

MF

METROFREIGHT

Volvo Center of Excellence

Ecommerce and Parcel Deliveries in New York City

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The Local/Global Challenge of Urban Freight

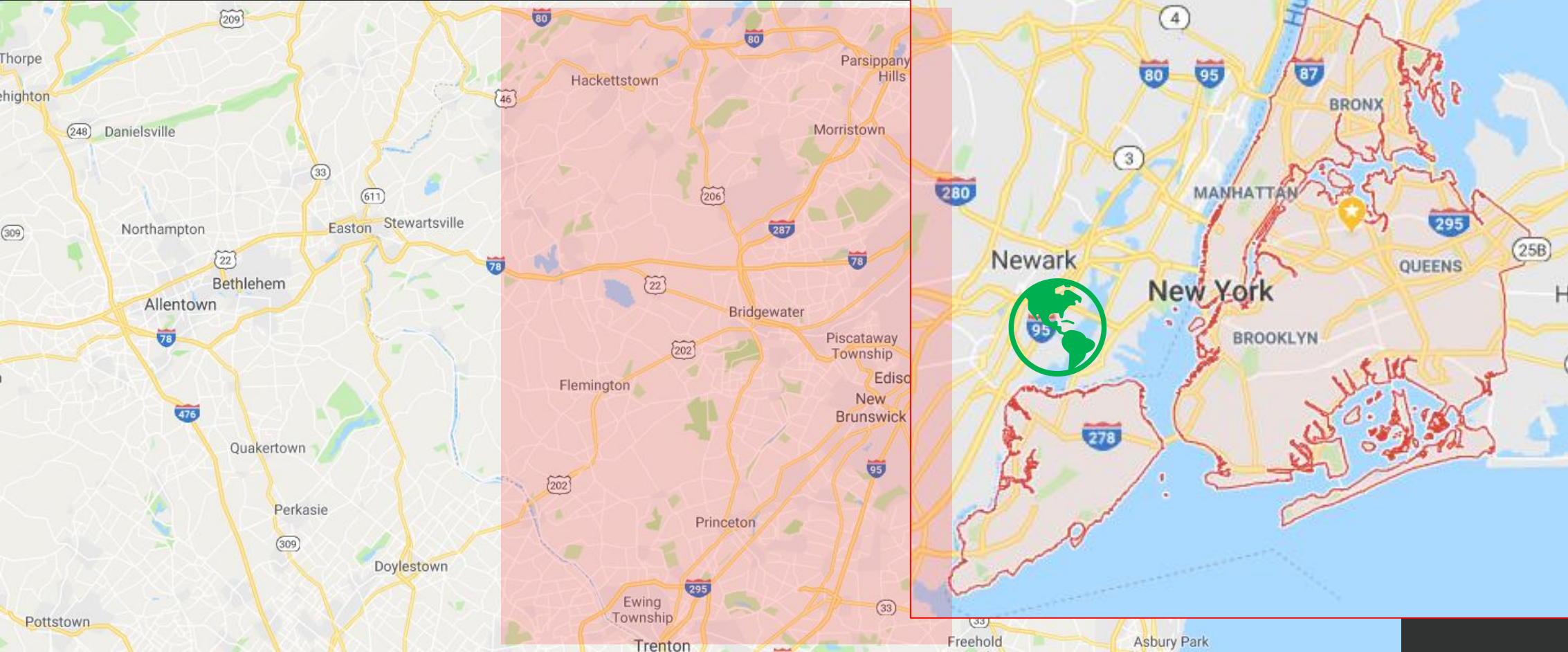
Pavillon de l'Arsenal

Paris, France

October 16, 2018



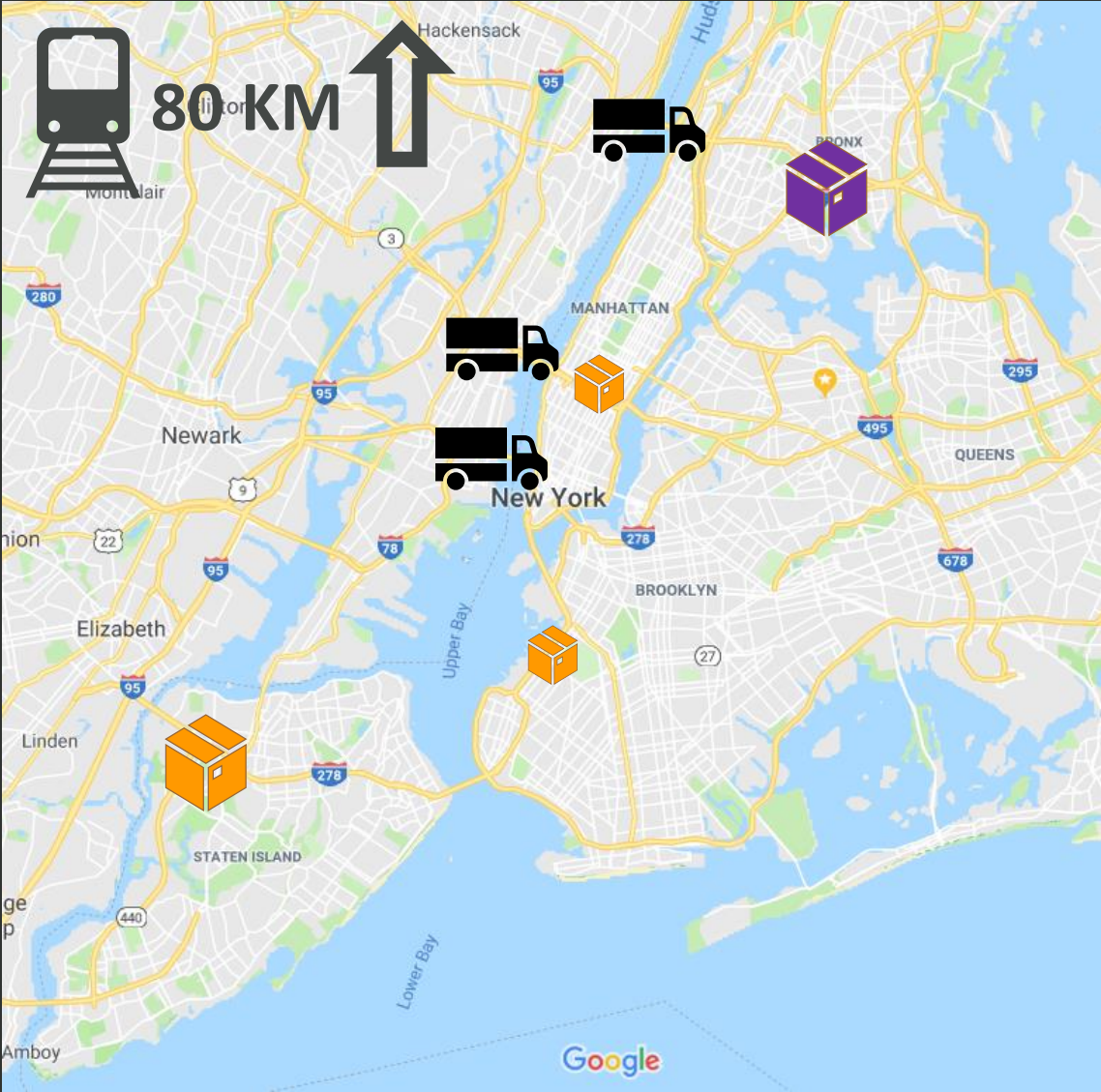
Ecommerce Movement in the NYC Region



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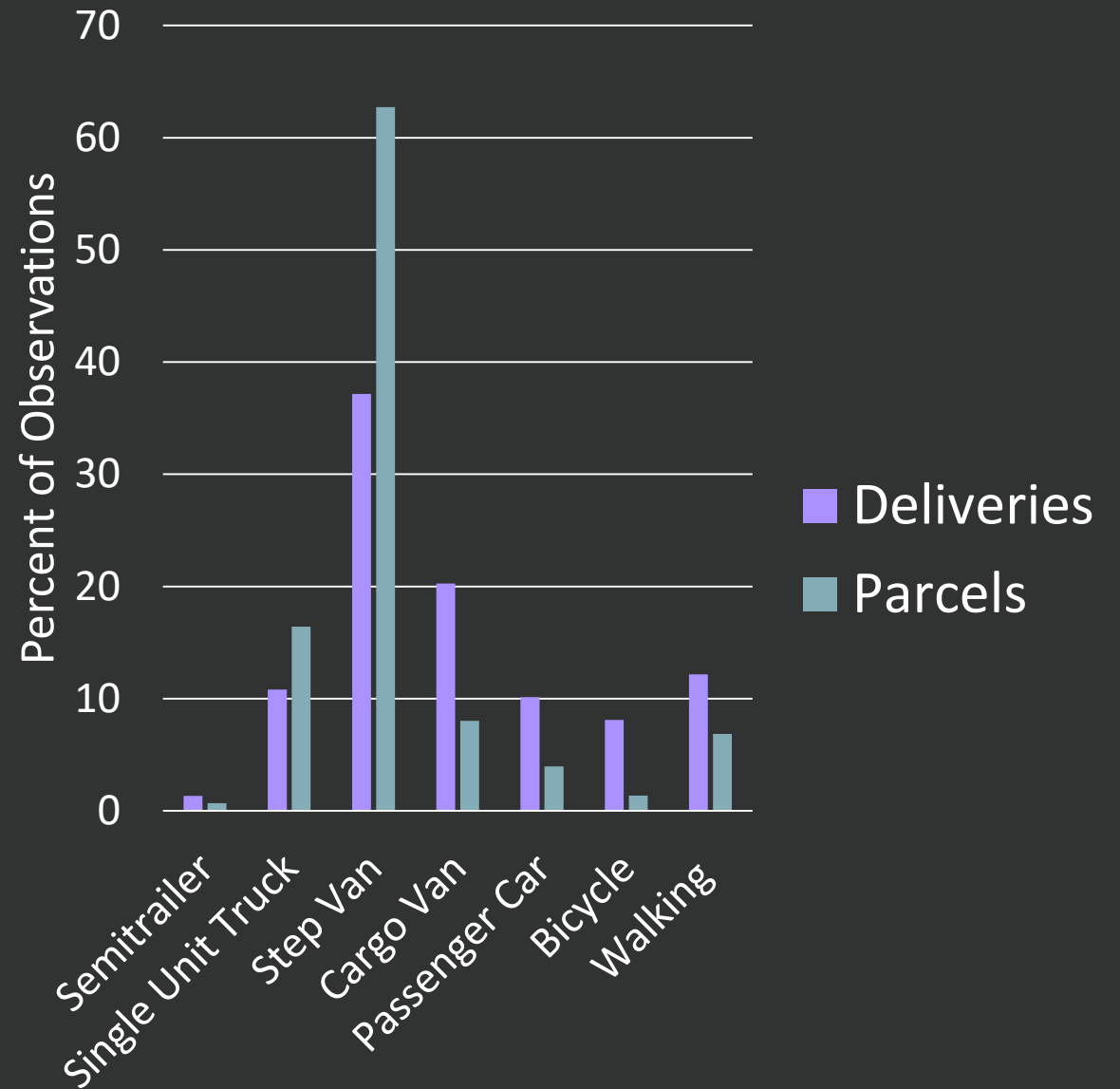


New Warehouses in NYC



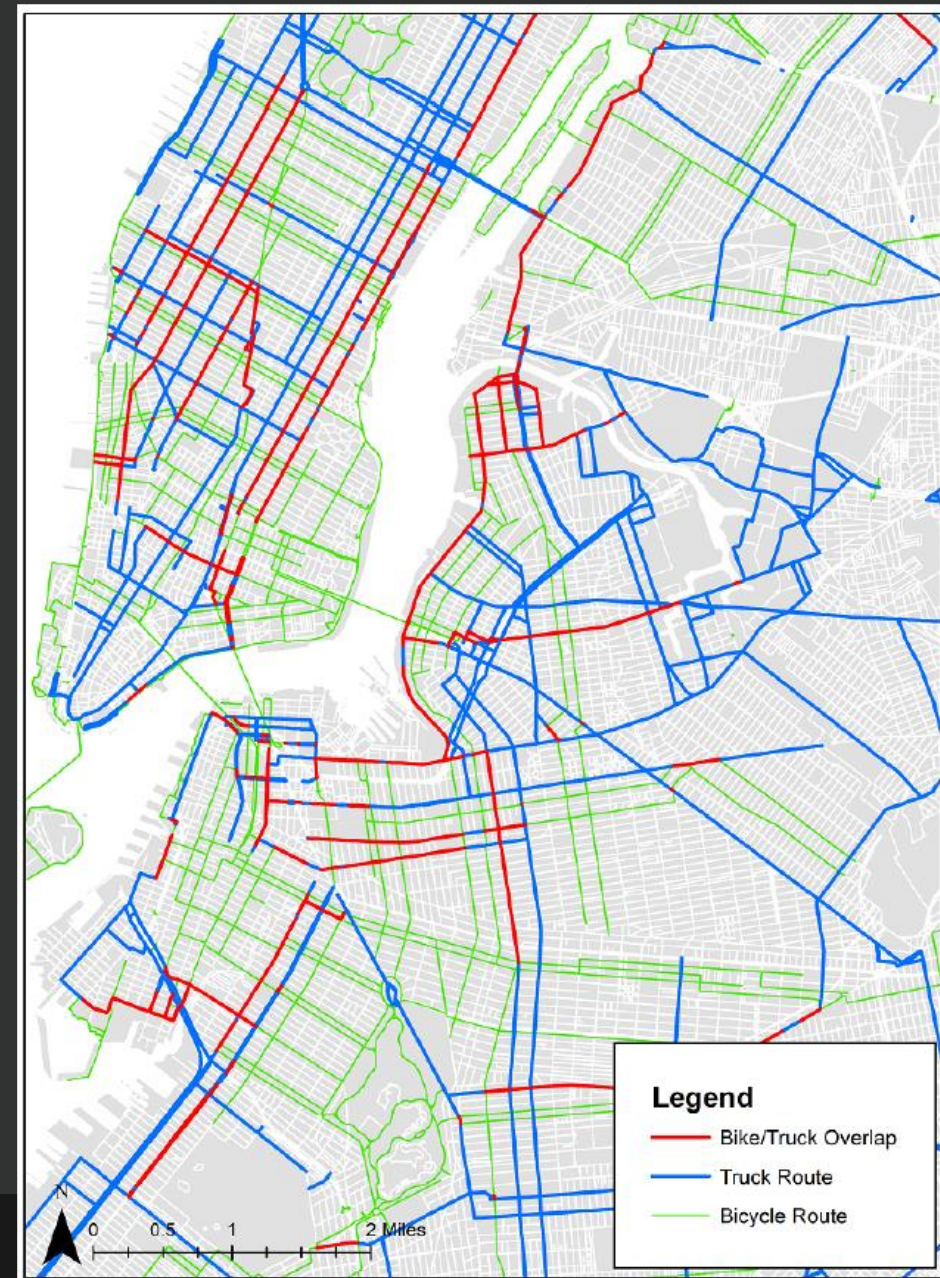
Ecommerce Activity

- Increasing volume of activity
- Deliveries distributed throughout the day
- Mixed fleet: truck → bike
- Expected delivery speeds → as little as one hour
- Residence as destination



Shared Street Infrastructure

- Growing dedicated bus and bicycle infrastructures
- Increase in on-demand services
 - Transportation network companies
 - Bikeshare
 - Scooters ...?

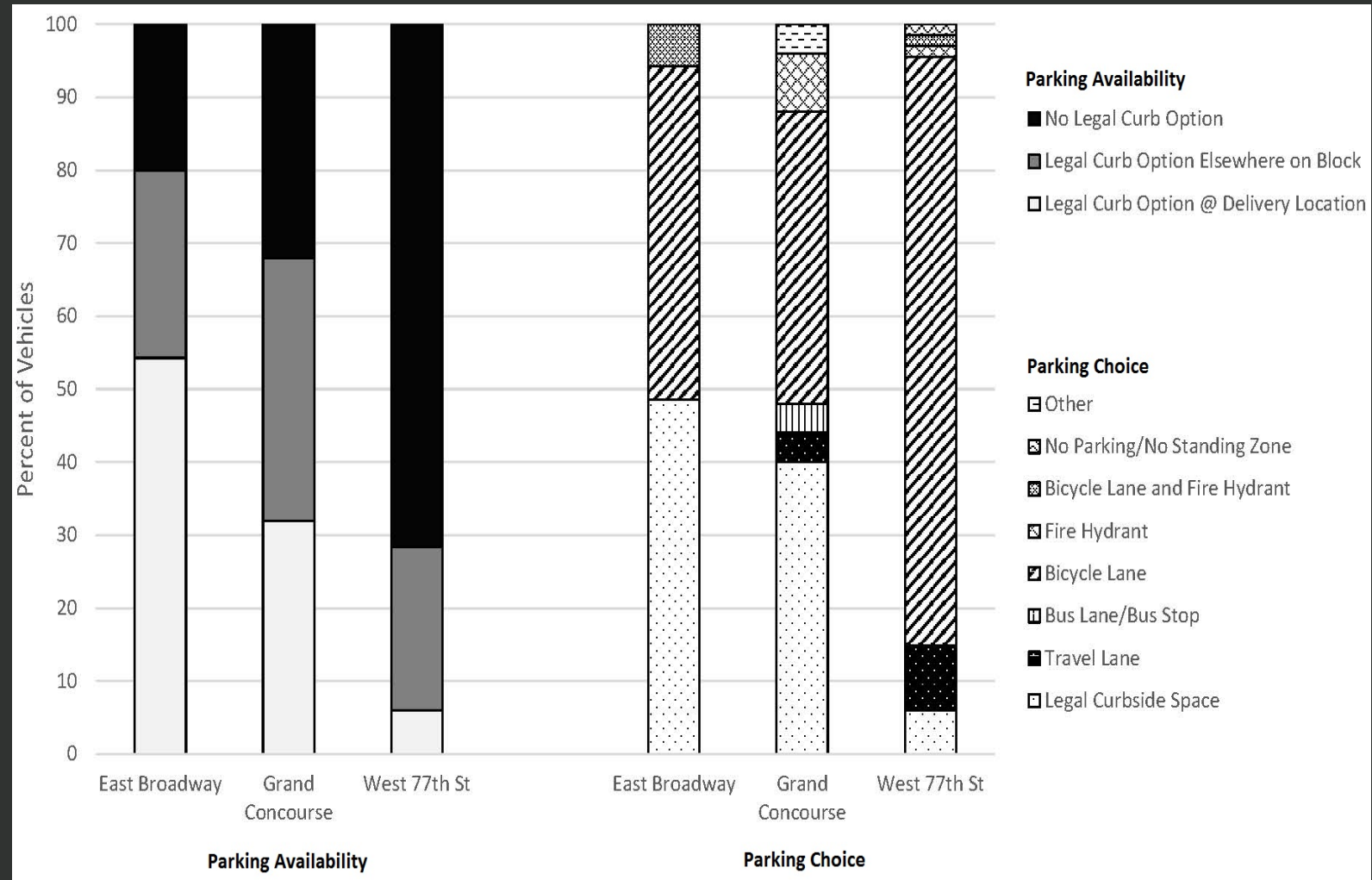


Safety Conflicts and Lane Obstructions

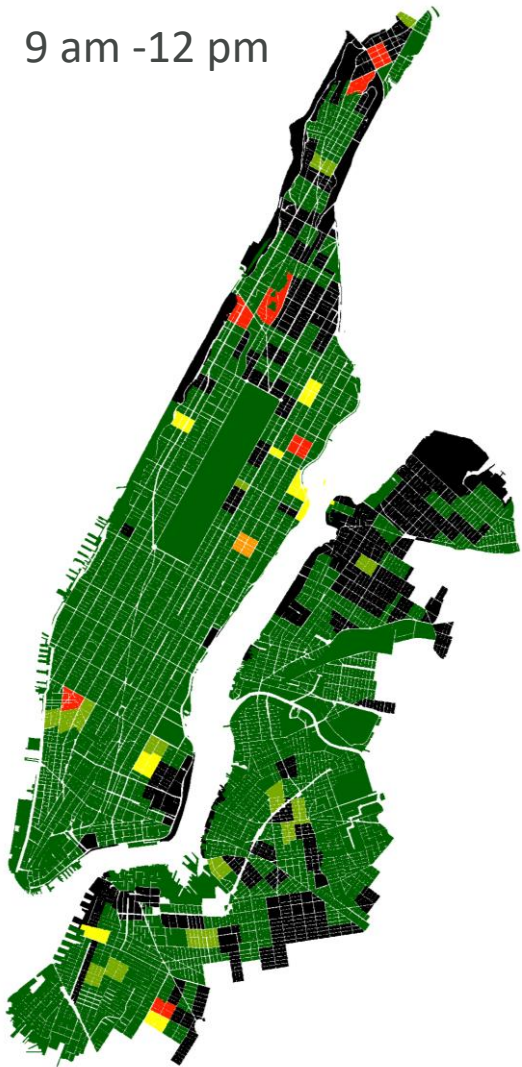


Enforcement

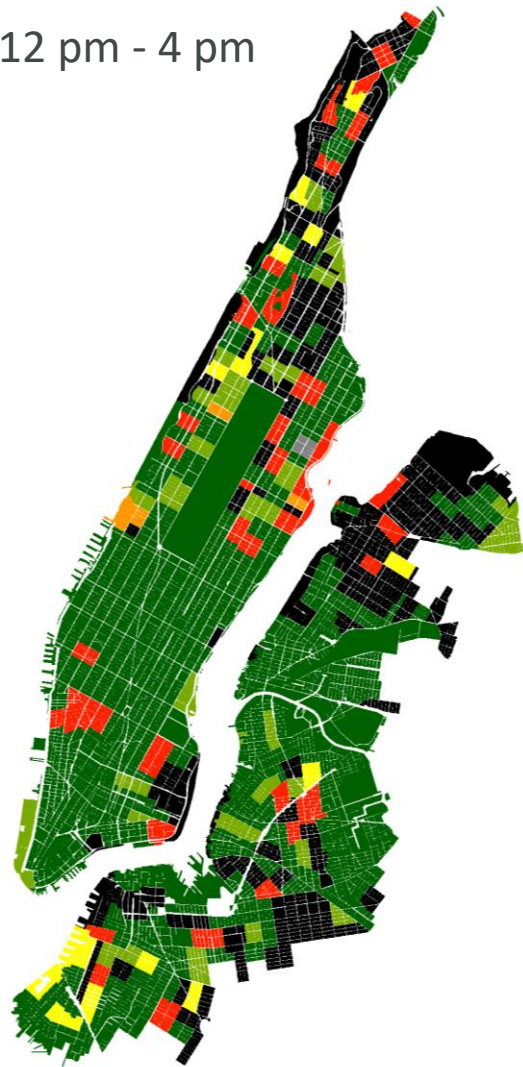
- Ticket = cost of business
- Factors limit costs to major carriers
 - Stipulated fine program
 - USPS not subject to local regulation



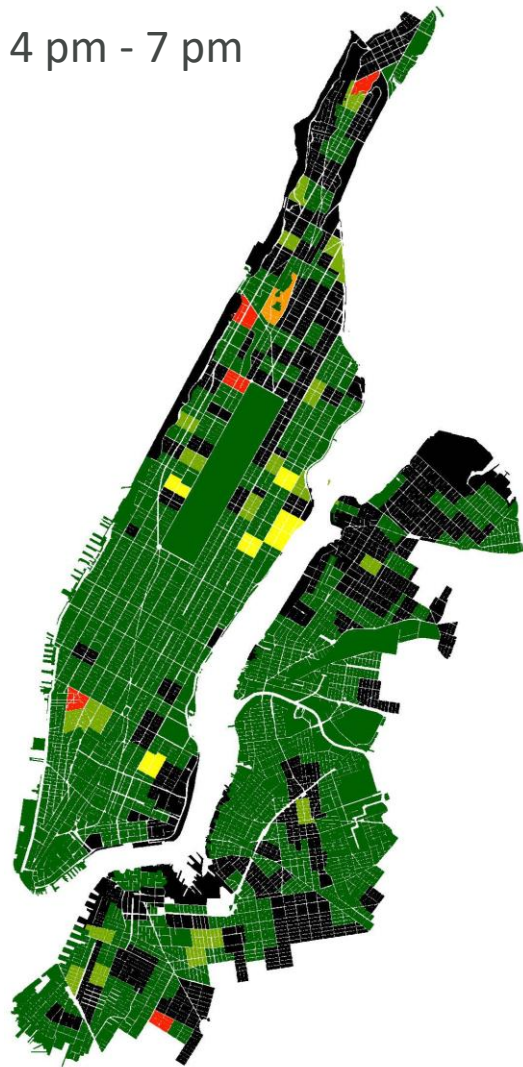
9 am -12 pm



12 pm - 4 pm



4 pm - 7 pm



7 pm - 9 pm



Legend

- No supply
- No Demand

Demand Supply Ratio

- 0.00 - 0.50
- 0.51 - 0.75
- 0.76 - 0.90
- 0.91 - 1.00
- 1.00 +

City Initiatives

- NYC Economic Development Corporation *FreightNYC* Plan
 - Multimodal investments
 - Modern distribution facilities
 - Green supply chains
- NYC Department of Transportation *Smart Truck Management Plan*
 - Coming soon ...
- NYC Congestion Action Plan

Improving Street Design for Freight Activity

Complete Streets Considerations for Freight and Emergency Vehicle Operations



Questions?

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