

# Transportation Modeling

Data to make **influential changes** to operational policies that **improve service and cut costs**

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**LLamasoft**

## OVERVIEW

Shippers using Blujay's Transportation Management application need the ability to quickly and easily evaluate the efficiency of their transportation planning policies. Blujay's Transportation Modeling module, built in collaboration with LLamasoft®, was designed with ease of use and a streamlined value identification workflow in mind. Transportation Modeling quickly quantifies cost-saving opportunities by considering (but not limited to) mode conversion (TL vs. IM), consolidation, number of stops, truckload asset capacity, and date flexibility on both pick or drop.

## SOLUTION AT A GLANCE

- › Analytics that allow for justification of transportation policy change
- › Ability to conduct what-if scenarios
- › Empowering end-users to conduct powerful modeling exercises that identify service improvement and cost reduction opportunities
- › Simplification of historically complex modeling exercises
- › Baseline and optimized baseline scenario analysis generation
- › Pre-configured scenarios for ease of use and speed to value
- › Ability to create additional custom Transportation Modeling scenarios

## KEY FEATURES

- › Visualization of transportation network via mapping interface
- › Visual comparison of scenario results across: Cost, Stops, Utilization, Distance
- › Ability to filter data set for different scenarios
- › Configuration of maximum TL capacity parameters
- › Data export from application into excel
- › Access to scenarios across users within a company

## THE BLUJAY WAY

Transportation Modeling leverages Data that is generated through the Network and Applications within the larger Blujay ecosystem. Transportation Modeling equips shippers with data to make influential changes to operational policies that improve service and cut costs.

### Shipment Consolidation

Transportation Modeling will evaluate all shipments and build the optimal consolidated loads by evaluating consolidation opportunities.

Example: "I could have saved \$X if my shipments were consolidated in the most optimal way based on available constraints."

### Mode Shift

Transportation Modeling will evaluate the opportunity to shift TL volume to IM volume based on estimated rating using linear regression.

Example: "I could have saved \$X by moving this IM instead of TL – I now need to add IM carriers to my routing guides to capture that opportunity."

### Pick & Delivery Date Flexibility

Transportation Modeling will evaluate date flexibility on the pick and drop to allow for greater consolidation opportunities.

Example: "I could have saved \$X by moving my shipping window – I now need to evaluate my must-depart-by logic."

Example: "I could have saved \$X by moving my delivery window – I now need to work with my customer on delivery requirements."

### Equipment Shift

Transportation Modeling will evaluate the opportunity to allow dry product to run on the same load as refrigerated product.

Example: "I could have saved \$X if dry shipments could be consolidated with refrigerated shipments."

Transportation Modeling will grow to include new output scenarios over time, which may include distribution center location placement, where to locate suppliers, and fleet utilization.

## ABOUT BLUJAY SOLUTIONS

Blujay Solutions helps companies around the world achieve excellence in logistics and trade compliance - it's in our DNA. Through a blend of Data, Networks, and Applications, delivered in the Blujay Way, our DNA platform powers the Frictionless Supply Chain for thousands of the world's leading manufacturers, retailers, distributors, freight forwarders, customs brokers, carriers, and logistics service providers.