

LTL Rate Quote API Guide

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Considerations

HTTP verbs

The LTL Rate Quote 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 rate quote.

API Key

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

LTL Rate Quote Syntax/Example

https://api.averittexpress.com/rate-quotes/ltl?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
/rate-quotes/ltl	This is the path to the LTL Rate Quote API.
api_key=	This is a required parameter. The api_key is specific to the user and is used for authentication.

Terms & Conditions

LTL Rate Quote

PLEASE NOTE THE FOLLOWING CONDITIONS of LTL QUOTES

- Quote is based on current fuel surcharge.
- Unless specifically noted otherwise, the governing provisions published in the AVRT 100, AVRT 115, AVRT 116, and NMF 100 in effect at the time of shipment will apply.
- Reference Quote Confirmation Number on the bill of lading.
- Quote is an estimation of freight charges based on information provided.
- Freight charges may differ from quote if shipment characteristics do not match quote.
- Quote will not apply to shipments that qualify for cubic capacity or linear foot provisions.

To schedule a pickup you can utilize the ltl pickup request api or call 800-283-7488 to speak to an associate. Please reference your quote number when scheduling your pickup.

Example HTTP & CURL Requests

This is an example that shows the minimum fields required in a LTL Rate Quote request.

```
POST /rate-quotes/ltl?api_key=0000000000 HTTP/1.1
Content-Type: application/json
Accept: application/json
Content-Length: 311
Host: api.averittexpress.com
```

```
{
  "accountNumber" : "1234567",
  "customerType" : "Shipper",
  "destinationCity" : "HAYMOND",
  "destinationState" : "TX",
  "destinationZip" : "79842",
  "paymentType" : "Prepaid",
  "shipmentInfo" : {
    "items" : [ {
      "shipmentClass" : "50",
      "shipmentWeight" : "2200"
    } ]
  }
}
```

```
$ curl 'https://api.averittexpress.com/rate-quotes/ltl?api_key=0000000000' -i -X POST \
  -H 'Content-Type: application/json' \
  -H 'Accept: application/json' \
  -d '{
"accountNumber" : "1234567",
"customerType" : "Shipper",
"destinationCity" : "HAYMOND",
"destinationState" : "TX",
"destinationZip" : "79842",
"paymentType" : "Prepaid",
"shipmentInfo" : {
  "items" : [ {
    "shipmentClass" : "50",
    "shipmentWeight" : "2200"
  } ]
}
}'
```

Request Body

This is an example that shows all possible request input fields and two line items.

```
{
  "accountNumber" : "1234567",
  "customerType" : "Shipper",
  "originCity" : "Duluth",
  "originState" : "GA",
  "originZip" : "30097",
  "destinationCity" : "HAYMOND",
  "destinationState" : "TX",
  "destinationZip" : "79842",
  "shipDate" : "2025-04-05",
  "paymentType" : "Prepaid",
  "shipmentInfo" : {
    "items" : [ {
      "shipmentClass" : "60",
      "shipmentWeight" : "100",
      "nmfcNumber" : "2070-A",
      "nmfcSubNumber" : "11"
    }, {
      "shipmentClass" : "50",
      "shipmentWeight" : "2200"
    } ],
    "accessorials" : {
      "arrivalNotify" : true,
      "conventionCenterDelivery" : false,
      "constructionSiteDelivery" : true,
      "insideDelivery" : false,
      "liftgate" : true,
      "hazmat" : false,
      "residentialDelivery" : false,
      "nonCommercialPickupDelivery" : false,
      "securityInspection" : true
    },
    "numPieces" : "44",
    "numHandlingUnits" : "2",
    "cubicFeet" : "23.23",
    "density" : "14.58",
    "overLength" : "OVL12",
    "additionalCargoLiability" : "1234.56"
  },
  "deliveryOption" : "Standard"
}
```

Response Body

The payload returned includes the rate quote number and additional information.

Example of a successful response (Standard Delivery Option),

```
{
  "quoteLocations" : {
    "originCity" : "Duluth",
    "originState" : "GA",
    "originZip" : "30097",
    "originServiceCenter" : "ATLANTA EAST (NOR)",
    "destinationCity" : "HAYMOND",
    "destinationState" : "TX",
    "destinationZip" : "79842",
    "destinationServiceCenter" : "MIDLAND ODESSA SERVICE CE"
  },
  "quoteDetails" : {
    "rateQuoteNumber" : "1122334455",
    "deliveryOption" : "Standard",
    "totalCharge" : "0.00",
    "subtotal" : "0.00",
    "deficitCharge" : "0.00",
    "discountAmount" : "0.00",
    "fuelSurcharge" : "0.00",
    "accountNumber" : "1234567",
    "paymentType" : "Prepaid",
    "customerType" : "Shipper",
    "shipDate" : "2025-04-05",
    "numPieces" : "44",
    "numHandlingUnits" : "2",
    "cubicFeet" : "23.23",
    "density" : "14.58",
    "estimatedServiceDays" : "11",
    "estimatedDeliveryDate" : "2025-04-22"
  },
  "commodities" : [ {
    "shipmentClass" : "Class 60 (Rated as Class 50.0)",
    "shipmentWeight" : "100",
    "rate" : "0.00",
    "charge" : "0.00"
  }, {
    "shipmentClass" : "Class 50 (Rated as Class 50.0)",
    "shipmentWeight" : "2200",
    "rate" : "0.00",
    "charge" : "0.00"
  } ],
  "quoteInformation" : [ {
    "description" : "Total Weight",
    "value" : "0.00"
  } ]
}
```

```

}, {
  "description" : "Discount Factor",
  "value" : "0.00"
}, {
  "description" : "Additional Cargo Liability",
  "value" : "0.00"
}, {
  "description" : "Tariff",
  "value" : "CZARLITE "
}, {
  "description" : "Rate Base",
  "value" : "0.00"
}, {
  "description" : "Gross Minimum",
  "value" : "0.00"
}, {
  "description" : "Quote Date/Time",
  "value" : "2025-04-04T16:00:52"
} ],
"accessorialCharges" : [ {
  "description" : "Additional Cargo Liability Charge",
  "value" : "0.00"
}, {
  "description" : "Construction Site Delivery",
  "value" : "0.00"
}, {
  "description" : "Security Inspection",
  "value" : "0.00"
}, {
  "description" : "Over Length Charge 12-16 feet",
  "value" : "0.00"
}, {
  "description" : "Arrival Notify",
  "value" : "0.00"
}, {
  "description" : "Liftgate",
  "value" : "0.00"
} ]
}

```

Example of a successful response (Guaranteed By 5 PM Delivery Option),

```
{
  "quoteLocations" : {
    "originCity" : "Duluth",
    "originState" : "GA",
    "originZip" : "30097",
    "originServiceCenter" : "ATLANTA EAST (NOR)",
    "destinationCity" : "Northport",
    "destinationState" : "AL",
    "destinationZip" : "35475",
    "destinationServiceCenter" : "BIRMINGHAM SERVICE CENTER"
  },
  "quoteDetails" : {
    "rateQuoteNumber" : "1122334455",
    "deliveryOption" : "GuaranteedBy5",
    "totalCharge" : "0.00",
    "subtotal" : "0.00",
    "deficitCharge" : "0.00",
    "discountAmount" : "0.00",
    "fuelSurcharge" : "0.00",
    "accountNumber" : "1234567",
    "paymentType" : "Prepaid",
    "customerType" : "Shipper",
    "shipDate" : "2025-04-05",
    "numPieces" : "44",
    "numHandlingUnits" : "2",
    "cubicFeet" : "23.23",
    "density" : "14.58",
    "estimatedServiceDays" : "1",
    "estimatedDeliveryDate" : "2025-04-08"
  },
  "commodities" : [ {
    "shipmentClass" : "Class 60 (Rated as Class 50.0)",
    "shipmentWeight" : "100",
    "rate" : "0.00",
    "charge" : "0.00"
  }, {
    "shipmentClass" : "Class 50 (Rated as Class 50.0)",
    "shipmentWeight" : "2200",
    "rate" : "0.00",
    "charge" : "0.00"
  } ],
  "quoteInformation" : [ {
    "description" : "Total Weight",
    "value" : "0.00"
  }, {
    "description" : "Discount Factor",
    "value" : "0.00"
  }, {
```

```
"description" : "Additional Cargo Liability",
"value" : "0.00"
}, {
  "description" : "Tariff",
  "value" : "CZARLITE "
}, {
  "description" : "Rate Base",
  "value" : "0.00"
}, {
  "description" : "Gross Minimum",
  "value" : "0.00"
}, {
  "description" : "Quote Date/Time",
  "value" : "2025-04-04T16:01:02"
} ],
"accessorialCharges" : [ {
  "description" : "Additional Cargo Liability Charge",
  "value" : "0.00"
} ]
}
```

Example of a successful response (Guaranteed By Noon Delivery Option),

```
{
  "quoteLocations" : {
    "originCity" : "Duluth",
    "originState" : "GA",
    "originZip" : "30097",
    "originServiceCenter" : "ATLANTA EAST (NOR)",
    "destinationCity" : "JACKSONVILLE",
    "destinationState" : "FL",
    "destinationZip" : "32222",
    "destinationServiceCenter" : "JACKSONVILLE SERVICE CTR"
  },
  "quoteDetails" : {
    "rateQuoteNumber" : "1122334455",
    "deliveryOption" : "GuaranteedByNoon",
    "totalCharge" : "0.00",
    "subtotal" : "0.00",
    "deficitCharge" : "0.00",
    "discountAmount" : "0.00",
    "fuelSurcharge" : "0.00",
    "accountNumber" : "1234567",
    "paymentType" : "Prepaid",
    "customerType" : "Shipper",
    "shipDate" : "2025-04-05",
    "numPieces" : "44",
    "numHandlingUnits" : "2",
    "cubicFeet" : "23.23",
    "density" : "14.58",
    "estimatedServiceDays" : "1",
    "estimatedDeliveryDate" : "2025-04-08"
  },
  "commodities" : [ {
    "shipmentClass" : "Class 60 (Rated as Class 50.0)",
    "shipmentWeight" : "100",
    "rate" : "0.00",
    "charge" : "0.00"
  }, {
    "shipmentClass" : "Class 50 (Rated as Class 50.0)",
    "shipmentWeight" : "2200",
    "rate" : "0.00",
    "charge" : "0.00"
  } ],
  "quoteInformation" : [ {
    "description" : "Total Weight",
    "value" : "0.00"
  }, {
    "description" : "Discount Factor",
    "value" : "0.00"
  }, {
```

```
"description" : "Additional Cargo Liability",
"value" : "0.00"
}, {
  "description" : "Tariff",
  "value" : "CZARLITE "
}, {
  "description" : "Rate Base",
  "value" : "0.00"
}, {
  "description" : "Gross Minimum",
  "value" : "0.00"
}, {
  "description" : "Quote Date/Time",
  "value" : "2025-04-04T16:00:46"
} ],
"accessorialCharges" : [ {
  "description" : "Additional Cargo Liability Charge",
  "value" : "0.00"
} ]
}
```

Example of a successful response (All Delivery Option),

```
{
  "quoteLocations" : {
    "originCity" : "Duluth",
    "originState" : "GA",
    "originZip" : "30097",
    "originServiceCenter" : "ATLANTA EAST (NOR)",
    "destinationCity" : "JACKSONVILLE",
    "destinationState" : "FL",
    "destinationZip" : "32222",
    "destinationServiceCenter" : "JACKSONVILLE SERVICE CTR"
  },
  "quoteDetails" : {
    "rateQuoteNumber" : "1122334455",
    "deliveryOption" : "All",
    "totalCharge" : "0.00",
    "subtotal" : "0.00",
    "deficitCharge" : "0.00",
    "discountAmount" : "0.00",
    "fuelSurcharge" : "0.00",
    "accountNumber" : "1234567",
    "paymentType" : "Prepaid",
    "customerType" : "Shipper",
    "shipDate" : "2025-04-05",
    "estimatedServiceDays" : "1",
    "estimatedDeliveryDate" : "2025-04-08",
    "guaranteedBy5TotalCharge" : "117.41",
    "guaranteedBy5EstimatedDeliveryDate" : "2025-04-07",
    "guaranteedByNoonTotalCharge" : "212.41",
    "guaranteedByNoonEstimatedDeliveryDate" : "2025-04-07"
  },
  "commodities" : [ {
    "shipmentClass" : "Class 50 (Rated as Class 50.0)",
    "shipmentWeight" : "5",
    "rate" : "--",
    "charge" : "Min. Charge"
  }, {
    "shipmentClass" : "Class 60 (Rated as Class 50.0)",
    "shipmentWeight" : "5",
    "rate" : "--",
    "charge" : "Min. Charge"
  } ],
  "quoteInformation" : [ {
    "description" : "Total Weight",
    "value" : "0.00"
  }, {
    "description" : "Discount Factor",
    "value" : "0.00"
  }, {
```

```
"description" : "Tariff",
"value" : "CZARLITE  "
}, {
  "description" : "Rate Base",
  "value" : "0.00"
}, {
  "description" : "Gross Minimum",
  "value" : "0.00"
}, {
  "description" : "Quote Date/Time",
  "value" : "2025-04-04T16:00:57"
} ]
}
```

Request Fields

The table below describes the LTL Rate Quote input structure and all the possible fields.

Path	Type/Required/Size	Description
accountNumber	String Required 7 Max/Min	A 7 digit Averitt account number. This account is either the Shipper, Consignee or Third Party per the value set in the Customer Type field. Note that your averitt.com username, that is associated with your api key, must have access to this account number.
customerType	String Required see valid values	If the account is the origin location then the value of this field must be 'Shipper'. If the account is the destination location then the value of this field must be 'Consignee'. If the account is neither the origin location nor the destination location then the value of the field must be 'Third Party'. Note that your averitt.com username, that is associated with your api key, has to be setup to use 'Third Party' in order to use it as it is not a default privilege. Valid values are: 'Shipper', 'Consignee', and 'Third Party'.
originCity	String Conditional 30 Max	The origin city of the shipment. If the Customer Type is 'Shipper' then this field is optional as the City will be retrieved from the Averitt database for the given Account Number. If the Customer Type is 'Shipper' and the City is provided then it must match the city on record for the given Account Number. If the Customer Type is 'Consignee' or 'Third Party' then this field is required along with State and Zip fields and the City/State/Zip combination must be valid.
originState	String Conditional 2 Max/Min	The origin state of the shipment. (2 character state abbreviation in capital letters) See above for city as the logic is the same.
originZip	String Conditional 6 Max	The origin zip of the shipment. See above for city as the logic is the same.

Path	Type/Required/Size	Description
destinationCity	String Conditional 30 Max	The destination city of the shipment. If the Customer Type is 'Consignee' then this field is optional as the City will be retrieved from the Averitt database for the given Account Number. If the Customer Type is 'Consignee' and the City is provided then it must match the city on record for the given Account Number. If the Customer Type is 'Shipper' or 'Third Party' then this field is required along with State and Zip fields and the City/State/Zip combination must be valid.
destinationState	String Conditional 2 Max/Min	The destination state of the shipment. (2 character state abbreviation in capital letters) See above for city as the logic is the same.
destinationZip	String Conditional 6 Max	The destination zip of the shipment. See above for city as the logic is the same.
shipDate	String Optional see required date format	The date the shipment will be pickedup. (ISO 8601 format: yyyy-MM-dd)If the Ship Date is omitted or is blank then the current date will be used.
paymentType	String Required see valid values	Enter 'Prepaid' if Shipper will be invoiced for freight charges. Enter 'Collect' if Consignee will be invoiced for freight charges. Valid values are: 'Prepaid' and 'Collect'.
shipmentInfo	Object Required N/A - object identifier	Marks the start of a nested JSON object called Shipment Info that holds information about the items being shipped and the requested accessories and other shipment specific related information. This object identifier is required.
shipmentInfo.items []	Array Required N/A - array identifier	Marks the start of an Array of Shipment Details. Please enter the information for each commodity in your shipment, leaving fields blank that do not apply. This array identifier is required. At least one array element is required.
shipmentInfo.items [].shipmentClass	String Required see valid values	Enter the freight class for this line item. Freight class is a standardized classification system for commodities transported via less-than-truckload (LTL) freight shipping. Valid values are: '50', '55', '60', '65', '70', '77.5', '85', '92.5', '100', '110', '125', '150', '175', '200', '250', '300', '400', '500'.

Path	Type/Required/Size	Description
shipmentInfo.items [].shipmentWeight	String Required 7 Max	Enter the weight (lbs) for this line item. Valid values are positive whole numbers. The total weight of all items must not exceed 20,000.
shipmentInfo.items [].nmfcNumber	String Conditional must be valid NMFC#	Enter the National Motor Freight Classification Number for this item. This field is usually not required for most customers and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.items [].nmfcSubNumber	String Conditional must be valid NMFC Sub#	Enter the National Motor Freight Classification Sub Number, if any, for this item. This field is usually not required for most customers and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.accessorials	Object Optional N/A - object identifier	Marks the start of a nested JSON object called Accessorials that holds information about the accessorials included in this rate quote. Accessorials are additional services required for your delivery. Accessorials are subject to additional charges based on your account's pricing. If omitted then no accessorials are included with this rate quote (same as if all were set to 'false'). Also if any one accessorial is omitted then it's default value is 'false'.
shipmentInfo.accessorials.arrivalNotify	Boolean Optional true/false/blank	Set to 'true' if you are requesting that a notice, verbal or written, be furnished to the consignee upon the arrival of the shipment. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Arrival Notify.
shipmentInfo.accessorials.conventionCenterDelivery	Boolean Optional true/false/blank	Set to 'true' if the delivery is to be made to a convention center, amusement park, trade show, craft show, traveling show, chautauquas, fairs, carnivals, exhibitions, expositions, furniture shows or such venues. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Convention Center Delivery.
shipmentInfo.accessorials.constructionSiteDelivery	Boolean Optional true/false/blank	Set to 'true' if the delivery is to be made to a construction site. Construction sites include areas where building, excavating, erecting, construction and road building is carried on. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Construction Site Delivery. Residential Delivery and Construction Site Delivery cannot be selected together. Non-Commercial Pickup/Delivery and Construction Site Delivery cannot be selected together.

Path	Type/Required/Size	Description
shipmentInfo.accessorials.insideDelivery	Boolean Optional true/false/blank	Set to 'true' if the delivery is to be made away from the immediate adjacent unloading locations. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Inside Delivery.
shipmentInfo.accessorials.liftgate	Boolean Optional true/false/blank	Set to 'true' if the shipment requires a hydraulic lifting or lowering device to accomplish delivery when the destination service center does not have equipment. Charges will be equal to amount AVRT pays for purchasing service from a third party. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Liftgate.
shipmentInfo.accessorials.hazmat	Boolean Optional true/false/blank	Set to 'true' if the shipment contains any material that would be deemed as hazardous material by the federal government. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Hazmat.
shipmentInfo.accessorials.residentialDelivery	Boolean Optional true/false/blank	Set to 'true' if the delivery is to be made to a residential location. This includes private residences, apartments, condominiums, or other such facilities on the premises. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Residential Delivery. Residential Delivery and Construction Site Delivery cannot be selected together. Non-Commercial Pickup/Delivery and Residential Delivery cannot be selected together.
shipmentInfo.accessorials.nonCommercialPickupDelivery	Boolean Optional true/false/blank	Set to 'true' if the pickup or delivery is to a non-commercial location. This includes schools, churches, camps, country clubs, estates, farms, mini-storage warehouses, rectories, convents, prisons, detention centers, military bases, nursing homes, assisted living facilities, oil fields and other such locations. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Non-Commercial Pickup/Delivery. Non-Commercial Pickup/Delivery and Residential Delivery cannot be selected together. Non-Commercial Pickup/Delivery and Construction Site Delivery cannot be selected together.
shipmentInfo.accessorials.securityInspection	Boolean Optional true/false/blank	Set to 'true' if the carrier will be required by shipper and/or consignee to go through a security inspection process in order to perform pickup or delivery in locations such as, but not limited to airports, chemical plants, military bases, ports, prisons, and other public or private facilities. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Security Inspection.

Path	Type/Required/Size	Description
shipmentInfo.numPieces	String Conditional 5 Max	Number of pieces included with the shipment. This field is usually not required and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.numHandlingUnits	String Conditional 5 Max	Number of Handling Units included with the shipment. This field is usually not required and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.cubicFeet	String Conditional 99999.99 is Max value	Cubic Feet included with the shipment. This field is usually not required and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.density	String Conditional 999.99 is Max value	Density of the shipment. This field is usually not required and if it is required then an error message will be returned indicating that it is required.
shipmentInfo.overLength	String Optional see list of valid values	Used to describe the longest dimension of the shipment: omit this field or pass a blank if the longest length is less than 8'. Enter 'OVL8' if the longest dimension is greater than or equal to 8' but less than 12'. Enter 'OVL12' if \leq 12' but < 16'. Enter 'OVL16' if \leq 16' but < 20'. Enter 'OVL20' if \leq 20' but \leq 24'. Valid values are: omitted field, ', 'OVL8', 'OVL12', 'OVL16', 'OVL20'. The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with any non-blank Overlength option.
shipmentInfo.additionalCargoLiability	String Optional 999999.99 is Max value	Used to request Additional Cargo Liability insurance. Valid values must be a positive number that matches this pattern: '999999.99'
deliveryOption	String Optional see list of valid values	Enter 'Standard' if you want the Rate Quote results to only provide a Rate Quote for 'Standard' delivery. Enter 'GuaranteedByNoon' if you want the Rate Quote results to only provide a Rate Quote for 'Guaranteed By Noon' delivery. Enter 'GuaranteedBy5' if you want the Rate Quote results to only provide a Rate Quote for 'Guaranteed By 5 PM' delivery. Enter 'All' if you want the Rate Quote results to provide a Rate Quote for 'Standard' delivery, 'Guaranteed By Noon' and 'Guaranteed By 5 PM' delivery. Valid values are: 'Standard', 'GuaranteedByNoon', 'GuaranteedBy5' or 'All'. If this field is omitted or blank then 'Standard' will be used.

Response Fields

Path	Type	Description
quoteLocations	Object	Marks the start of a nested JSON object called Quote Locations. This object holds the Shipper and Consignee addresses and corresponding Service Centers. The descendant fields are always available in the response unless they are null.
quoteLocations.originCity	String	The origin city of the shipment.
quoteLocations.originState	String	The origin state of the shipment. (2 character state abbreviation in capital letters)
quoteLocations.originZip	String	The origin zip of the shipment.
quoteLocations.originServiceCenter	String	The origin Service Center of the shipment.
quoteLocations.destinationCity	String	The destination city of the shipment.
quoteLocations.destinationState	String	The destination state of the shipment. (2 character state abbreviation in capital letters)
quoteLocations.destinationZip	String	The destination zip of the shipment.
quoteLocations.destinationServiceCenter	String	The destination Service Center of the shipment.
quoteDetails	Object	Marks the start of a nested JSON object called Quote Details. This object holds one off details supplied with the request and resulting calculations for Estimated Service Days and Estimated delivery Date. The descendant fields are always available in the response unless they are null.
quoteDetails.rateQuoteNumber	String	The resulting Rate Quote Number unique to the resulting Rate Quote. This Rate Quote can be searched for and viewed in Rate Quote history from within averitt.com.

Path	Type	Description
quoteDetails.deliveryOption	String	The Delivery Option supplied with the request.
quoteDetails.totalCharge	String	The 'totalCharge' field is the grand total amount of the rate quote. If a Standard 'deliveryOption' is requested, this amount will be the grand total for the 'Standard' Delivery option. If GuaranteedBy5 deliveryOption is requested, this amount will be the grand total for the 'Guaranteed By 5 PM' Delivery option. If GuaranteedByNoon deliveryOption is requested, this amount will be the grand total for the 'Guaranteed By Noon' Delivery option. The sum of the charge amounts in the accessorialCharges array and Quote Details (subtotal, deficitCharge, discountAmount and fuelSurcharge) will be the totalCharge for Standard Delivery. The difference between this result and the 'totalCharge', if any, is the up-charge for the 'Guaranteed By 5 PM' or 'Guaranteed By Noon' Delivery option.
quoteDetails.subtotal	String	The 'subtotal' is the total of the summation all the charge amounts in the 'commodities' array.
quoteDetails.deficitCharge	String	The charge associated with the difference in weight used to bump freight to a higher weight group which will produce a lower rate cwt.

Path	Type	Description
quoteDetails.discountAmount	String	The discounted amount applied to the given shipment. Note that the 'Discount Amount' is shown as a positive amount - but it is subtracted from the total Freight Charges.
quoteDetails.fuelSurcharge	String	Fuel surcharges is a charge applied to cover a portion of the fuel costs.
quoteDetails.accountNumber	String	The Account Number supplied with the request.
quoteDetails.paymentType	String	The Payment Type supplied with the request.
quoteDetails.customerType	String	The Customer Type supplied with the request.
quoteDetails.shipDate	String	The Ship Date (yyyy-MM-dd) supplied with the request.
quoteDetails.numPieces	String	The Number of Pieces supplied with the request.
quoteDetails.numHandlingUnits	String	The Number of Handling Units supplied with the request.
quoteDetails.cubicFeet	String	The Cubic Feet supplied with the request.
quoteDetails.density	String	The Density supplied with the request.
quoteDetails.estimatedServiceDays	String	The Estimated Service Days calculated by Averitt during the Rate Quote.
quoteDetails.estimatedDeliveryDate	String	The Estimated Delivery Date (yyyy-MM-dd) calculated by Averitt during the Rate Quote.

Path	Type	Description
<code>quoteDetails.guaranteedBy5TotalCharge</code>	String	The Guaranteed By 5 total charge. This field is only returned when the 'All' delivery option is sent in request. This field returns the rate quote for the guaranteedby5 option, when available. If a guaranteedby5 rate quote is not available, given the request data, then this field will show 0.00.
<code>quoteDetails.guaranteedBy5estimatedDeliveryDate</code>	String	The Guaranteed By 5 estimated delivery date. This field is only returned when the 'All' delivery option is sent in request and is only valid if the guaranteedBy5TotalCharge field is not 0.00.
<code>quoteDetails.guaranteedByNoonTotalCharge</code>	String	The Guaranteed By Noon total charge. This field is only returned when the 'All' delivery option is sent in request. This field returns the rate quote for the Guaranteed by Noon option, when available. If a Guaranteed by Noon rate quote is not available, given the request data, then this field will show 0.00.
<code>quoteDetails.guaranteedByNoonEstimatedDeliveryDate</code>	String	The Guaranteed By Noon estimated delivery date. This field is only returned when the 'All' delivery option is sent in request and is only valid if the guaranteedByNoonTotalCharge field is not 0.00.

Path	Type	Description
<code>commodities[]</code>	Array	Marks the start of an Array of Shipment Details that shows the freight class, weight, rate, and charge per line item supplied in the request. The descendant fields are always available in the response unless they are null. The 'commodities' array will have the same elements as the data supplied in the input: shipmentInfo.items array.
<code>commodities[].shipmentClass</code>	String	The class supplied in the response, for this line item, will be echoed in format 'Class 50'. Furthermore, if Averitt determines that the rate class is different than the supplied freight class then a message will be appended as follows ' (Rated as Class xx)' where xx is replaced with the freight class the line was determined to be.
<code>commodities[].shipmentWeight</code>	String	The weight supplied in the response, for this line item, will be echoed.
<code>commodities[].rate</code>	String	The system calculated rate per 100 pounds, for this line item. If the entire shipment is subject to a minimum charge then this field will show two dashes as follows '--' and the 'Charge' field will read 'Min. Charge'.
<code>commodities[].charge</code>	String	The system calculated charge for this line item. If the entire shipment is subject to a minimum charge then this field will read 'Min. Charge' and the 'Rate' field will show two dashes as follows '--'.

Path	Type	Description
<code>quoteInformation[]</code>	<code>Array</code>	Marks the start of an Array of Quote Information data elements (description/value pairs) that shows one off information that comes from the rate quote engine.
<code>quoteInformation[].description</code>	<code>String</code>	The following is a complete list of possible values for the 'description' field: 'Total Weight', 'Deficit Amount', 'Discount Factor', 'Additional Cargo Liability', 'Tariff', 'Rate Base', 'Gross Minimum', 'Quote Date/Time'.
<code>quoteInformation[].value</code>	<code>String</code>	The value that corresponds to the 'description' field. For 'Total Weight' this will be the sum of all weight amounts provided in the freight items. For Deficit Amount this will be in pounds. For 'Discount Factor' this will be the percent off of the freight charges provide as a discount. For 'Additional Cargo Liability' this will be the additional liability amount from the request. If there is a 'Tariff' then the name of it will be shown. 'Quote Date/Time' is in ISO 8601 format: yyyy-MM-dd'T'HH:mm:ss.
<code>accessorialCharges[]</code>	<code>Array</code>	Marks the start of an Array of Accessorial Charges (description/value pairs) that shows some of the amounts that go into the Grand Total Rate Quote amount.

Path	Type	Description
<code>accessorialCharges[].description</code>	<code>String</code>	A charge applied when additional services are performed such as inside delivery. There are also separate line item charges applied to cover a portion of the cost to pickup or delivery to high cost areas such as New York City.
<code>accessorialCharges[].value</code>	<code>String</code>	The value that correspond to the 'description' field.
<code>message</code>	<code>String</code>	If there is a validation error determined by the backend API, then the Message field will contain the error message and will be the only field returned in the response. This field will be returned with an HTTP status code of 422.

HTTP status codes

Status code	Meaning
201 Created	The rate quote has been created successfully.
422 Bad Request	The user input was missing or invalid.
500 Internal Server Error	There was an unexpected server error occurred processing the user's request.

Error Messages

A 422 Unprocessable Entity response will be returned when the response data is invalid.

Example of a unsuccessful response (just message is returned),

```
{
  "message" : "The class field must be specified and not blank if a weight is given.
  Error found on shipmentInfo:items line: 1."
}
```

Possible error messages

message
The Account Number field is missing and it is required input.
The Account Number field contains blank input and it must contain a 7 digit string.
The Account Number field is invalid; it must contain a 7 digit string. Your supplied Account Number is: " + input.getAccountNumber() + " Length = " + input.getAccountNumber().length();
The Origin City field is missing and it is required input
The Origin City field is blank and it must contain a valid City.
The Destination City field is missing and it is required input
The Destination City field is blank and it must contain a valid City.
The Origin State field is missing and it is required input
The Origin State field is blank and it must contain a valid US or Canadian State.
The Destination State field is missing and it is required input
The Destination State field is blank and it must contain a valid US or Canadian State.
The Origin Zip field is missing and it is required input.
The Origin Zip field is blank and it must contain a valid Zip.
The Destination Zip field is missing and it is required input.
The Destination Zip field is blank and it must contain a valid Zip.
The Payment Type field is missing and it is required input.
The Payment Type field is blank and it must contain either 'Prepaid' or 'Collect'.
The Payment Type field is invalid. The Payment Type field must contain either 'Prepaid' or 'Collect'. Your supplied Payment Type is: " + input.getPaymentType() + "
The Customer Type field is missing and it is required input.
The Customer Type field is blank and it must contain either 'Shipper' or 'Consignee'

message

The Customer Type field is invalid. The Customer Type field must contain either 'Shipper', 'Consignee'. Your supplied Customer Type is: "" + input.getCustomerType() + ""

The Delivery Option field is invalid. The Delivery Option field, if supplied, must contain either 'Standard', 'GuaranteedBy5', or 'All'. Your supplied Delivery Option is: "" + input.getDeliveryOption() + ""

The Ship Date field is invalid. The Ship Date field must contain a valid date in YYYY-MM-DD format. Your supplied Ship Date is: "" + input.getShipDate() + ""

The Ship Date field is invalid. The Ship Date field must not be prior than today's date. Your supplied Ship Date is: "" + input.getShipDate() + ""

The Shipment Info object block is missing and it is required input.

shipmentInfo: Number of Pieces (numPieces) can not be greater than 5 digits long. Your supplied numPieces is: "" + shipmentInfo.getNumPieces() + ""

shipmentInfo: Number of Handling Units (numHandlingUnits) can not be greater than 5 digits long. Your supplied numHandlingUnits is: "" + shipmentInfo.getNumHandlingUnits() + ""

The Shipment Info: Items array is missing and it is required input.

The Shipment Info: Items array is missing array items - must have at least one item in the array.

Only "" + MAX_ITEMS + "" 'items' are allowed per quote. You have supplied: "" + shipmentInfoItems.size());

The weight field must be specified and not blank if a class is given. Error found on shipmentInfo:items line: "" + itemsLine + "".

The class field must be specified and not blank if a weight is given. Error found on shipmentInfo:items line: "" + itemsLine + "".

The weight field must be a positive whole number. Your supplied weight is: "" + item.getShipmentWeight() + "". Error found on shipmentInfo:items line: "" + itemsLine + "".

Shipments that are greater than 20,000 lbs are unable to be quoted through LTL Rate Quotes as LTL rates will not apply to this shipment. The total weight of all items is ...

The shipment class is invalid. Your supplied class is: "" + origClass + "". Error found on shipmentInfo:items line: "" + itemsLine + "".

The NMFC Number can not be greater than six characters long. Your supplied NMFC Number is: "" + item.getNmfcNumber() + "". Error found on shipmentInfo:items line: "" + itemsLine + "".

The NMFC Sub Number can not be greater than two characters long. Your supplied NMFC Sub Number is: "" + item.getNmfcSubNumber() + "". Error found on shipmentInfo:items line: "" + itemsLine + "".

The Origin State field is invalid. The Origin State field must contain a valid US, CA, or MX state two character abbreviation. Your supplied Origin State is: "" + input.getOriginState() + ""

The Destination State field is invalid. The Destination State field must contain a valid US, CA, or MX state two character abbreviation. Your supplied Destination State is: "" + input.getDestinationState() + ""

message

The Origin State (" + origState + ") is invalid for Origin Zip (" + origZip + ") when looking for States for this zip in USA and Canada.

The Destination State (" + destState + ") is invalid for Destination Zip (" + destZip + ") when looking for States for this zip in USA and Canada.

The Origin City (" + origCity + ") is invalid for Origin Zip/State (" + origZip + "/" + origState+ ")."

The Destination City (" + destCity + ") is invalid for Destination Zip/State (" + destZip + "/" + destState + ")."

The Origin City (" + origCity + ") is invalid for Origin Zip (" + origZip + ")."

The Destination City (" + destCity + ") is invalid for Destination Zip (" + destZip + ")."

The 'shipmentInfo:overLength' field is invalid. Valid values are blank/OVL8/OVL12/OVL16/OVL20. Your supplied overLength value is: "" + input.getShipmentInfo().getOverLength() + ""

The 'shipmentInfo:density' is invalid. Valid values must be a positive number that matches this pattern: 999.99. Your supplied density value is: "" + input.getShipmentInfo().getDensity() + ""

The shipmentInfo:additionalCargoLiability' field is invalid. Valid values must be a positive number that matches this pattern: ...

The shipmentInfo:additionalCargoLiability' field failed to convert to a BigDecimal. Verify that it matches this pattern: '99999 ...

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Residential Delivery.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Liftgate.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Construction Site Delivery.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Non-Commercial Pickup/Delivery.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Security Inspection.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Convention Center Delivery.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Arrival Notify.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Inside Delivery.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with Hazmat.

The 'Guaranteed By 5' & 'Guaranteed By Noon' Delivery Option is not available with any Overlength.

Non-Commercial Pickup/Delivery and Construction Site Delivery cannot be selected together.

Non-Commercial Pickup/Delivery and Residential Delivery cannot be selected together.

Residential Delivery and Construction Site Delivery cannot be selected together.

message

The Origin City (" + suppliedCity + ") does not match the City (" + accountCity + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Origin State (" + suppliedState + ") does not match the State (" + accountState + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Origin Zip (" + suppliedZip + ") does not match the Zip (" + accountZip + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Destination City (" + suppliedCity + ") does not match the City (" + accountCity + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Destination State (" + suppliedState + ") does not match the State (" + accountState + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Destination Zip (" + suppliedZip + ") does not match the Zip (" + accountZip + ") we have on record for the account number provided (" + input.getAccountNumber() + ").

The Account Number supplied (" + input.getAccountNumber() + ") is not an authorized account for the username (" + getUsername(input.getProfileId()) + ") provided.

rate not found

NMFC # required to obtain a rate quote.

Number of Handling Units is required for rate quote

Cubic Feet is required to obtain a rate quote

Density is required to obtain a rate quote

Thank you for your Rate Quote request. The Rate Quote between these points is not available. For more information, please conta ...

Guaranteed service is available only for direct shipments

Invalid billto customer class

Invalid destination zip code

Invalid origin zip code

Invalid tariff/effective date

Miami-to-Puerto Rico inland charges apply

Customer account is inactive

Billto-only account cannot be used as consignee code

Billto-only account cannot be used as shipper code

Additional Cargo Liability not available for non-direct shipments

An invalid shipment class and supplied shipment class is:Class + "class supplied"

Error: 11 Origin postal code not in tariff.

Error: 13 Destination postal code not in tariff.

Error: 14 Origin/Destination combination not in ta

message
Error: 32 Tariff not found.
Error: 45 Invalid state/postal code combination.