

LTL Pickup Request API Guide

Table of Contents

Considerations	1
Example HTTP & CURL Requests	2
Request Body	4
Response Body	4
Example of a successful response (HTTP Status 201)	4
Request Fields	5
Response Fields	7
HTTP status codes	8
Errors	9

Considerations

HTTP verbs

The LTL Pickup Request API follows standard HTTP and REST conventions in its use of HTTP verbs. Only the **POST** is used for this service.

Verb	Usage
POST	Used to create LTL pickup request.

API Key

Requests to create a LTL Pickup Request require authentication using an API key as a URI query parameter. See example request below.

LTL Pickup Request Syntax/Example

https://api.averittexpress.com/shipments/ltl/pickups?api_key=12345abc55d12345678d123d04a555c9

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/ltl/pickups	This is the path to the LTL Pickup Request API.
api_key=	This is a required parameter. The api_key is specific to the user and is used for authentication.

Example HTTP & CURL Requests

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
```

```
Content-Type: application/json
```

```
Accept: application/json
```

```
Content-Length: 839
```

```
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
$ curl 'https://api.averittexpress.com/shipments/ltl/pickups?api_key=0000000000' -i -X
POST \
  -H 'Content-Type: application/json' \
  -H 'Accept: application/json' \
  -d '{
"requestorName" : "Andy Averitt",
"requestorPhone" : "8002837488",
"shipperInformation" : {
  "contact" : "Andy Averitt",
  "customerAccountNumber" : "",
  "company" : "My Company Name",
  "address1" : "1234 My Company Way",
  "address2" : "",
  "zip" : "37405",
  "state" : "TN",
  "city" : "Chattanooga",
  "phone" : "8002837488",
  "email" : "aaveritt@averittexpress.com",
  "requestedPickupDate" : "2020-10-11",
  "readyTime" : "16:00:00",
  "shippingDeptClosingTime" : "17:00:00"
},
"shipmentDetails" : [ {
  "destinationZipCode" : "38501",
  "pieces" : "1",
  "handlingUnits" : "SK",
  "weight" : "100",
  "hazardous" : false
} ],
"paymentType" : "PREPAID",
"purchaseOrderNumber" : "",
"comments" : "test please cancel test",
"requestType" : ""
}'
```

Request Body

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

Response Body

The payload returned includes the LTL pickup request number for the created LTL pickup request and any additional comments OR an error message if the request was not successful.

Example of a successful response (HTTP Status 201)

```
{
  "pickupNumber" : "6666991",
  "comment" : ""
}
```

Request Fields

Path	Type/Required/Size	Description
requestorName	String Required 30 Max	The name of the user creating the pickup request.
requestorPhone	String Required 10 Max	The phone number of the user creating the pickup request. Must be all digits.
shipperInformation	Object Required N/A - object identifier	Marks that start of a JSON object that contains information about the shipper.
shipperInformation.contact	String Required 30 Max	The name of the contact for the shipper company.
shipperInformation.customerAccountNumber	String Optional 7 Max/Min	The 7 digit Averitt account number for the shipper company. Either this Customer Account Number or the Company Name with all Address fields are required. If the Customer Account Number is supplied then the Company Name and all address fields are optional as the Company Name and address will be retrieved from Averitt's database based on the supplied account number. If the Customer Account Number is not supplied then the Company Name and Address is required. If both the Customer Account Number and address information is supplied then the supplied Company Name and address must exactly match what Averitt has on record. Note that your averittexpress.com username, that is associated with your api key, must have access to this account number.
shipperInformation.company	String Conditional 30 Max	The shipper company. Not required if Customer Account Number is supplied.
shipperInformation.address1	String Conditional 30 Max	The first address line for the shipper. Not required if Customer Account Number is supplied.
shipperInformation.address2	String Conditional 30 Max	The second address line for the shipper. Not required if Customer Account Number is supplied.

Path	Type/Required/Size	Description
shipperInformation.zip	String Conditional 6 Max	The zip code for the shipper. Not required if Customer Account Number is supplied.
shipperInformation.state	String Conditional 2 Max/Min	The state for the shipper. Not required if Customer Account Number is supplied.
shipperInformation.city	String Conditional 20 Max	The city for the shipper. Not required if Customer Account Number is supplied.
shipperInformation.phone	String Required 10 Max	The phone number for the shipper. Must be all digits.
shipperInformation.email	String Required 75 Max	The email address for the shipper. Must be a valid email address format.
shipperInformation.requestedPickupDate	String Required yyyy-MM-dd	The date requested for the pickup (yyyy-MM-dd ISO 8601 format). Must be a valid date. Must not be a date in the past (CDT) and can only be a max of 7 days in the future.
shipperInformation.readyTime	String Required HH:mm:ss	The time the shipment will be ready for pickup (HH:mm:ss format). Must be a valid time. Ready Time cannot be after Closing Time.
shipperInformation.shippingDeptClosingTime	String Required HH:mm:ss	The time that the shipping department closes (HH:mm:ss format). Must be a valid time. Ready Time cannot be after Closing Time.
shipmentDetails	String Required N/A - array identifier	Marks the start of an array containing details about each of the shipments. There must be at least one item in the array.
shipmentDetails[].destinationZipCode	String Required 6 Max	The destination zip code for the shipment.
shipmentDetails[].pieces	String Required 999999 is Max value	The number of pieces in the shipment to be picked up.

Path	Type/Required/Size	Description
shipmentDetails[].handlingUnits	String Required see valid values	The handling unit type (SK = Skids or pallets, DR = Drums, BX = Cartons and boxes, or PC = Pieces and Other).
shipmentDetails[].weight	String Required 9999999.99 is Max value	The weight of the shipment.
shipmentDetails[].hazardous	Boolean Required true or false	If the shipment is hazardous or not (true or false)
paymentType	String Required COLLECT or PREPAID	The payment type for the shipment (COLLECT or PREPAID).
purchaseOrderNumber	String Optional 20 Max	The account-dependent purchase order number, if available.
comments	String Optional 100 Max	The comments about the shipment.
requestType	String Optional N/A	This field is reserved for future use by Averitt.

Response Fields

Path	Type	Description
pickupNumber	String	The LTL pickup number that was created for this pickup request.
comment	String	Any additional comments.
message	String	A message explaining the error.

HTTP status codes

Status code	Meaning
201 Created	The LTL pickup request has been created successfully
422 Unprocessable Entity	The data was not successfully saved to the database
404 Not Found	The request finished but the LTL pickup request is blank
500 Internal Server Error	There was an unexpected error somewhere in the backend

Errors

A **422 Unprocessable Entity** response will be returned when...

there is missing data from the request body payload

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 828
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 42
```

```
{
  "message" : "City cannot be blank"
}
```

or an invalid value for customer account number is used
E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 846
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "0000000",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

HTTP/1.1 422 Unprocessable Entity

Content-Type: application/json

Content-Length: 134

```
{
  "message" : "The Account Number supplied (1162541) is not an authorized account for
the user key (profileId = 7430) provided."
}
```

or an invalid value for email is used

E.g.

POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1

Content-Type: application/json

Accept: application/json

Content-Length: 812

Host: api.averittexpress.com

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 47
```

```
{
  "message" : "Shipper email is required"
}
```

or an invalid value for phone number is used

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 837
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "12345678",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 84
```

```
{
  "message" : "Requestor phone number is invalid. Enter a valid phone number."
}
```

or an invalid value for time format is used
E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 833
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : null,
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 53
```

```
{
  "message" : "Shipper ready time is required."
}
```

or an invalid value for date format is used

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 831
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : null,
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```



```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 64
```

```
{
  "message" : "Shipper requested pickup date is required."
}
```

or the comment is too long

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 919
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et.",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 76
```

```
{
  "message" : "You entered more than 100 characters for the comments."
}
```

or an invalid value for handling units is used

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 841
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "blah",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 89
```

```
{
  "message" : "Shipment handling units must be one of the following: (SK|DR|BX|PC)"
}
```

or an invalid value for payment type is used

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 847
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "notapaymenttype",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 95
```

```
{
  "message" : "Payment type required and must be one of the following:
(COLLECT|PREPAID)"
}
```

or an invalid value for pieces is used
E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 839
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "0",
    "handlingUnits" : "SK",
    "weight" : "100",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

```
HTTP/1.1 422 Unprocessable Entity
Content-Type: application/json
Content-Length: 61
```

```
{
  "message" : "Pieces must be a number greater than 0."
}
```

or an invalid value for weight is used

E.g.

```
POST /shipments/ltl/pickups?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 837
Host: api.averittexpress.com
```

```
{
  "requestorName" : "Andy Averitt",
  "requestorPhone" : "8002837488",
  "shipperInformation" : {
    "contact" : "Andy Averitt",
    "customerAccountNumber" : "",
    "company" : "My Company Name",
    "address1" : "1234 My Company Way",
    "address2" : "",
    "zip" : "37405",
    "state" : "TN",
    "city" : "Chattanooga",
    "phone" : "8002837488",
    "email" : "aaveritt@averittexpress.com",
    "requestedPickupDate" : "2020-10-11",
    "readyTime" : "16:00:00",
    "shippingDeptClosingTime" : "17:00:00"
  },
  "shipmentDetails" : [ {
    "destinationZipCode" : "38501",
    "pieces" : "1",
    "handlingUnits" : "SK",
    "weight" : "0",
    "hazardous" : false
  } ],
  "paymentType" : "PREPAID",
  "purchaseOrderNumber" : "",
  "comments" : "test please cancel test",
  "requestType" : ""
}
```

HTTP/1.1 422 Unprocessable Entity

Content-Type: application/json

Content-Length: 61

```
{  
  "message" : "Weight must be a number greater than 0."  
}
```