Freight Village

What it is
What it does
Feasibility in NYMTC region

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DEFINITION OF A FREIGHT VILLAGE

"A freight village is a defined area within which all activities relating to transport, logistics and the distribution of goods, both for national and international transit, are carried out by various operators".
Typical Freight Village

Freight Village Plan
NYMTC Region:

Things To Think About

- Demographics
- Land Use
- Transportation
Employment Trends

Total Employment

Number of Jobs (Thousands)

- National
- 31 Counties
- NYMTC


Job Count: 0, 12000, 24000, 36000, 48000, 60000, 72000, 84000, 96000
Air Cargo Employment

JFK Total Employees: 35,000 \( ^{(1)} \)
44\% related to Air Cargo: 15,400 \( ^{(2)} \)
Trend In Manufacturing

National Employment in Manufacturing (1939 - 2006)

Year

Employees (Thousands)


0 5000 10000 15000 20000 25000
Average Hourly Wage

Average Hourly Wage

NYMTC: $27.17
NJTPA: $20.69
CT: $21.47
Population Density

<table>
<thead>
<tr>
<th>Area</th>
<th>Population Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>NYMTC (Chicago)</td>
<td>5248</td>
</tr>
<tr>
<td>NIPC (Atlanta)</td>
<td>2208</td>
</tr>
<tr>
<td>ARC (S. Ca.)</td>
<td>1406</td>
</tr>
<tr>
<td>SCAG (S. Ca.)</td>
<td>474</td>
</tr>
<tr>
<td>NJTPA</td>
<td>1504</td>
</tr>
<tr>
<td>DVRPC</td>
<td>1409</td>
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</table>
Industrial uses, the warehouses and factories occupying 6,101 acres or four percent of the New York City’s total lot area (1)

West of the Hudson River:
New Jersey has more than 440 million square feet (10,100 acres) of warehousing and distribution space. (2)

45 Million sq. ft of W/DC near Exit 8A of NJ Turnpike. (2)
17 Million sq. ft of W/DC near Exit 10 of Interstate 295 (2)
24 Million sq. ft of W/DC in Eastern Pennsylvania (2)
Transportation

Trans-Hudson River Truck Traffic

Total Truck Volume at NYNJ Toll Facilities

- Truck Volume (Thousands)
- 1985
- 1995
- 2005

- Truck Volume: 228,832
- Trucks Per Day
- 50% Increase
- 1985-2005
Truck Trip Purposes

[Diagram showing various truck trip purposes, routes, and symbols for different types of trips such as through trips, warehouse and distribution trips, and core trips.]
NYMTC Regional Freight Plan Objectives

- Reduce future truck volumes on some roadways
- Improve traffic operations on some roadways
- Increase rail mode share in the region
- Improve environmental quality
- Create a more efficient and cost-effective freight delivery system
Existing International Freight Villages

- 60+ Freight Villages (Intermodal Logistics Center (ILC) in US)

- 11 Countries
  Italy–Spain–Germany–Denmark–Portugal–Luxembourg–Greece–France–Hungary–Ukraine–USA
Das Netz der GVZ (Freight Villages) in Europa (Europlatforms)

- Kooperation auf Europäischer Ebene
- Büro / Vertretung in Brüssel
- Vorsitz derzeit: Italien
- Deutsches Mitglied: DGG – Deutsche GVZ-Gesellschaft
Features: Freight

- Multimodal service
- Warehousing
- Distribution
- Intermodal terminal
- Customs
- Freight forwarders
Features: Ancillary

- Restaurants
- Motel/hotel
- Post office
- Transit service
- Banking services
Administration/Management

- Public-private partnership
- Private ownership/management
Benefits of Freight Villages

- Create an efficient movement of freight
- Accommodate the increase in freight volumes
- Promote economic development
- Reduce truck miles of travel
- Community design/aesthetics
Examples: Large Facility, North America: Illinois
Design: metropolitan areas - Chicago
Design: metropolitan areas
Design: metropolitan areas
Design: metropolitan areas
Design: Suburban
Design: Suburban
European Experience
European Experience: Kiel, Germany
International Experience: Japan
What Criteria Are Used to Determine the Location of a Distribution Facility?

- Infrastructure
- Labor costs
- Proximity to customers
- Community and site characteristics
Regional Freight Plan Preliminary
Sites for Further Analysis
The purpose of this study is to determine the feasibility of developing freight villages in the NYMTC region and to determine how or if they would address the objectives noted above.
NYMTC Feasibility Study

Accomplishments so far:
- Developed scope
- Consultant team in place
NYMTC Feasibility Study

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- Next Steps:
  - Literature search
  - FTWG presentation
  - EOHROTF presentation
Thank You

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