CLAIMS

Therefore, the following is claimed:

1. A system, comprising:

at least one computing system;

an application executable in the at least one computing system, the application comprising:

logic that identifies one of a plurality of destination locations for delivery of a shipment to a recipient;

logic that identifies at least a portion of a carrier infrastructure that is to be used to deliver the shipment to the one of the destination locations~~; and~~ by:

identifying a materials handling facility that falls within a geographical service area in which the one of the destination locations resides;

identifying at least one delivery courier associated with the materials handling facility that services the geographical service area; and

identifying at least one delivery route from a plurality of delivery routes precalculated for the at least one delivery courier, the at least one delivery route to be used in the delivery of the shipment by the at least one delivery courier; and

logic that generates a shipping label for the shipment, wherein the shipping label comprises: ~~that expresses both~~

the one of the destination locations; ~~and a recitation of the portion of the carrier infrastructure.~~

a machine-readable identifier configured to provide information associated with the portion of the carrier infrastructure employed in the delivery; and

a recitation of the portion of the carrier infrastructure employed in the delivery to aid a carrier in employing the carrier infrastructure to deliver the shipment.

2. The system of claim 1, wherein ~~each~~ individual ones of the destination locations ~~is~~are expressed in the form of one or more of an address or a geocode.

3. The system of claim 2, wherein at least one of the destination locations is expressed in the form of a geocode obtained from a mobile device, wherein the ~~at least one of the geocodes~~ geocode is obtained from the mobile device contemporaneously with a delivery of an item by a courier carrying the mobile device.

4. The system of claim 1, wherein ~~each~~ individual ones of the destination locations ~~is~~are expressed as both a street address and a geocode, wherein ~~each of~~the individual ones of the destination locations ~~is~~are associated with an account of a customer of an electronic commerce application.

~~5. The system of claim 1, wherein the carrier infrastructure defines a geographical area serviced by a materials handling facility~~

~~6. The system of claim 5, wherein logic that identifies the at least a portion of the carrier infrastructure that is to be used to deliver the shipment to the one of the destination locations further comprises logic that determines whether the materials handling facility is to be involved in the delivery of the shipment by determining whether the destination location falls within the geographical area.~~

~~7~~5. The system of claim 1, wherein logic that identifies the at least a portion of the carrier infrastructure that is to be used to deliver the shipment to the one of the destination locations further comprises logic that determines whether the one of the destination locations falls within a service area defined as a portion of the carrier infrastructure.

~~8~~6. The system of claim 1, wherein logic that identifies the at least a portion of the carrier infrastructure that is to be used to deliver the shipment to the one of the destination locations further comprises logic that identifies a

delivery route in which the destination location may be included in order to deliver the shipment.

~~97~~. The system of claim 1, wherein logic that identifies the at least a portion of the carrier infrastructure that is to be used to deliver the shipment to the one of the destination locations further comprises logic that identifies a delivery courier who is to deliver the shipment to the recipient.

~~10. The system of claim 1, wherein the application further comprises logic that calculates a plurality of delivery routes for the delivery of a plurality of future shipments, where the future shipments include the shipment, wherein the carrier infrastructure includes the delivery routes.~~

8. The system of claim 1, wherein the application further comprises logic that determines whether an order cut-off window has been reached such that a plurality of orders originated in an electronic commerce system are to be shipped together in a shift, wherein individual ones of the orders correspond to at least one of the shipments.

9. The system of claim 1, wherein the application further comprises logic that forwards the shipping label to the at least one delivery courier in a digital form over a network.

~~11~~10. A method, comprising ~~the steps of~~:

identifying, ~~in~~by at least one computing device, at least a portion of a carrier infrastructure that is to be used to deliver ~~each one~~ individual ones of a plurality of shipments, ~~each~~the individual ones of the shipments corresponding to one of a plurality of destination locations~~; and~~ by:

identifying a materials handling facility that falls within a geographical service area in which a corresponding one of the destination locations resides;

identifying at least one delivery courier associated with the materials handling facility that services the geographical service area; and

identifying at least one delivery route from a plurality of delivery routes precalculated for the at least one delivery courier, the at least one delivery route to be used in a delivery of one of the shipments by the at least one delivery courier; and

generating, ~~in~~by the at least one computing device, a shipping label for ~~each~~the individual ones of the shipments, wherein ~~each~~the shipping label comprises: ~~expresses both a respective~~

the corresponding one of the destination locations; ~~and~~

a machine-readable identifier configured to provide information associated with the portion of the carrier infrastructure used in the delivery; and

a recitation of the portion of the carrier infrastructure employed to deliver the one of the shipments to the corresponding one of the destination locations~~a corresponding one of the shipments to a respective one of the destination locations~~.

~~12. The method of claim 11, further comprising the step of calculating in the at least one computing device a plurality of delivery routes for the delivery of the shipments to the destination locations, each of the delivery routes being included in the carrier infrastructure.~~

~~13~~11. The method of claim ~~11~~10, further comprising ~~the step of~~ storing a plurality of geocode locations in association with a plurality of customers in a memory associated with the at least one computing device, wherein the destination locations further comprise the geocode locations.

~~14~~12. The method of claim ~~11~~10, further comprising ~~the step of~~ storing a plurality of addresses in association with a plurality of customers in a memory associated with the at least one computing device, wherein the destination locations further comprise the addresses.

~~15~~13. The method of claim ~~11~~10, wherein ~~the step of~~ identifying, ~~in~~by the at least one computing device, the at least a portion of the carrier infrastructure that is to be used to deliver each one of the shipments, where ~~each~~ individual ones of the shipments correspond to one of the destination locations, further comprises ~~the step of~~ determining the portion of the carrier infrastructure that is needed to deliver ~~each~~ the individual ones of the shipments to ~~a respective~~ the corresponding one of the destination locations.

14. The method of claim 10, further comprising determining, in the at least one computing device, whether an order cut-off window has been reached such that a plurality of orders originated in an electronic commerce system are to be shipped together in a shift, wherein individual ones of the orders correspond to at least one of the shipments.