDate" : "2020-08-15",
  "directShipment" : "yes",
  "estimatedDays" : "1",
  "estimatedDeliveryDate" : "2020-08-18",
  "comment" : ""
}
```

Response Fields

Path	Type	Description
originCity	String	The city where the shipment will be picked up from. Max size 20.
originState	String	The state where the shipment will be picked up from. Max size 2.
originZip	String	The zip where the shipment will be picked up from. Max size 6.
destCity	String	The city where the shipment will be dropped off. Max size 20.
destState	String	The state where the shipment will be dropped off. Max size 2.
destZip	String	The zip where the shipment will be dropped off. Max size 6.
pickupDate	String	The pickup date used in this calculation. YYYY-MM-DD

Path	Type	Description
originServiceCenter	String	The service center where the shipment will originate from. Max size 25.
destServiceCenter	String	The service center where the shipment will be dropped off. Max size 25.
directShipment	String	Whether or not the shipment stays within the Averitt LTL network (origin and destination service centers are both Averitt service centers). yes or no
estimatedDays	String	The estimated amount of days it will take the shipment to arrive at the destination. Integer.
estimatedDeliveryDate	String	The estimated delivery date the shipment will arrive at the destination. YYYY-MM-DD
comment	String	A comment on the shipment. Max size 50.

HTTP status codes

Status code	Meaning
201 Created	The data was valid.
404 Not Found	The data was incorrect or missing.

Errors

A **404 Not Found** response will be returned when...

an incorrect address is used

E.g.

```
GET /shipments/transit-time/origin-states/TN/origin-cities/CINCINNATI/origin-zip-codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-zip-codes/37405?pickupMonth=8&pickupDay=15&pickupYear=2020 HTTP/1.1
Accept: application/json
Host: api.averitexpress.com
```

```
HTTP/1.1 404 Not Found
Content-Type: application/json;charset=UTF-8
Content-Length: 76
```

```
{
  "message" : "Transit time not found. Make sure the locations exist."
}
```

or there is missing data

E.g.

```
GET /shipments/transit-time/origin-states/TN/origin-cities/COOKEVILLE/origin-zip-codes/38501/dest-states/TN/dest-cities/CHATTANOOGA/dest-zip-codes/?pickupMonth=8&pickupDay=15&pickupYear=2020 HTTP/1.1
Accept: application/json
Host: api.averitexpress.com
```

```
HTTP/1.1 404 Not Found
```