Region 2
UNIVERSITY TRANSPORTATION RESEARCH CENTER

NYSDOT Consideration of Potential Intermodal Sites for Long Island Appendices

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Appendix 1.1: Stakeholder Groups

Community Institutions and Long Island Environmental Organizations

2/03/09	Friends of Edgewood Preserve (they also provided a tour on 2/17/09)
2/10/09	Four Towns Civic Association[1]
2/13/09	Long Island Greenbelt Trail Conference
	Long Island Pine Barrens Society
	Sierra Club, Long Island Chapter
2/24/09	Citizens Campaign for the Environment
2/26/09	Affiliated Brookhaven Civic Organizations
	Brentwood Civic Association
	Medford Taxpayers & Civic Association
	PRONTO
	George and Roberta Pettingill, residents of Dix Hills – not invited
	Nicholas Zuba, legislative aide to Babylon Town Supervisor – not invited
	Matthew Ferdon, aide to Assemblyman Andrew Raia, 9th District – not invited
	Angela Meyer, legislative aide to Senator John Flanagan, 2nd District not invited
2/27/09	Brentwood Summit Council
3/02/09	Islip Town Branch NAACP3/19/09
	Enrico Nardone, Executive Director, Seatuck Environmental Association, Islip

Long Island Business and Planning Organizations

2/13/09	Vision Long Island
2/13/09	Heartland Business Center Long Island Association
2/24/09	Long Island Association
	Long Island Regional Planning Council

Government Entities

2/12/09	Pilgrim Psychiatric Center, NYS Office of Mental Health
2/17/09	Suffolk County Planning Department
2/18/09	US EPA-Region 2
2/25/09	PANYNJ[2]
2/27/09	Nassau County Planning Department

Railroads and Other Interested Parties

2/18/09	Kelvin MacKavanagh, (NJ Short Line Railroad Association, speaking as consultant)

[1] James Ptucha from Four Towns was ill the day we initially met with Laura Mansi. A phone conversation was held with him separately on 2/27/09, but it appears in the following pages along with the meeting notes from 2/10/09.

[2] The first meeting with the PANYNJ did not involve everyone who needed/desired to attend. A follow up meeting was held; the notes incorporate both discussions.

2/18/09	William Galligan (E. of Hudson Rail Freight Task Force, speaking as subject expert)
2/19/09	Anacostia & Pacific
2/19/09	Peter Cohen (Amtrak, but spoke as a former Conrail person)
2/23/09	CSX
2/26/09	NY & Atlantic Railway
3/9/09	John McHugh (E. of Hudson Rail Freight Task Force, speaking as subject expert)
3/18/09	Norfolk Southern
3/20/09	LIRR
3/30/09	Ron Klempner, railroad consultant

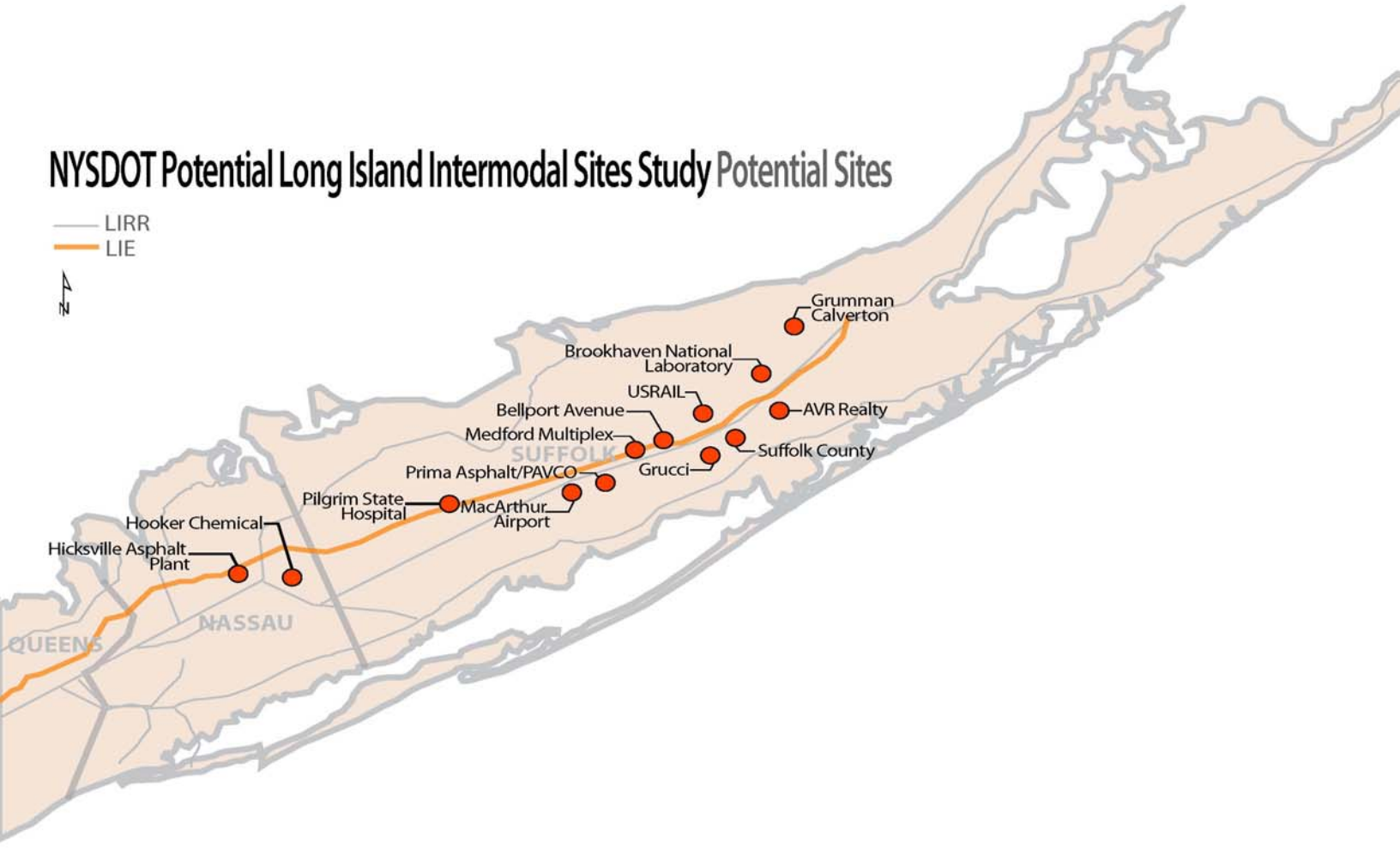
Carriers, Shippers, Warehousing

2/10/09	NY Freight Users Association
2/18/09	NYS Motor Truck Association
2/19/09	NYPort Terminal Company

Appendix 2.1: List of Documents

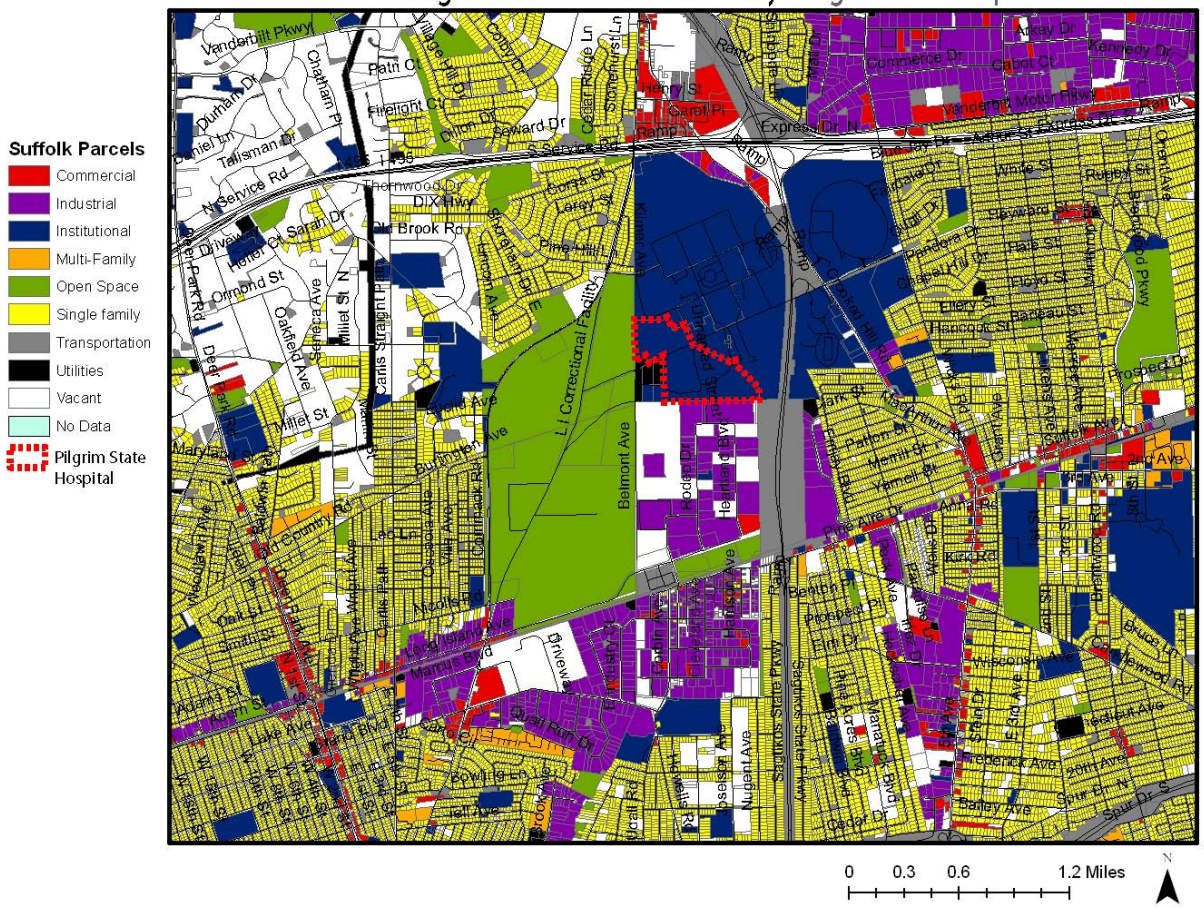
Potential Long Island Intermodal Sites: Task 2: Review and Assess Documents		
Documents Reviewed		
Core Documents	*Data/Document*	*Source/Author*
	LITRIM DEIS	NYSDOT
	LITRIM DEIS comments/responses	NYSDOT
	Documentation of comments during EIS process	
	[Re-designed/down-scaled Pilgrim proposal]	NYSDOT Region 10
	NYMTC: Case for Pilgrim	NYMTC
	Pilgrim Intermodal Freight Transportation Center: Study of the Feasibility	NYSDOT/Parsons
	Cross-Harbor Tunnel DEIS	NYCEDC
	NYMTC Potential Yard Site Survey	NYMTC
	NYMTC Freight Plan	NYMTC
	2030 Freight Rail Forecast Update: Pilgrim Intermod	CamSys/DOT
Secondary Docs	[other Cambridge Systematics Reports]	[Cambridge Systematics]
	Heartland Town Square DEIS	Suffolk
	Truck Terminals and Warehouses Survey Results	NYMTC
	LI2035 Documents	
Additional Docs	Review of Friends of Edgewood Oak Brush Plains State Preserve, "Averting a Health Crisis and Environmental Disaster in Western Suffolk County," December 2008	Friends of Edgewood Preserve
	Selected Growth and Development Areas, Suffolk County, NY, August 2006 by Suffolk County Department of Planning	Suffolk County Dept. of Planning
	Suffolk County SPGA Report	Suffolk County
	"Characteristics of Urban Freight Systems Final Report," Dec. 1995, DOT-T-96-22 by University of Tennessee and University of Memphis	Universities of Tennessee and Memphis
	Documents Intended for review but not available	
	Transearch	Reebie/PA/DOT

APPENDIX 3.0: Long Island Map



APPENDIX 4.0: Site Land Use Maps and Aerial Photos

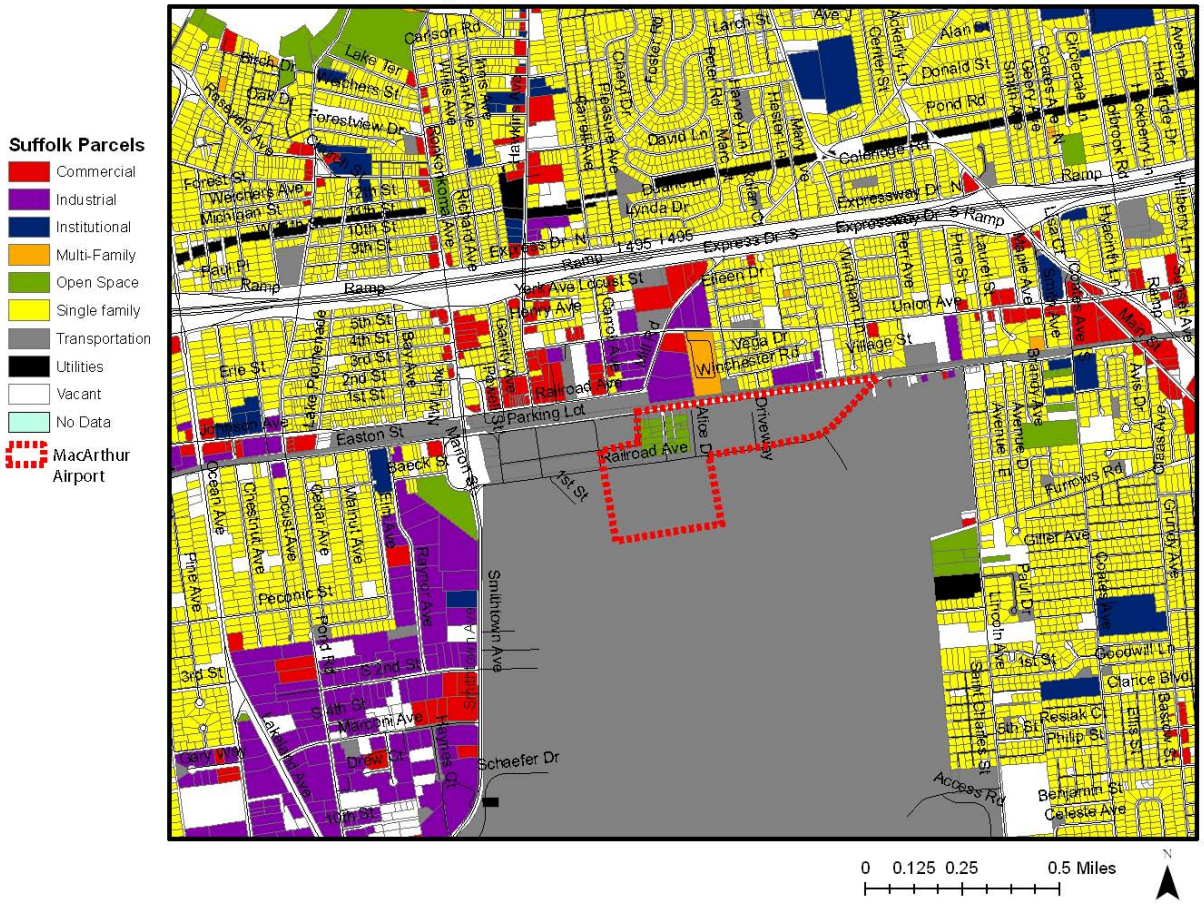
NYSDOT Potential Long Island Intermodal Sites Study . Pilgrim State Hospital . 111 Acres



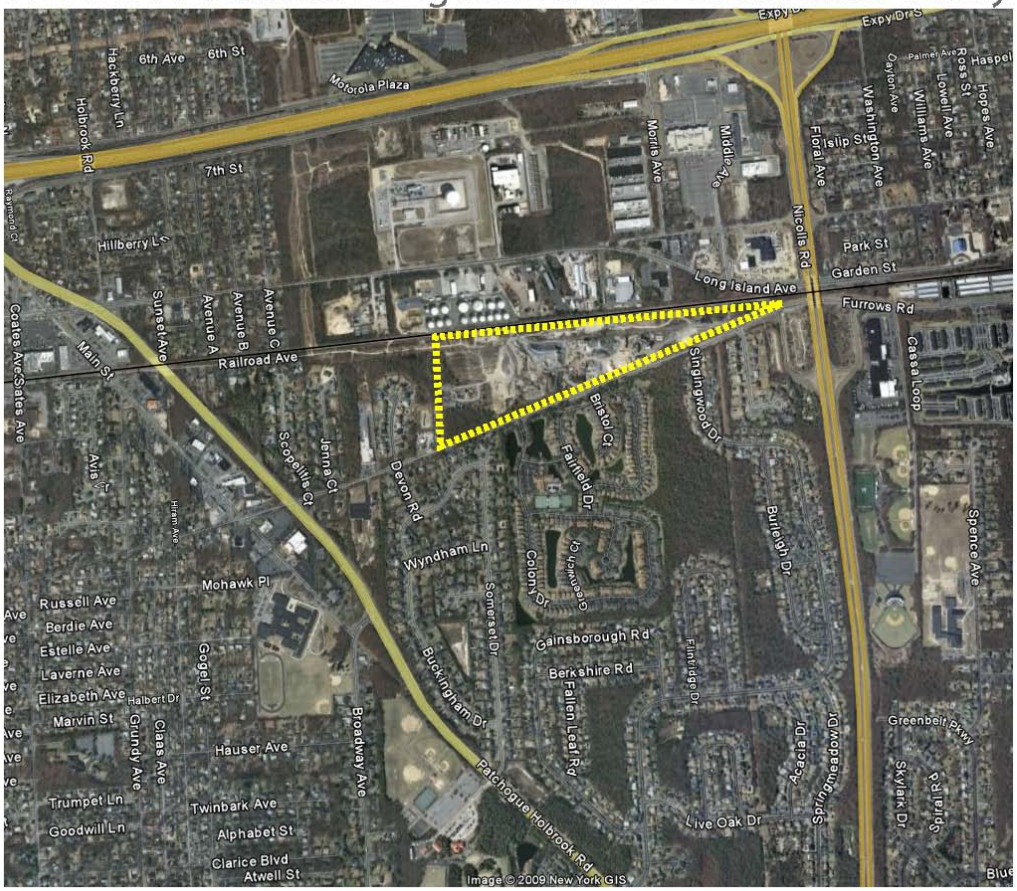
NYSDOT Potential Long Island Intermodal Sites Study

MacArthur Airport · 94 Acres

NYSDOT Potential Long Island Intermodal Sites Study . MacArthur Airport . 94 Acres

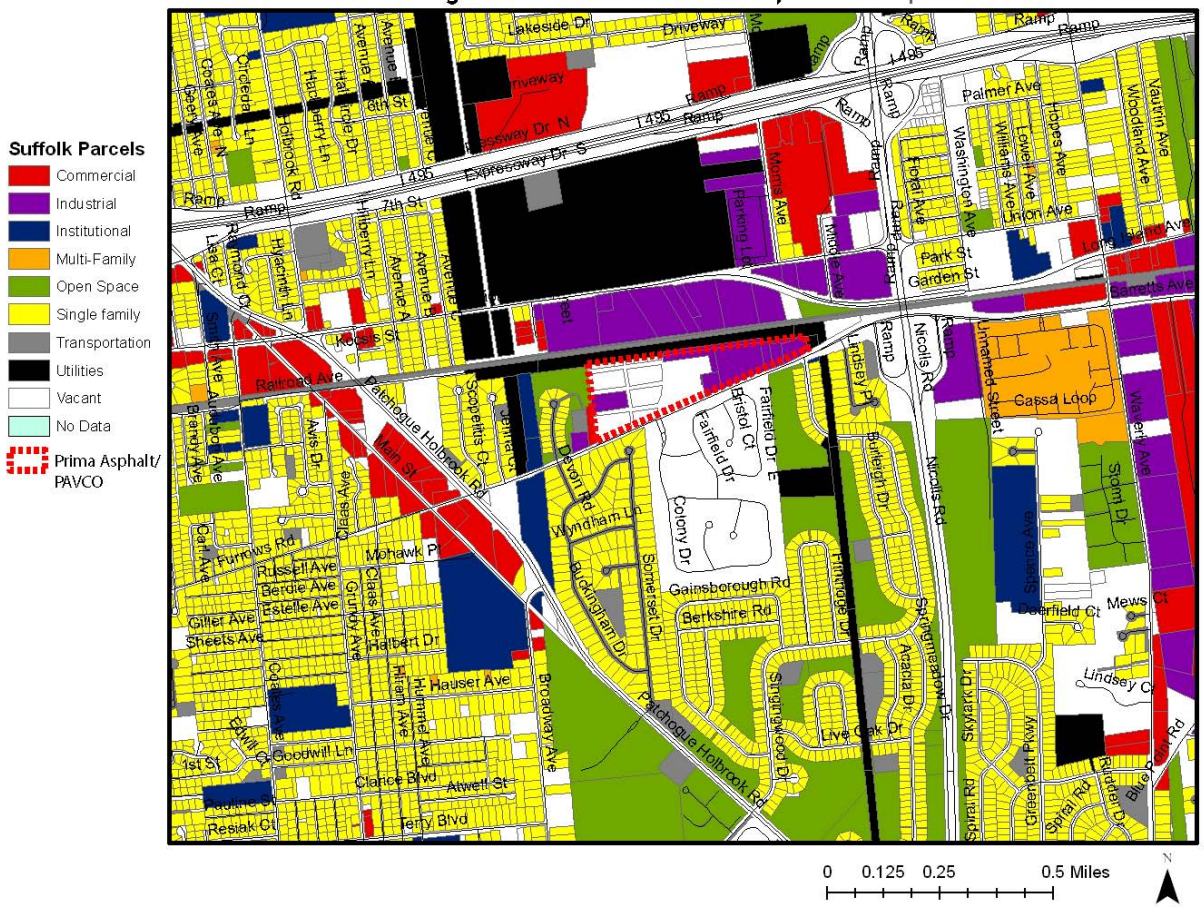


NYSDOT Potential Long Island Intermodal Sites Study

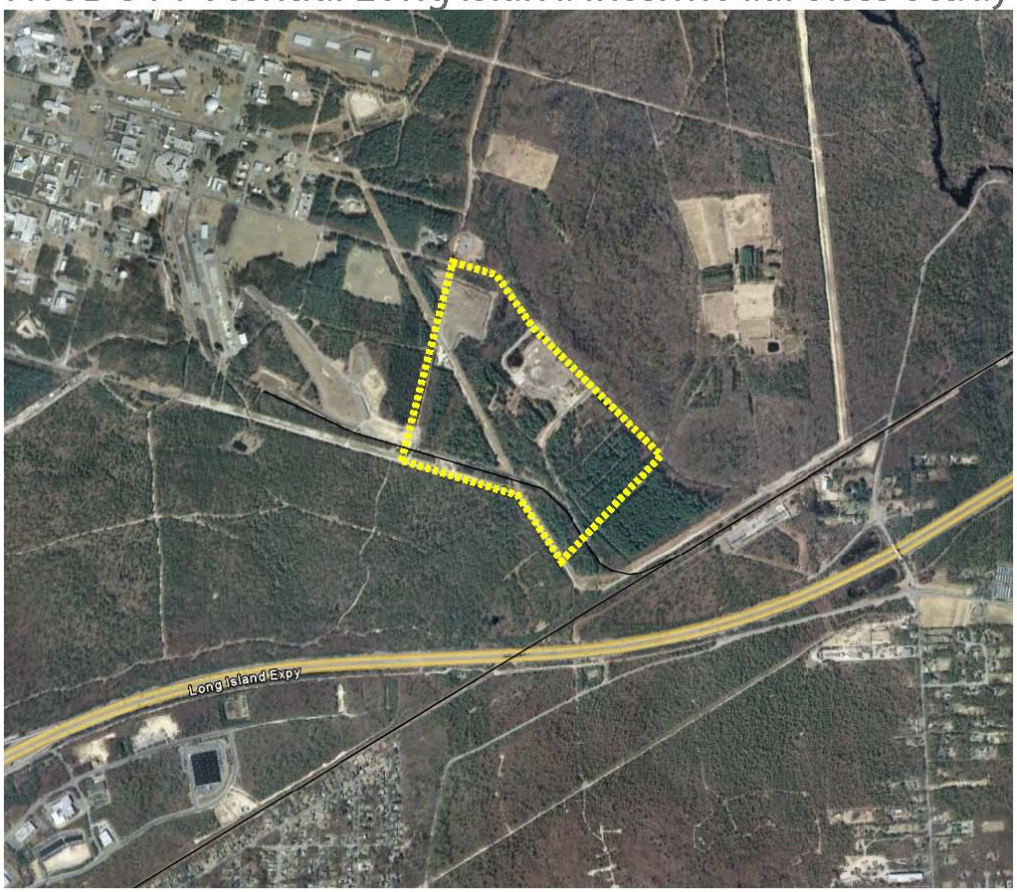


Prima Asphalt/PAVCO · 34 Acres

NYSDOT Potential Long Island Intermodal Sites Study . Prima Asphalt/PAVCO . 34 Acres



NYSDOT Potential Long Island Intermodal Sites Study



Brookhaven National Laboratory . 137 Acres

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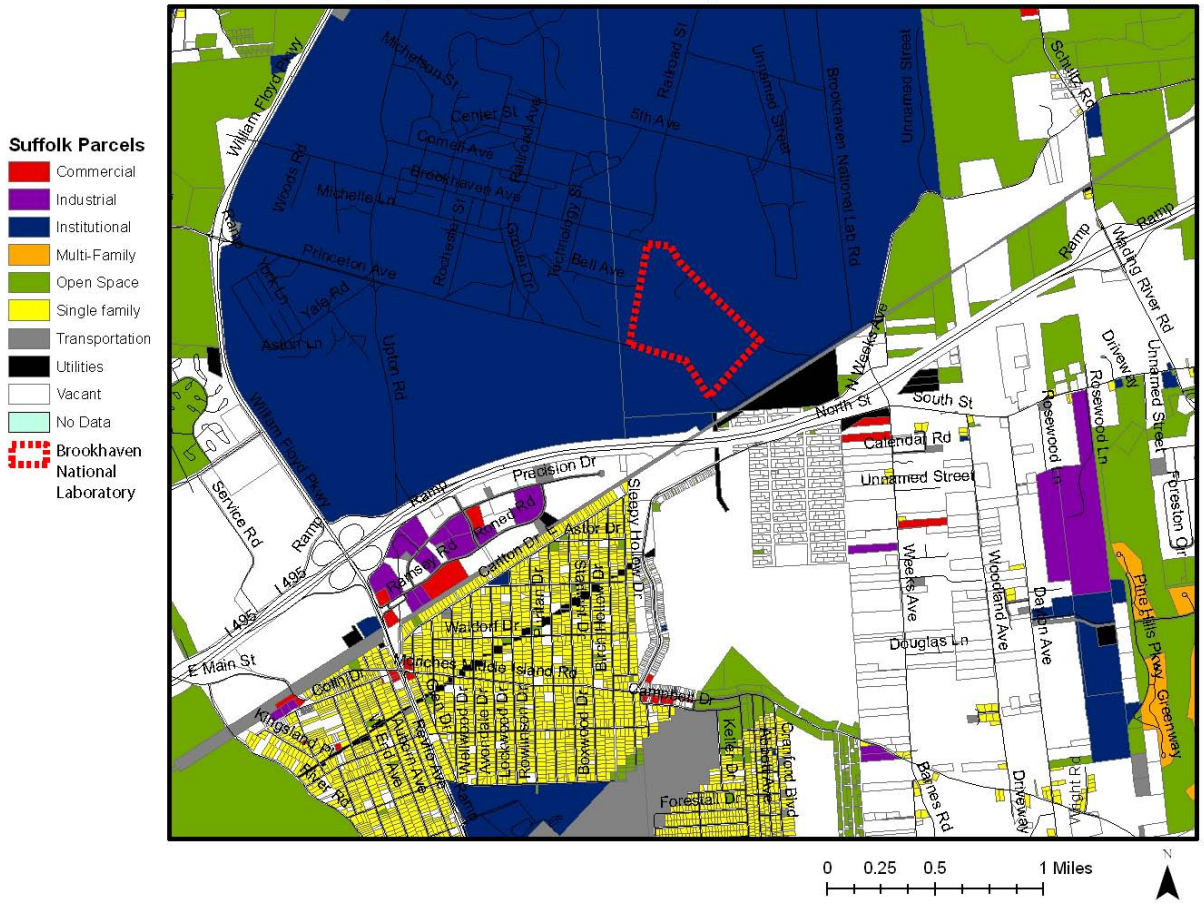
NYSDOT Potential Long Island Intermodal Sites Study . Brookhaven National Laboratory . 137 Acres



NYSDOT Potential Long Island Intermodal Sites Study

Grumman Calverton • 51 Acres

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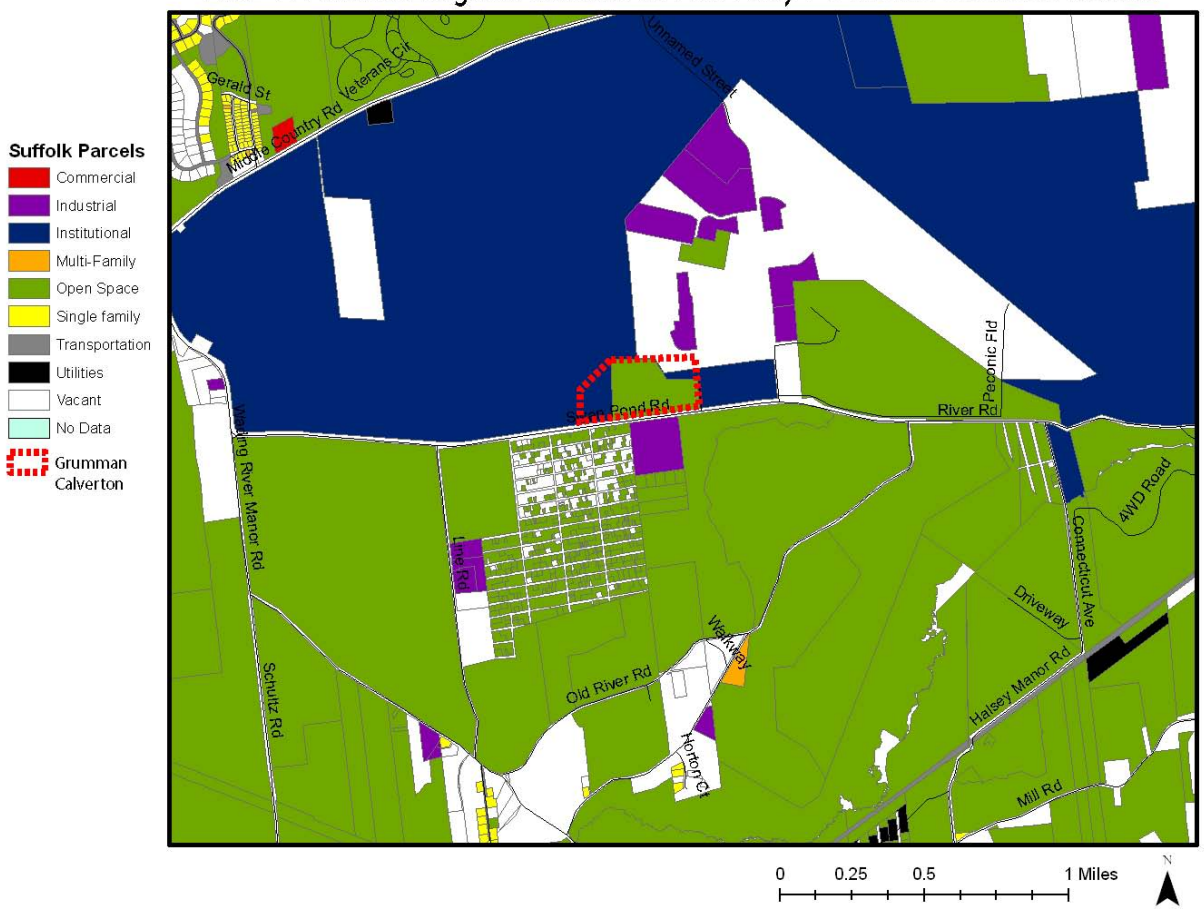
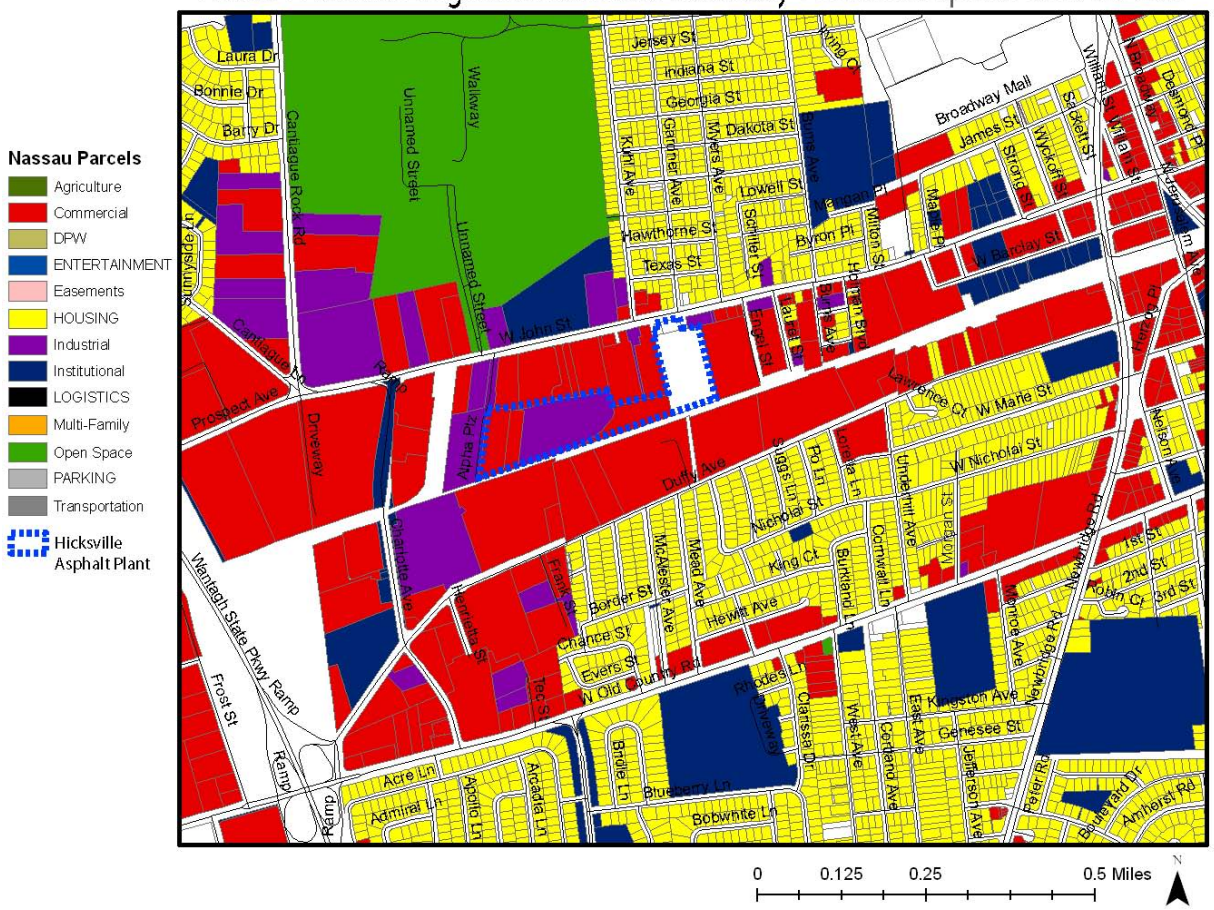
NYSDOT Potential Long Island Intermodal Sites Study . Grumman Calverton . 51 Acres



NYSDOT Potential Long Island Intermodal Sites Study

Hicksville Asphalt Plant . 18 Acres

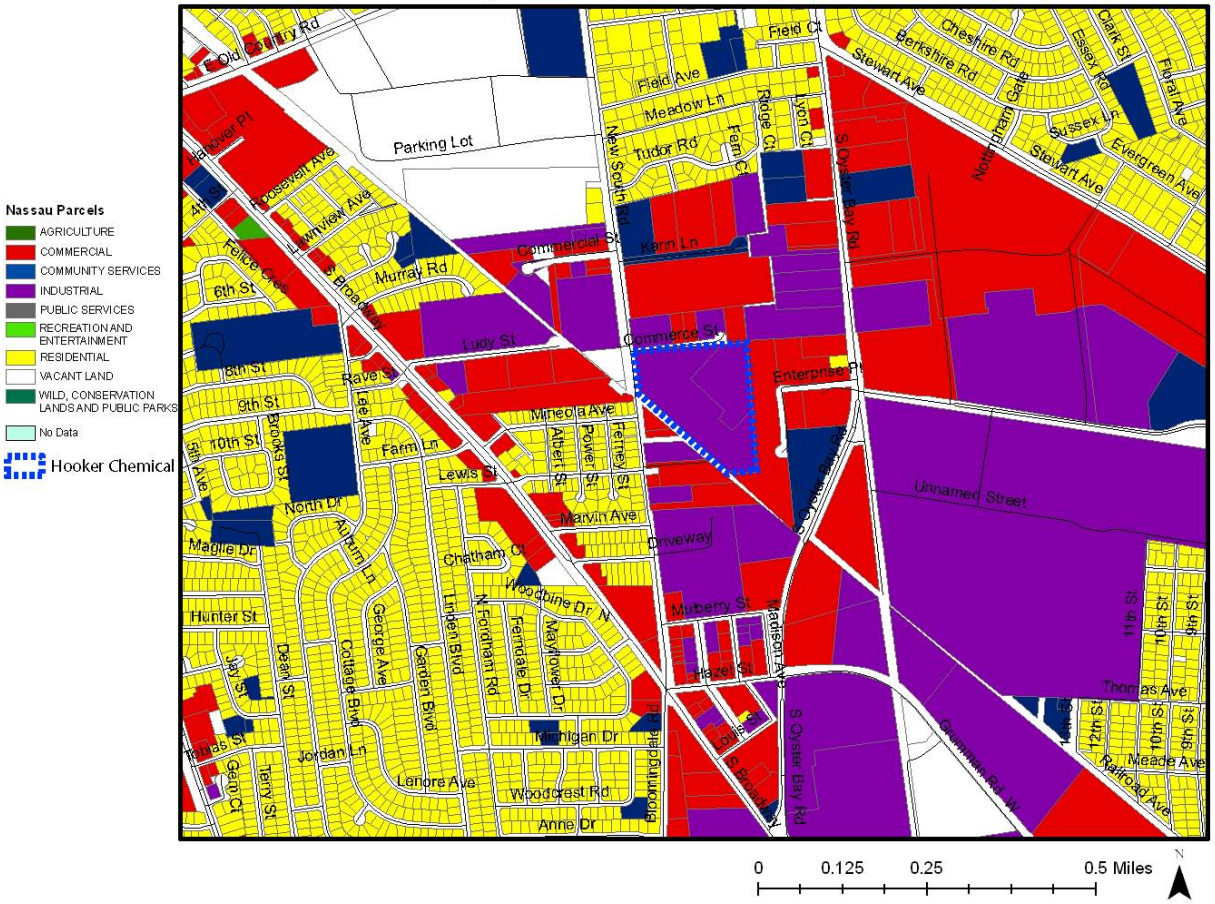
NYSDOT Potential Long Island Intermodal Sites Study . Hicksville Asphalt Plant . 18 Acres



NYSDOT Potential Long Island Intermodal Sites Study

Hooker Chemical - 17 Acres

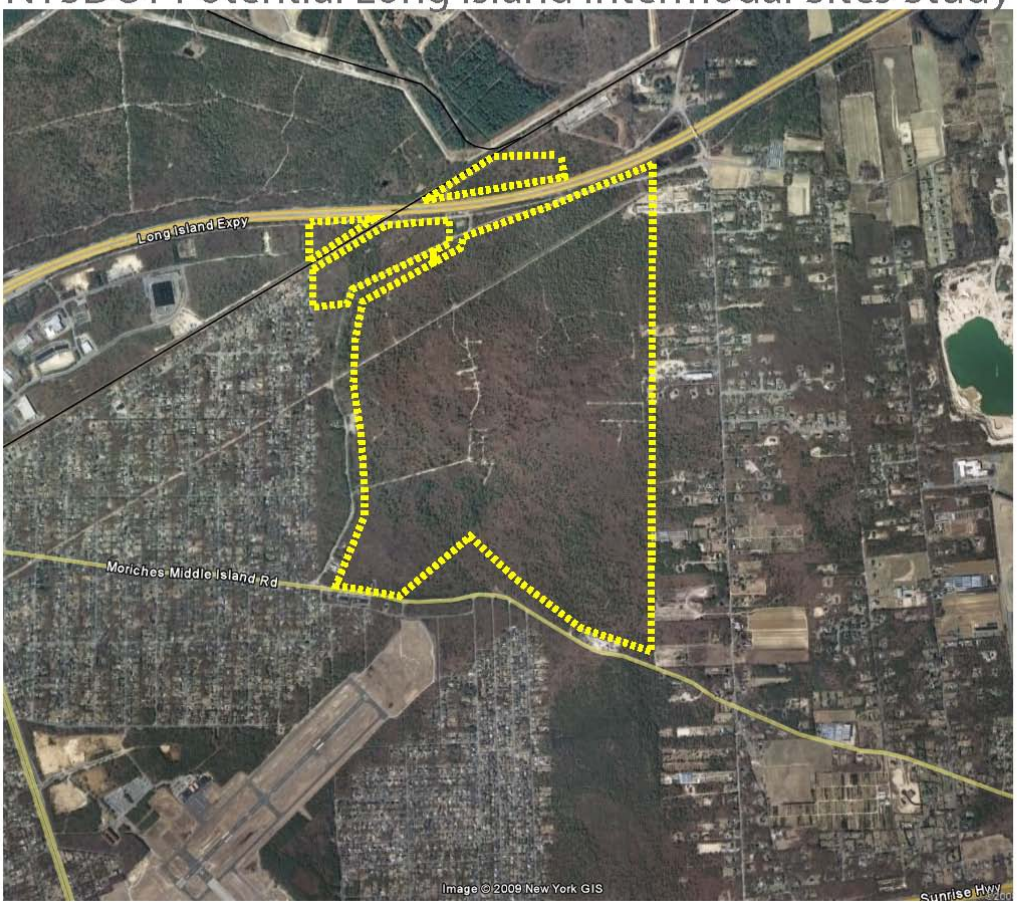
NYSDOT Potential Long Island Intermodal Sites Study . Hooker Chemical . 17 Acres



NYSDOT Potential Long Island Intermodal Sites Study

NYSDOT Potential Long Island Intermodal Sites Study . Medford Multiplex . 92 Acres

NYSDOT Potential Long Island Intermodal Sites Study



AVR Realty · 660 Acres

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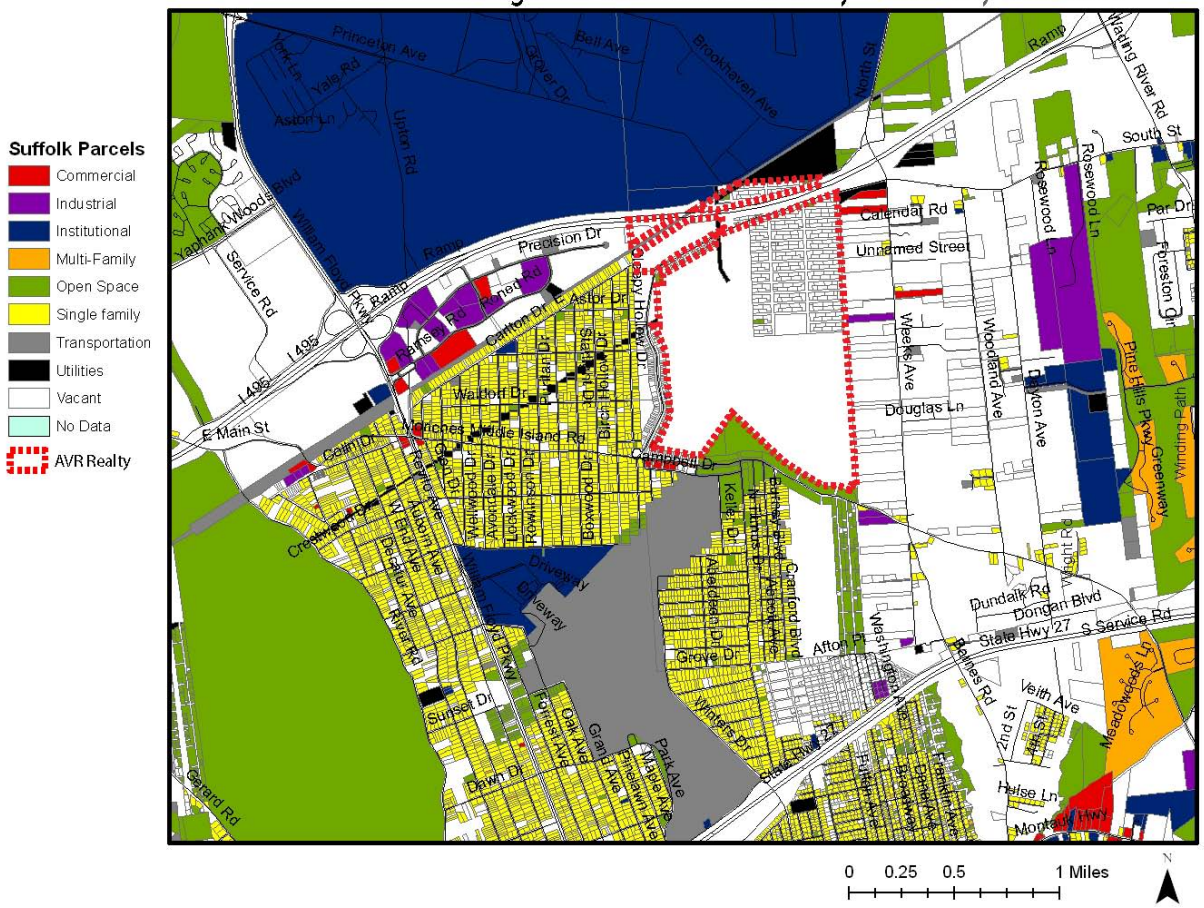
NYSDOT Potential Long Island Intermodal Sites Study . AVR Realty . 660 Acres



NYSDOT Potential Long Island Intermodal Sites Study

Bellport Avenue · 109 Acres

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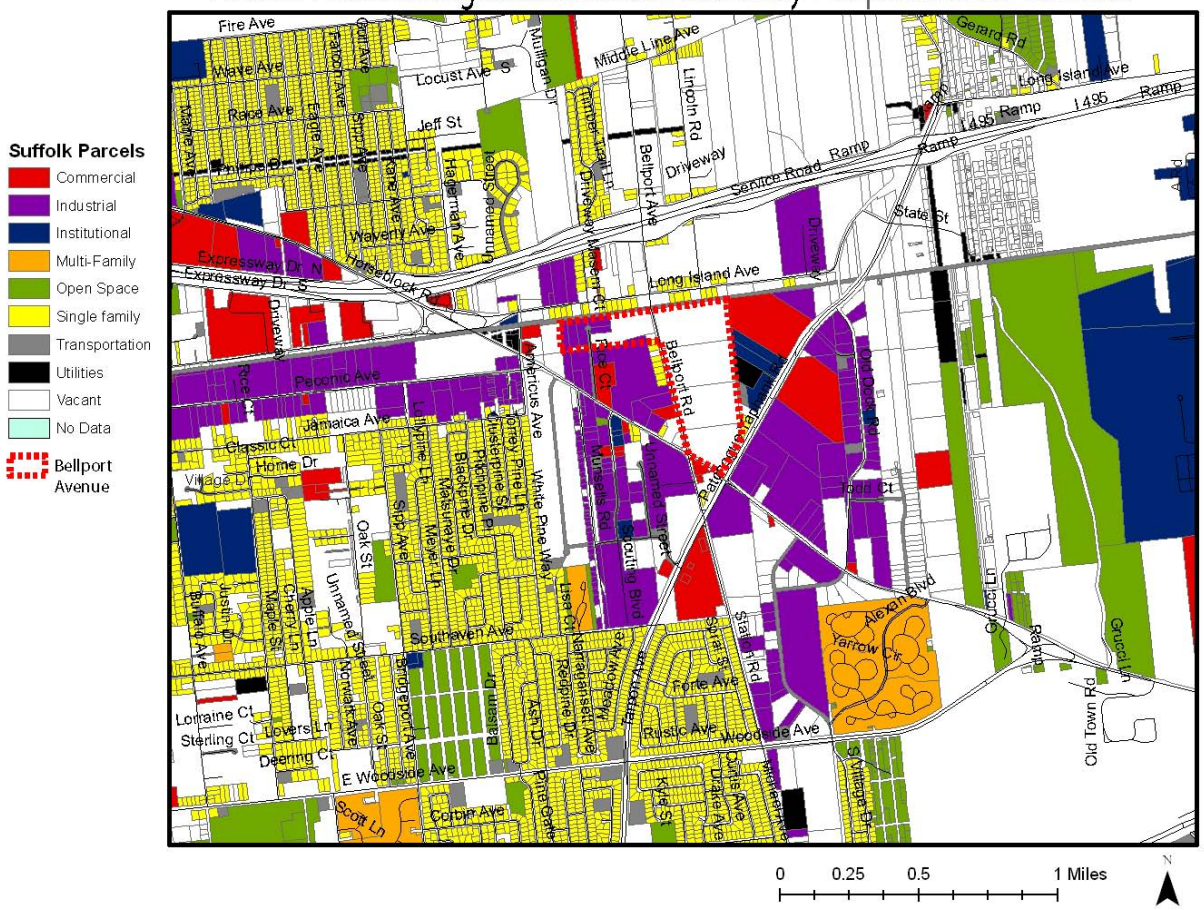
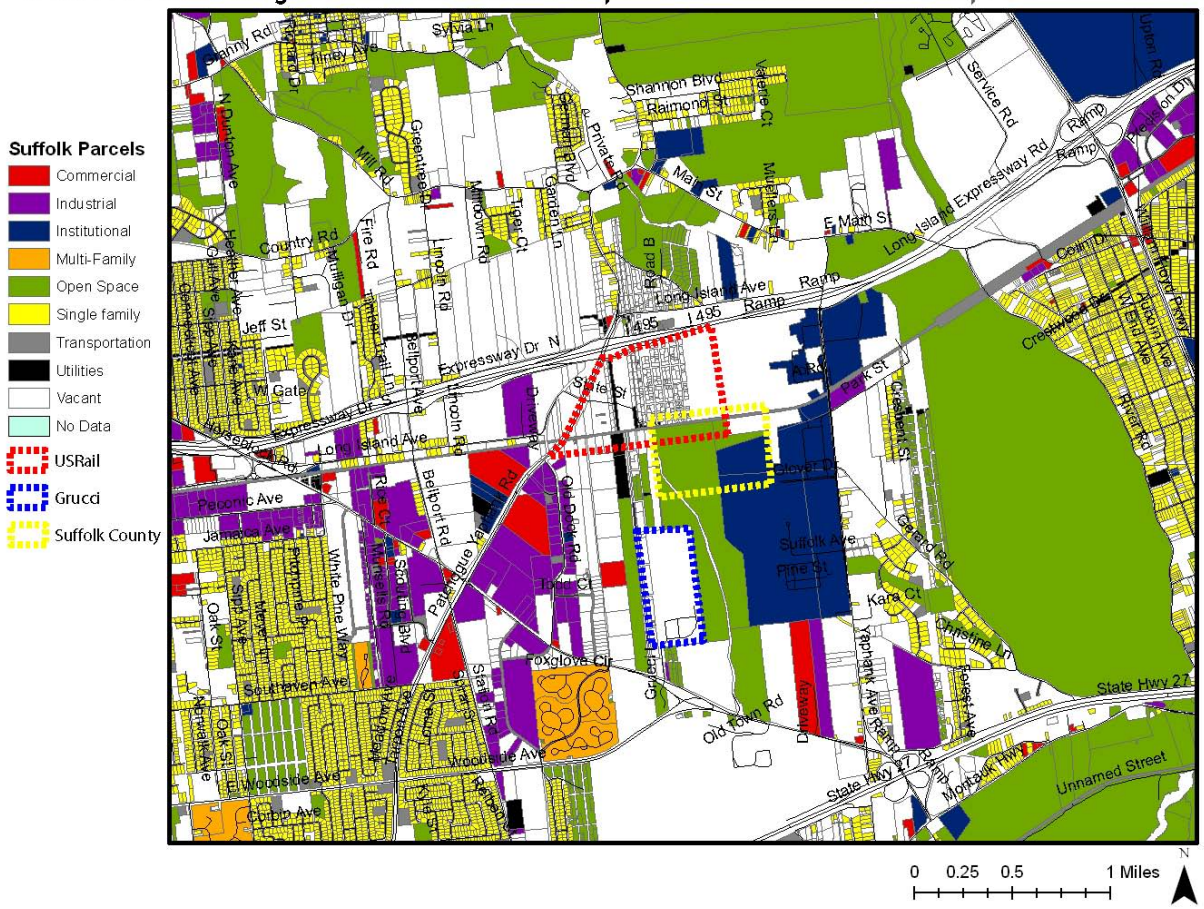
NYSDOT Potential Long Island Intermodal Sites Study . Bellport Avenue . 109 Acres



NYSDOT Potential Long Island Intermodal Sites Study

USRail . 240 Acres
Grucci . 89 Acres
Suffolk County . 158 Acres

NYSDOT Potential Long Island Intermodal Sites Study . USRail - Grucci - Suffolk County . 240 - 89 - 158 Acres



APPENDIX 5.0: ANALYSIS OF SITES FOR THE LONG ISLAND TRUCK/RAIL TRANSFER FACILITY

Introduction

Appendix 5 responds to one of the three major questions posed in Chapter 1; what are the appropriate locations for truck/rail transfer facilities on Long Island?

This is accomplished in a two-step process. In the first step 13 sites, five that were identified in the DEIS for the Pilgrim State Hospital site plus eight that arose during the course of this Study, are screened in terms of five essential criteria pertaining to their locational and physical attributes; namely sufficient acreage, access to the LIRR and LIE, appropriate configuration and proximity to potential users of the facility. In the second step, the sites that satisfy the screening criteria are further analyzed in terms of their current use, opportunities for expanding transfer operations and linkages to warehousing, immediate surroundings and regulatory controls affecting development.

The May 2007 Draft Environmental Impact Study (DEIS) for the Long Island Truck-Rail Intermodal Facility (LITRIM) identified 18 sites, in addition to Pilgrim State Hospital. This Study considers eight of the 19 sites, including Pilgrim. The other 11 sites were eliminated for essentially the same reasons cited in the DEIS: insufficient land, unsuitability and inaccessibility to major truck routes and rail lines. (See Table S-1, Site Selection Decision Matrix in the DEIS)

Although three of the sites cited in the DEIS were rejected in this Study as full-fledged truck/rail transfer locations, they may have a role to play within a larger truck/rail system. Even though the Garden City Team Track is presently under a moratorium for freight traffic, it could be reactivated as a small bulk handling facility as part of a larger truck/rail transfer system. Likewise, Pine Aire Terminal, now used by the New York and Atlantic Railway to store freight cars, could function as part of a transfer network. While the Heartland Business Center is not suitable as a transfer facility because it is already developed, its warehouses could be a valuable adjunct to a facility at Pilgrim if they were connected directly to it by rail sidings.

Five sites from the DEIS were retained for analysis in this Study.

Pilgrim State Hospital: The only site to satisfy all five selection criteria in the 2007 DEIS and a leading candidate for a truck/rail facility.

MacArthur Airport: Expanded to include the Islip compost station to create a large site.

Prima Asphalt/Pavco: Although rejected by the DEIS because of its insufficient size, this Study considers it large enough for truck/rail transfer operations.

Brookhaven National Laboratory: The reason for rejecting this site in the DEIS, because it is not centrally located, is much less compelling in light of the Study's research on the location of a transfer facility in relation to its potential users.

Grumman Calverton: This site was retained for two reasons; the importance of Suffolk County in the market for a truck/rail transfer facility and the fact that the Town of Riverhead is studying the suitability of the site for economic development, including truck/rail transfer.

Screening of Sites by Essential Criteria

The five essential criteria employed to screen the 13 sites are almost the same as those used in the DEIS. The main changes are that in addition to east-west truck routes, north-south routes are considered and "central location" is redefined as "proximity to users of the facility". The criteria are:

Sufficient Land Available: Although truck/rail transfer facilities for handling bulk freight can be as small as a few acres, a major yard capable of handling a significant share of geographic Long Island's truck-rail transfer bulk needs should be at least 15 to 20 acres. An "intermodal" facility for transferring containerized freight between railcars and trucks would ideally be somewhat larger, on the order of 30 acres or more. For containers, larger yards and/or sites with developable space on-site or in the immediate vicinity are preferable as they permit expanded transfer operations, warehouses and buffering from nearby sensitive uses.

Access to the Long Island Railroad (LIRR): This criterion refers to access to LIRR lines that carry freight. Ideally a freight-carrying rail line, a spur line or a siding should be directly adjacent to the site and there should be a minimum of grade crossings of significantly traveled roads between the LIRR and the site.

Access to Truck Routes: The primary requirement is proximity to an east -west bound interchange of the Long Island Expressway (LIE), the main east-west route on the Island, or to the Sunrise Highway, or to separate east and west bound interchanges. Access by trucks to through north-south roads is also important. Access to the LIE or Sunrise should be on county through streets to minimize disruptions to residential neighborhoods.

Suitability of the Site: Suitability refers to the functional appropriateness of a site for operating the truck/rail transfer facility, excluding the impact that it might have on its environment. A generally rectangular site with a long side along the rail line is preferable for truck/rail transfer operations and to enable trains to quickly clear the LIRR tracks. It should not present major physical obstacles to developing the transfer facility, such as highly uneven topography.

Proximity to Users of the Facility: Even though a facility in central Suffolk County may be favorably located in regard to markets, research conducted for this Study concluded that one further to the east would also serve a significant customer base. For example, 60% of the industrial space in the two counties is in Suffolk as is two-thirds of the commercial space proposed for development.

Table 4-1 summarizes how the 13 sites measure up to the five screening criteria. Five of the sites were considered in the DEIS and eight were suggested by the Friends of the Edgewood-Oak Brook Plains State Preserve, the Suffolk County Planning Department and other sources. Eight of the 13 sites are east of the Pilgrim site, including two – Brookhaven and Calverton – that were eliminated by the DEIS because of their distance from freight users, but are reconsidered in this Study..

Each of the 13 sites is discussed below in terms of the five essential criteria, starting with the five sites carried over from the DEIS and then generally running from west to east for the eight other sites. Appendix 4 contains aerial photographs and land use maps of the 13 sites to consult in conjunction with the narrative report.

In addition to being convenient to many users of a truck/rail transfer facility, sites in central and near eastern Suffolk County, between LIE exits 64 and 71 of the LIE, have much to commend them. They are large, usually with room for expanded operations, on-site warehousing or buffering and tend to be held by a few owners. They are commonly adjacent to the LIRR and for the most part proximate to the LIE. Local roads connecting the sites to the LIE are not heavily used and do not interrupt residential areas. The sites are more likely to be at a distance from neighbors, thereby lessening their adverse environmental effects on residents or public facilities. (Chapter 5 shows how many people live within one-half mile of each site.)

It should be noted that other apparently suitable sites near the 60s exits of the LIE were identified. However, these sites require rail spurs through private properties and across roadways, in one case the LIE, to gain access to the LIRR. Generally, it is much easier to improve roadway than rail connections to the sites.

Pilgrim State Hospital

From the viewpoint of the essential screening criteria the advantages of this site are that it is sufficiently large, 105 acres; suitable for bulk and container freight; owned by New York State; presently vacant and does not have any physical impediments. Furthermore, it is served by an unused LIRR rail spur that would have to be rebuilt and extended into the site, enabling trains to be rapidly cleared from the main tracks. The site itself is well - shaped for transfer operations. It is 1.8 miles from the east-west exit 53 of the LIE, which this Study believes would serve two-thirds to three quarters of the truck traffic, and accessible to County Roads (CR) 4 (Commack Road) and CR 13 (Crooked Hill Road) for north-south truck travel. Trucks going to and from the site would not disrupt residential areas.

Pilgrim is proximate to major markets for the truck/rail transfer facility. The 300-acre Heartland Industrial Park, with its large share of businesses that could be potential receivers of goods, is directly adjacent to the site. The 1,400 - acre Hauppauge Industrial Park is close by and many industrial, warehouse and wholesale establishments are clustered along the Expressway within a few miles of the site.

A disadvantage is that the facility would add truck traffic to an area now coping with two new shopping malls, on Crooked Hill Road and Long Island Avenue, and confronting the proposed huge Heartland Town Center. Some ramp improvements will be needed to the LIE as well as to local access roads (e.g. Crooked Hill Road) leading to the facility and to Commack Road for north-south truck traffic.

MacArthur Airport Expanded

This site, suitable for both bulk shipments and containers, consists of the northeast corner of MacArthur Airport, plus the Town of Islip compost station, totaling almost 100 acres. It could be further expanded by adding peripheral airport land. The site's long, narrow shape is conducive to efficient transfer operations and to clearing LIRR tracks. It consists of 26 parcels owned by two public bodies. The east –west Exit 59 of the LIE is a1.5 mile drive away on through streets along residential areas. The site is convenient for freight users; a sizable industrial park lies very close and the Town of Islip has over 20 million square feet of industrial space

On the "con" side, public ownership may present a problem, as might the operation of a transfer facility on the edge of the airport. The DEIS notes that freight trains would need to move to the west to get to the site and that Railroad Avenue would have to be crossed by the trains. County planners note that the roads between the LIRR station and the LIE are heavily traveled and may become more so when the proposed Ronkonkoma Hub project is built. County roads 19 and 93 provide north/south routes for trucks.

Prima Asphalt/Pavco

Weighing in at 47 acres, this triangular site, now used by manufacturers of asphalt and concrete, consists of 24 parcels concentrated among a few private owners. It is well - shaped and large enough for bulk and container transfer operations. It is on a main line of the LIRR and has an active rail siding. The site is 1.2 miles from the east – west bound Exit 62 of the LIE on a local through road that does not interrupt residential areas. County roads 97 and 61 facilitate north/south travel. Roadway access at the site and to the LIE will need to be improved.

Brookhaven National Laboratory

This flat 135-acre site has several points in its favor and a big drawback. Disqualified in the DEIS because it was not centrally located, it should be reconsidered in light of the Study's findings on the geography of the market for freight transfer in Suffolk County. The site is owned by one party, the federal government, is very suitable for bulk and container operations and has sufficient land for both the transfer facility and

warehousing. It is 3.5 miles from the east-west Exit 69 of the LIE and a spur of the LIRR is on the site.

The drawback is that the site is part of the high-security Brookhaven National Laboratory, where very sensitive nuclear research is conducted. Lesser considerations are providing a roadway link between the site and local roads leading to the LIE, which probably entails crossing the LIE. North/south road connections from the site are not very direct

Grumman Calverton

As with Brookhaven, Calverton should be reassessed in view of the Study's conclusions on the market for freight service. Although delineated in the DEIS at 50 acres, the site can easily be expanded and is physically suitable for bulk and container freight transfer . It lies 3.3 miles from the west -bound Exit 71 of the LIE and east bound State roads (the LIE ends about two miles east of Exit 71) and has a rail siding connecting to the LIRR main line. Southern access is available on County Roads 55 and 25.

The owner of the site, theTown of Riverhead, is currently examining options for developing the tract, including an intermodal facility. The assumptions or findings of this study were not available when this report was written.

Hicksville Asphalt Plant

The 18-acre Hicksville asphalt plant site, with seven parcels and four private owners, is suitable for bulk transfer for customers in heavily developed parts of Nassau and Suffolk Counties. With its rectangular shape it is properly configured for transfer operations and the long exposure to the adjacent LIRR tracks will allow for the easy clearance of trains. The site is 2.5 miles from the east-west Exit 41 of the LIE along main and secondary roads that do not interrupt residential areas. North - south access is within one mile on County main through roads 106 and 107.

Hooker Chemical

This 17- acre site in Hicksville, formerly occupied by a chemical factory, is held by a single private owner. It could serve bulk transfer for the same Nassau/Suffolk market as the Hicksville Asphalt site. It is properly shaped, a long side of the site is adjacent to the LIRR tracks and it has an on-site rail spur. It is about 3.5 miles from the east-west Exit 43 of the LIE on roads that do not interrupt residential areas. North -south travel is along County main (CR 107) and secondary routes. Local access from the site to the road going north to the LIE (and to the south) could pose a problem.

Medford Multiplex

This 92 acre wedge – shaped site, composed of 13 privately - owned parcels, the largest of which was the defunct Medford Multiplex Cinema, is eminently suitable for both types of freight transfer and conducive to rapid clearing of the rail tracks. The LIRR runs along the long southern edge of the site, although a grade crossing will be needed across Long Island Avenue to connect it to the site. The LIE runs directly along the northern edge. The narrow eastern end of the wedge abuts the east - bound Exit 65

of the LIE while the east – west bound Exit 64 is 2.0 miles away on through roads that do not disrupt residential areas. North – south traffic could take nearby County main through route CR 112 and other County roads.

USRAIL Expanded

While the USRAIL site itself is only 20 to 30 acres, there are undeveloped parcels to the east and south that could be acquired to create a flat, well – shaped and buildable site of 200 or more acres, suitable for bulk and container operations. Although the site is composed of 259 legal parcels, around 90% are small lots from a mapped, undeveloped subdivision that may be closely held, easing land acquisition.. The site lies directly south of the LIE and the LIRR passes right through it. Sills Road (CR 101), the western edge of the site is 1/2 mile from the west - bound Exit 66 of the LIE, while the east -bound Exit 65 is within two miles. County roads 101/21 and 112 provide north- south service, although the latter is around three miles to the west.

The site requires road improvements. If as an alternative to LIE Exits 65 and 66 a combination of LIE Exits 66 and 67 is used, the LIE's frontage roads will need to be extended and ramps expanded. Also, the LIE will have to be crossed to link the site with the west -bound frontage road.

Suffolk County

This 150-acre undeveloped and buildable site is appropriate for bulk and container transfer operations. It is owned by Suffolk County, which may be an advantage or disadvantage for acquisition. The LIRR runs right along the site's northern boundary. Its main physical disadvantage is that it is not directly on a public road. Connections could be made to the east through other County land to CR 21 (Yaphank Road), which leads to the east-bound Exit 67 of the LIE and/or to the west through private property to CR 101 (Sills Road) which leads to the west-bound Exit 66 of the LIE in one mile. Similar road improvements cited for the USRAIL site will be needed to link the County roads to the LIE.

Grucci

This largely undeveloped 90-acre site (divided into a dozen or so parcels), once used by the Grucci family to manufacture fireworks, is suitable for bulk and container transfer. A short street links the site with CR16 (Horse Block Road), which connects to CR 101 (Sills Road) and to the west -bound Exit 66 of the LIE in 2.5 miles. Horse Block Road also leads to east -bound LIE Exit 65 in 2 to 3 miles. For north-south truck travel CR 16 intersects with CR 101/21 to the east. The main drawback is that a rail spur would have to be built through undeveloped County and/or private land from the LIRR tracks, which run one-half to one mile north of the site.

Bellport Avenue

An undeveloped and appropriate site of almost 110 acres that can be used for both types of freight transfer. About three-quarters of the site is east of Bellport Avenue and one-quarter west. The 11 parcels are in private hands. The LIRR runs right along the site's long northern border, facilitating freight transfer and clearing the tracks. It has

direct access to two County roads; CR101, connecting to west -bound Exit 66 of the LIE in 1.5 miles, and CR 16 which links to the east -bound Exit 65 in 1.5 miles. Extending the LIE's frontage roads between the exits should be considered.

AVR

This 660-acre site, owned by an industrial developer who is interested in building an truck/rail transfer facility, is large enough for both bulk and container operations, and much more. The LIRR cuts across the northwestern corner of the site and the LIE runs right along the northern boundary, where it crosses the LIRR. To provide direct access to the large site the developer proposes extending an existing street to a new west -bound LIE Exit 68A. The southwest corner of the site is about two miles from the east-west Exit 68 of the LIE, on a secondary through route along a residential area. North-south truck movements can be handled on County Road 25, which is less than two miles east of the site.

The fact that the site is separated from the LIRR by a local street poses a problem, which can probably be remedied by street relocation and new connections. A spur will also be needed to link the LIRR to the site.

The 13 sites offer a wide variety of conditions. Four are publicly owned and nine are in private hands. The two small ones in Nassau County are suitable for bulk freight; the 11 in Nassau County, ranging from 47 to 660 acres, are appropriate for bulk and container operations. All are located directly on the LIRR or close enough to be served by spur lines. They all are less than 3.5 miles from the LIE for east -west travel (the DEIS uses a maximum of four miles), along routes that do not disrupt residential neighborhoods, and are reasonably convenient to north-south County roads. Some will require improved rail access, usually spur lines, and all will probably need improved road access.

Given the wide range of present conditions and opportunities for truck/rail transfer facilities, all 13 sites are considered appropriate for such a facility at this point and were included in the second level of analysis.

Evaluation of Sites by Elements of Analysis

The second level of evaluation relies on the four analytical elements defined below. Application of the elements to the 13 sites is summarized Table 4-2.

Current Use of the Site: Extent to which the present use of the site may affect truck/rail transfer operations and any unavoidable displacement of current uses.

Immediate Surroundings of the Site. The land uses immediately surrounding the site that may be most affected by the operation of the truck/rail transfer facility. (The maps in Appendix 4 show the land uses for about a half-mile around each site.)

Potential for Expanding Truck/Rail Operations and Supportive Warehousing: The extent to which the facility can be expanded on the site. In addition, since warehousing is a vital adjunct of freight transfer operations, the availability of existing warehousing or opportunities to develop it on –site or at other locations is an important factor.

Regulatory Requirements: The degree to which non-local government regulations may affect development of the freight transfer facility. Chief among these are development restrictions in the Pine Barrens, Special Groundwater Protection Areas (SGPA) and restrictions on development at airports and federal installations.

Pilgrim State Hospital

The site is large enough for expanded transfer operations and on-site warehousing. As noted, it is adjacent to the warehouses in the Heartland Business Center, which could be directly connected to the facility by rail sidings, and near the extensive Hauppauge Industrial Park. Immediate surroundings are the Edgewood – Oak Brush Plains State Preserve on the west, Pilgrim Psychiatric Center on the north, institutional uses and residences to the east and the Heartland Business Center to the south. About 800 residents live at the Psychiatric Center, some as close as 350 feet to the proposed transfer facility. Many of them are especially sensitive to the noise, light, fumes and other conditions that would be produced at the facility.

The Heartland Town Center will be directly north of the Psychiatric Center on both sides of the Sagtikos Parkway. With its 9,000 apartments and several million square feet of commercial space it will add to already heavy local traffic flows. Although Heartland's buildings will be even closer to the Psychiatric Center than the transfer facility (as close as 175 feet) and it will also border the Preserve, the Heartland DEIS for it does not raise any serious issues regarding the facility.

Pilgrim has potential legislative and regulatory drawbacks, exemplified by the issues raised by local community organizations, notably the Friends of the Edgewood – Oak Brush Plains State Preserve. The Preserve is directly west of the site. The Friends question the legality of using Pilgrim for the transfer facility, stating that the 1987 legislation establishing the Preserve provided that land not required by the Hospital become part of the Preserve if native foliage can be regenerated on it. The Friends also contend that the traffic, lighting and noise from the facility will harm the natural life of the Preserve and that it will compromise air quality in a wide area around the site. (The Friends do seem to have raised these issues in regard to Heartland Town Center, which will also border the Preserve.)

Another potential regulatory issue is that the site lies in the Oak Brush Plains Special Groundwater Protection Area (SGPA). However, SPGA designation is advisory rather than prescriptive.

MacArthur Airport Expanded
The expanded site allows for some expansion of the facility and perhaps warehousing. The impact on immediate surroundings should be minimal. The site is separated from the residential zone to the north by Railroad Avenue and the LIRR tracks and bordered in other directions by airport land and parking for the nearby LIRR station. The existing composting operation will need to be removed.

Prima Asphalt/PAVCO
The asphalt and concrete plants on the site will have to be removed and the site restored for freight transfer operations. The site is bordered on the north by a gas storage installation and a public utility and on the south and west by newer residential subdivisions. Although the plants have elicited complaints from neighbors along Furrows Road, they might find a freight transfer operation less intrusive.

Brookhaven National Laboratory
The site is currently vacant and is large enough for expanded truck/rail transfer and on-site warehousing. Some new industrial space has already been developed in the area and industry/warehousing is planned for the nearby southwest quadrant of LIE Exit 68 and the former Parr Meadows Track. Surrounded by the Brookhaven National Laboratory, it is some distance from its nearest neighbors. A major regulatory issue is that as part of the high-security Laboratory, the federal Department of Energy would have to agree to permit the site to be used for freight transfer.

Grumman Calverton
As part of the vast Calverton tract, the site can be expanded for freight transfer activities as well as warehousing. The Town of Riverhead is interested in industrial development on the tract, which could enhance transfer activities. The site is very well insulated from sensitive uses by the Calverton tract itself and nearby recreational and natural areas.

HicksvilleAsphalt Plant
The site is part of a linear industrial/commercial district, which serves as a partial buffer from neighbors and a possible source of customers for the facility. There are no opportunities for expanding operations on site or for building new warehouses nearby. A dense single-family residential district is south of the industrial zone.. A bulk transfer facility may be less intrusive to these residents than an asphalt plant.

Hooker Chemical
The site is surrounded by industrial and commercial uses that could serve as a local market for the bulk transfer of goods. One corner abuts a single-family residential district. As a national brownfield site it will have to meet specified cleanup standards for reuse.

Medford Multiplex.
The site is large enough for expanded freight transfer activities and warehousing. There are also opportunities for new industry/warehouses in nearby locations, and indeed some is already planned. The Boomers commercial recreation area and a building

supply business will need to be relocated. Immediate surroundings are industry to the north, across the LIE; a mix of undeveloped land, commerce and residences to the south and housing to the west.

USRAIL Expanded
The site is large enough for expanded freight transfer activities plus on-site industry and warehousing. The immediate surroundings are the Suffolk County farm, undeveloped land and some industry. Since the USRAIL site has been illegally mined for sand, it would need to be restored.

Suffolk County
This site is large enough for expanded transfer activities as well as on-site warehousing, which could also be developed on adjacent vacant land. It is bordered by the County farm on the north, scattered County facilities to the east, undeveloped private lands to the south and west and at a very comfortable distance from residences.

Grucci
The site could accommodate additional transfer operations and some warehousing, which could also expand into adjacent undeveloped land. As befits its former use for manufacturing fireworks, the site is surrounded (or more accurately isolated) by undeveloped County and private land. As the northern portion seems to be used for sand and gravel mining, it would have to be restored for freight transfer and warehousing.

Bellport Avenue
The eastern portion of the site is sufficient for the transfer facility and accessory warehousing could be built on the western part. Riegel Warehouses, which provides warehouse and assembly services on Long Island, is seeking to build a 25-acre intermodal facility on the eastern portion, at the southeast corner of Bellport and Long Island Avenues. Such a facility could be the nucleus of a larger transfer installation. According to Riegel, the site is in the Brookhaven Empire Zone, which may offer advantages to developing an intermodal facility and industrial space. The site is bordered by recreation and some industry, commerce and residences

AVR
Although dense single-family residential zones lie south and west of the site, it is large enough so that transfer operations can be adequately buffered from them. The site is in the Pine Barrens Compatible Growth Area as well as the Central Suffolk SPGA. Pine Barrens regulations limit coverage, including buildings and paving, to 53% of the site. In addition, localities usually impose their own coverage restrictions. For example, on the nearby 100- acre Clare - Rose industrial site that AVR is developing the Town of Brookhaven limited building coverage to about 16% of the site. AVR is also proposing industrial space on the nearby 170-acre former Parr Meadows Track. Together with Clare - Rose, this will create a local industrial presence of over 1.5 million square feet of space, perhaps the beginning of a substantial industrial district.

Applying the 16% figure to the AVR site would allow over 4.5 million square feet of space, creating an opportunity for a major industrial concentration around a transfer facility that could yield substantial economic benefits to a wide area.

The second level analysis of the 13 sites shows that nine are undeveloped and four will require relocation of current activities. Except for the two small sites in Nassau County, the sites can accommodate expanded transfer operations and some warehousing. In several cases warehouses are being or can be developed near the site. The immediate surroundings are such that the effects of the freight transfer operations will not be severe or can be buffered or mitigated. Five of the sites will be subject to some level of regulatory control.

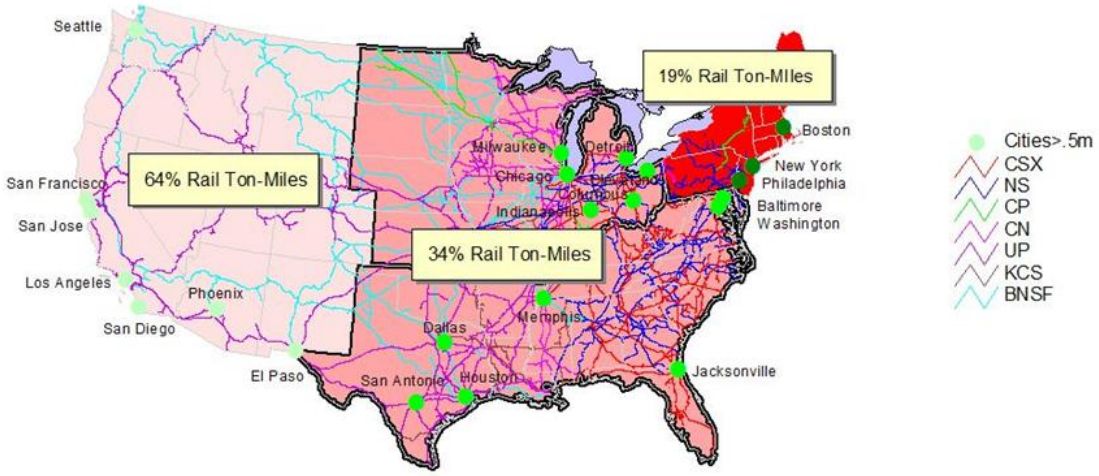
Appendix 5.1: Long Island Railroad Key Characteristics

- Right –of-way -50’ to 66’
- Double tracks west of Farmingdale
- 12 miles of single track and 4 miles of double track between Farmingdale and Ronkonkoma, the eastern limit of electrification
- Vertical Clearance of 17’ (Plate F); 17’ 1” clearance on New York connecting railroad through East New York Tunnel
- Horizontal clearance- 10’5”
- Maximum allowable weight- 263 pounds
- Potential third rail conflicts preclude operation of “well” cars
- Maximum allowable speed of freight trains – 45 mph
- There are 35 weekday passenger trains each way

Appendix [6.1]: National/Regional Rail Freight Flows

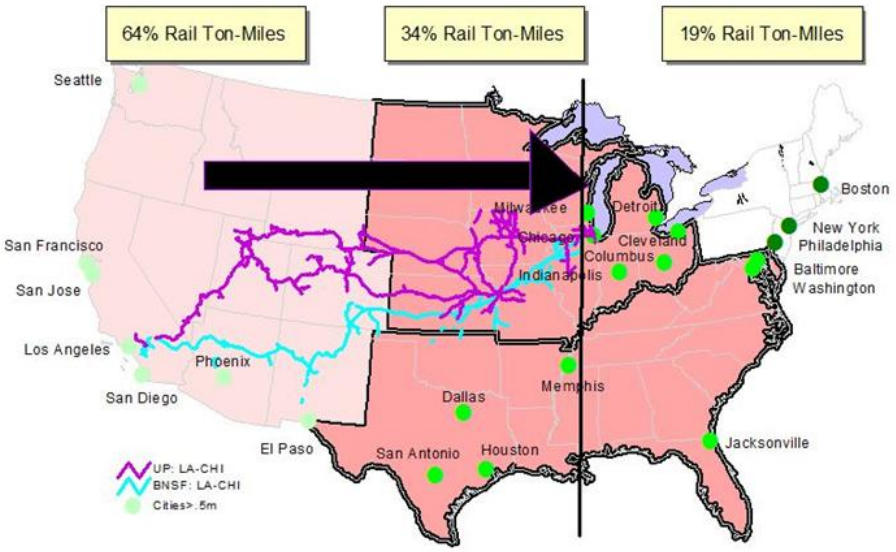
Appendix 6.1: National/Regional Rail Freight Flows

US Rail Demand by Census Region

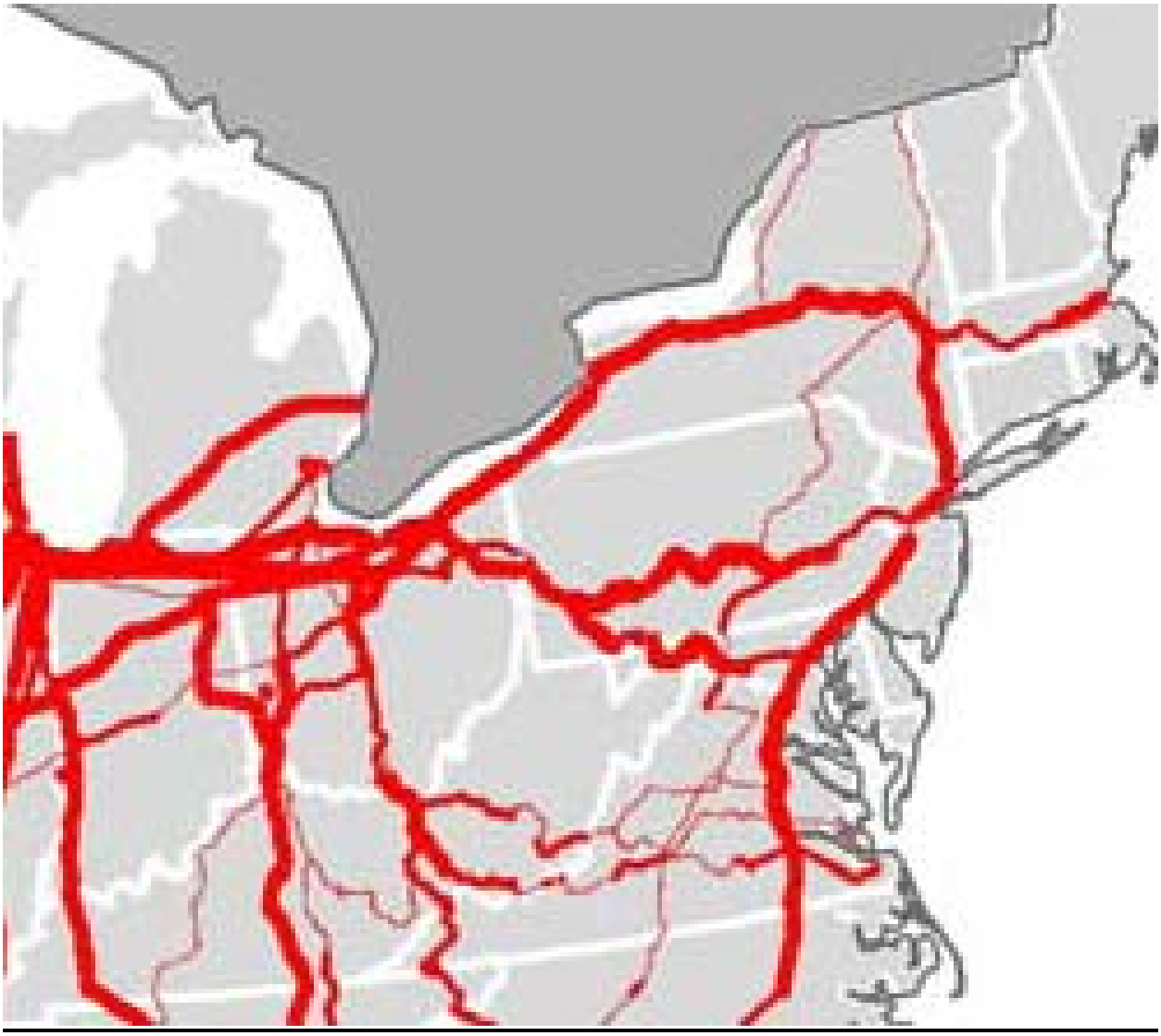


Source: Environmental Policy Services, LLC; percentages calculated from US Department of Commerce, Commodity Flow Survey, 2002

Primary Direction of Flow, US Freight Rail Traffic

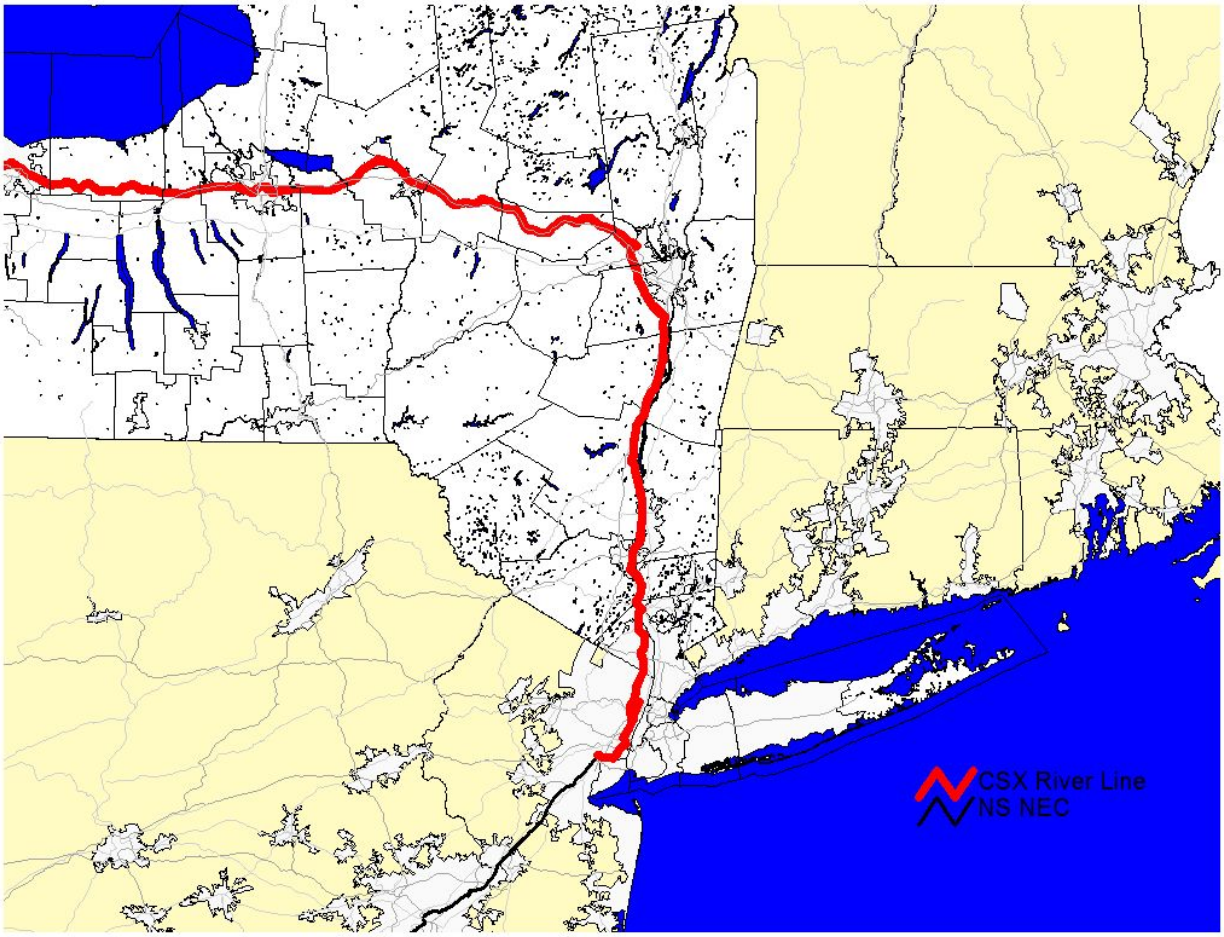


Source: Environmental Policy Services, LLC; percentages calculated from US Department of Commerce, Commodity Flow Survey, 2002

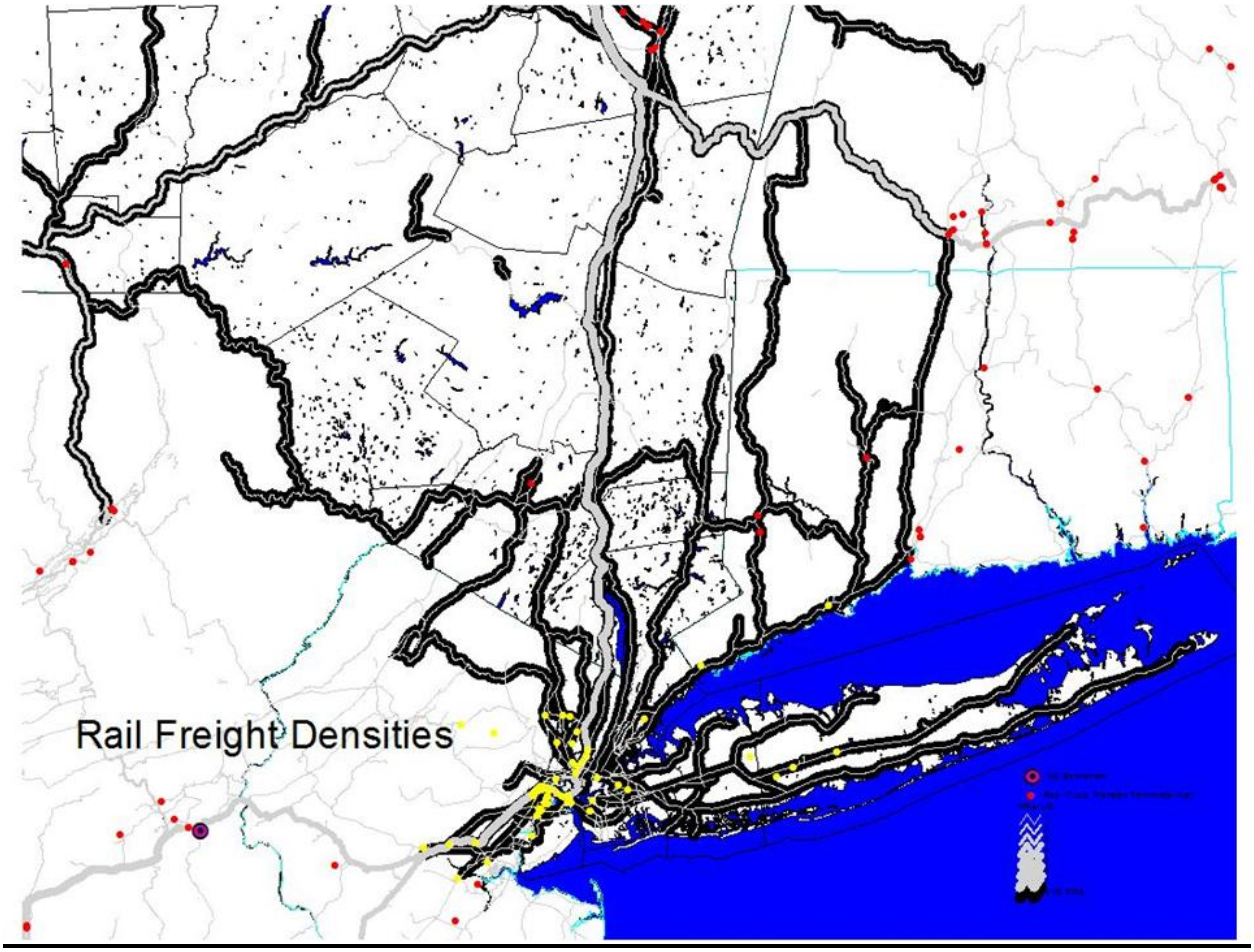


Rail Freight Flow to Downstate New York

http://www.camsys.com/pubs/AAR_Nat_%20Rail_Cap_Study.pdf, accessed 5-29-09

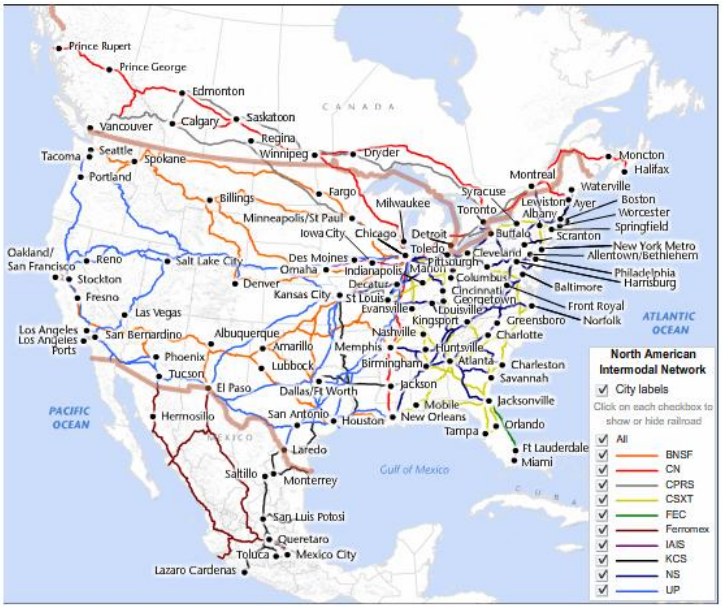


The Wall


Rail Freight Densities

Appendix [6.1.1]: National Containerized Rail Service and Truck-Rail Terminals

Rail Container Network



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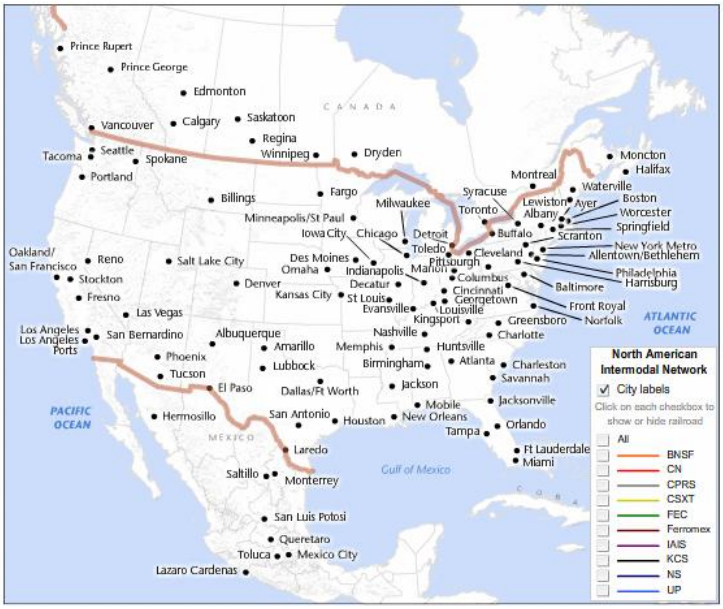
http://www.intermodal.org/skedz/index.php

Container Terminals



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http://www.intermodal.org/skedz/index.php

CSX

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http://www.intermodal.org/skedz/index.php

NS

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http://www.intermodal.org/skedz/index.php

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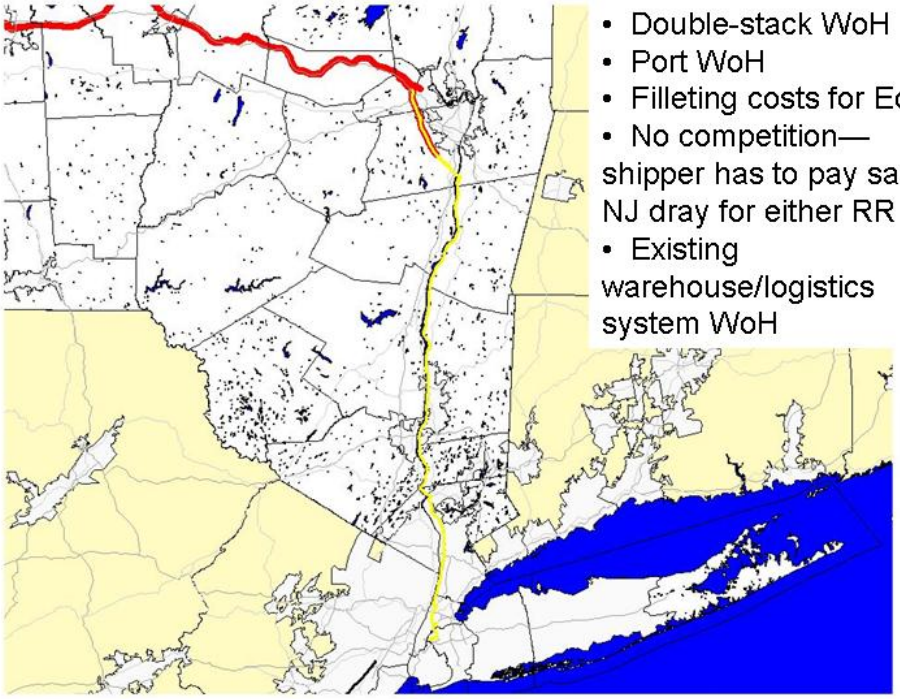
http://www.railbridge.com/Schedule/Service-Schedule-Menu.asp

Appendix [6.2]: Reasons for Projecting Increased Rail Freight Flows to Geographic Long Island

The Hudson Line/Full Freight Access Program

(Where No Current RR Incentive for Containers)



- Double-stack WoH
- Port WoH
- Filleting costs for EoH
- No competition—shipper has to pay same NJ dray for either RR
- Existing warehouse/logistics system WoH

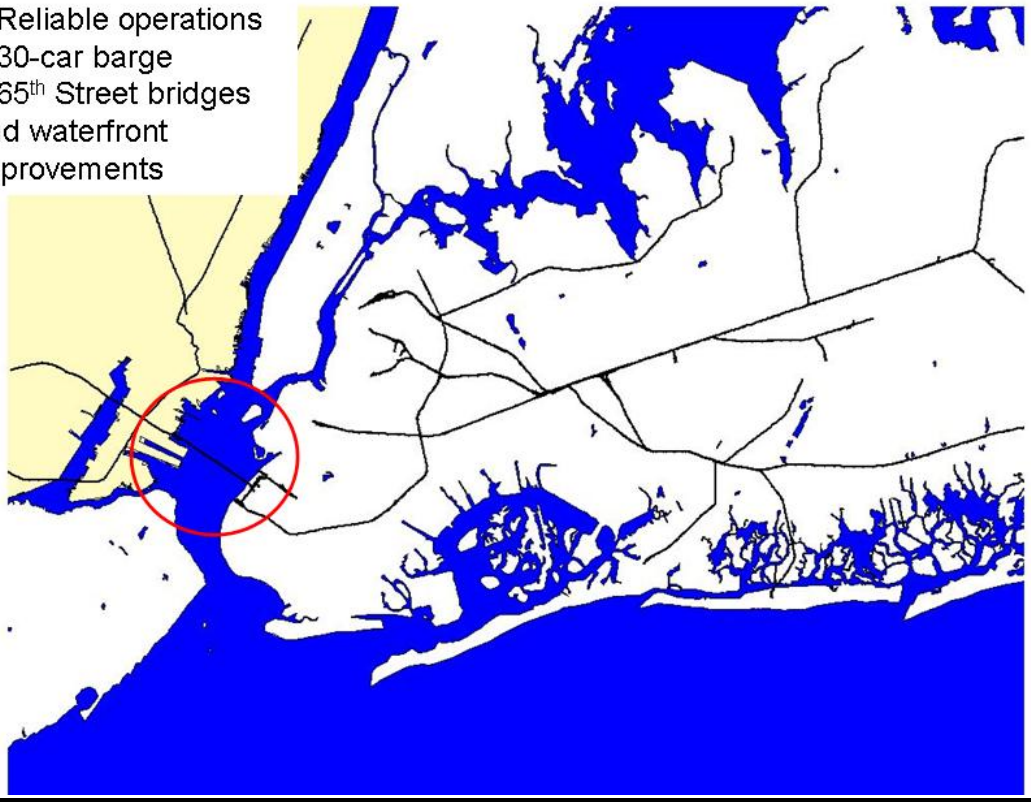
Infrastructure upgrades; result: increased vertical clearance, increased weight-bearing, increased capacity

The volume of rail freight traffic entering and leaving the EoH region has more than doubled over the past decade (although much of this increase has been in outward-bound waste commodities).

Future demand will be increased by congestion costs (truckers try to avoid LI and charge a premium for service there) as roadway capacity decreases even more in response to increased freight volumes; by escalating energy costs; by air-quality concerns.

A Recent Development That Will Allow the Latent Demand for More EoH Rail Freight to Be Met: PA Float

- Reliable operations
- 30-car barge
- 65th Street bridges and waterfront improvements



Another Development That, If Implemented, Would Significantly Increase EoH Rail Freight Demand: The Proposed Cross-Harbor Tunnel

Appendix [6.3]: Geographic Long Island Rail Market Opportunities

A basic premise--

rail on LI will generally function as it does on the rest of the North American continent:

- The commodities that "want" to ride on rail elsewhere will "want" to ride on rail here
- The equipment (rail and yard) used for these commodities will generally be used here
- The service/operational patterns will be generally similar
- The yards will be generally similar
- The relationship to the logistical context in which rail freight is embedded (e.g., warehousing, industrial parks, ...) will be generally similar.

(That said, there may be special circumstances East of Hudson that require rail equipment, facilities, or services to function in ways that are different from practices on the rest of the continent--though they may be used elsewhere in the world, e.g., Europe and Australia).

Railroad Dynamics

LI is part of a national system, so it should behave like the rest; to the extent it that volumes are lower, there must be a cause; (likewise, one wouldn't expect volumes to be higher, unless there were locality-specific factors to account for this).

The gap between local and national levels is one indication of potential market demand.

One reason that this potential demand remains untapped is that West-of-Hudson termini provide more favorable economics for the railroads. Shippers pay the dray to LI. The social (congestion, pollution) and other economic costs are paid by others. Since neither major railroad hauls much freight to LI, the transportation-buyer has no alternative.

National Railed Commodities

In the US, every class of commodities is carried by rail somewhere in the country. (The commodities least likely to be rail-hauled are live animals, tobacco, marble, and pharmaceuticals).

But some commodities "want" to ride the rails more than do others. This relative desire is based on a variety of factors, including value and need for speed. But the most important factors are weight, volume, and distance.

The primary railed commodities, therefore, are from extraction processes: products of mines, fields, and forests, either in their raw form or after primary processing. In descending order, these commodities are coal, grain, bulk chemicals, wood products, prepared food, pulp and paper.

Coal represents more than half of all the ton miles carried in the US and more than half the tons. In the West, where it travels the farthest (967 miles on average, on its way to Midwestern utilities), it makes up over 80% of all the ton-miles travelled. It is also the largest commodity in the South and Northeast (representing 39 and 61% of ton-miles, respectively), even though it only travels on average 305 miles in the South and 369 miles in the Northeast. Its ability to travel shorter distances than are commonly thought economic for rail (500 miles) is enhanced because it generally travels in unit trains.

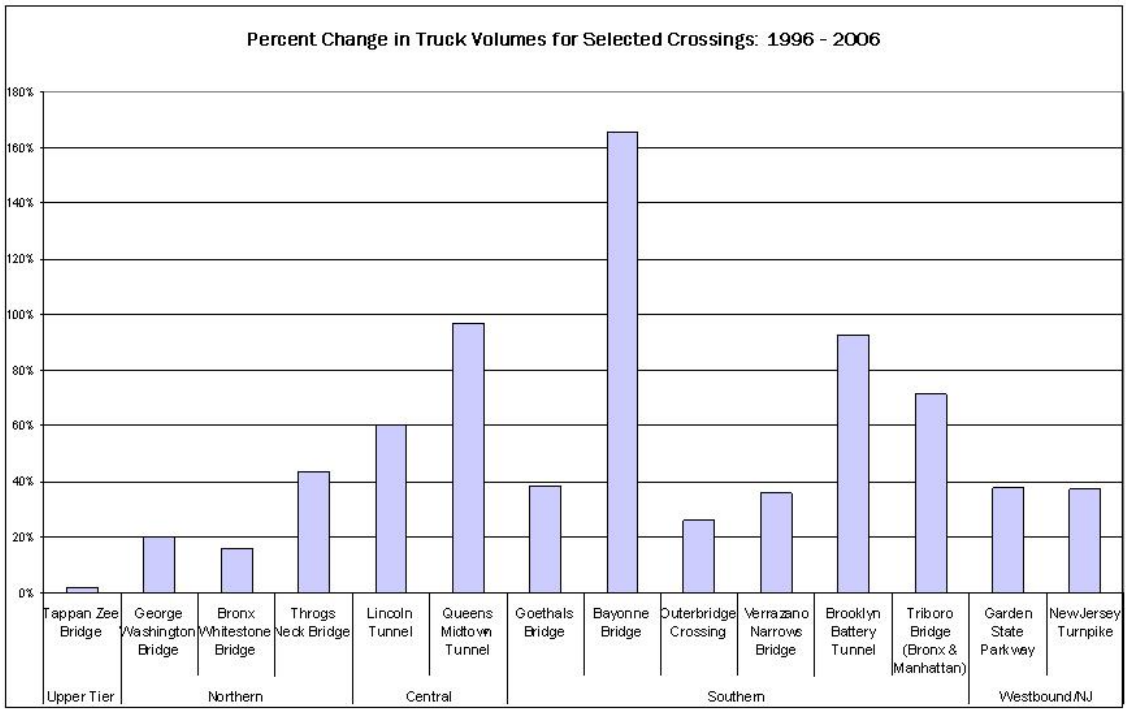
Rail Market Opportunities

A review of national data shows that these things "want" to be on rail, but are railed at anomalously low levels in the Northeast:

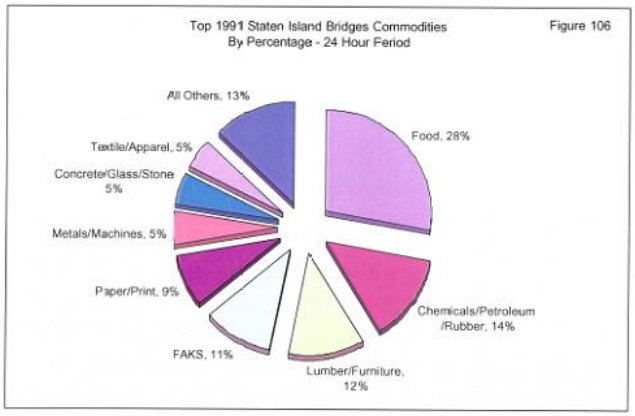
- Prepared foodstuffs, fats, oils (18-41% elsewhere, 0.1% here)
- Alcoholic beverages (12-47% elsewhere, virtually non-existent here)
- Plastics and rubber (22 and 44% in South and Midwest, 2.1% here)
- Wood products (18-61% elsewhere, 1% here)
- Pulp, newsprint, paper, and paperboard (31-56% elsewhere, 22% here)
- Vehicles and parts (21 to 35% in South and Midwest, 10% here)

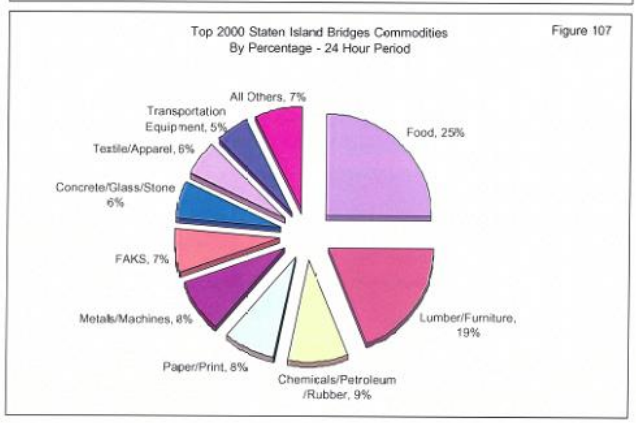
Appendix [6.4]: Truck Crossings to Geographic LI and Commodities Carried

Truck Traffic on the Chokepoint-Crossings Toward Geographic LI Is Increasing



Source: Rich Barone, RPA, Task 2.1, I-278 Smart Corridor Study, for the NYS DOT (using NYMTC data), internal working draft, 2-4-09.





PA data used in Barone, op. cit.

Appendix [6.4.1]: Demand Calculations

Current and Projected Tonnages of Railable Commodities into Nassau/Suffolk, Compared to National and Northeastern Levels, to Estimate Carload Demand

STCC	Description	Natl R%	NE R%	04 LI in	04 if natl%	04 if NE%	30 in	30 if natl%	30 if NE%
7	Other prepared foodstuffs and fats and oils(2)	10.1%	0.02%	5,834,839	592,004	1,101	8,843,277	897,240	1,669
12	Gravel and crushed stone(3)	4.6%	1.72%	4,521,475	209,812	77,955	8,226	382	142
13	Nonmetallic minerals nec	25.3%	6.15%	9,374,713	2,368,812	576,200	12,413,231	3,136,587	762,957
19	Coal and petroleum products, nec	17.3%	7.48%	6,065,601	1,051,005	450,737	9,176,671	1,590,070	681,922
28	Chemical products and preparations, nec(4)	7.3%	3.14%	3,627,679	264,673	113,900	4,008,990	292,494	125,872
26	Wood products(5)	13.9%	0.16%	3,810,393	528,150	6,157	4,554,118	631,237	7,358
32	Base metal in prim. or semifin. forms & in finished basic shapes(7)	13.7%	10.37%	3,617,010	494,149	374,922	6,205,011	847,717	643,183
33	Articles of base metal(8)	2.9%	4.75%	1,752,736	51,020	83,242			
35	Electronic & other electrical equip & components & office equip(9)	1.1%					3,443,246	37,715	
41	Waste and scrap	34.1%		2,036,346	695,131		5,362,524	1,830,561	
	TOTAL			**40,640,792**	**6,254,757**	**1,684,214**	**54,015,294**	**9,264,003**	**2,223,102**
				cars/year	83,397	22,456			
				cars/day	276	74			
				cars/yr over 2007 baseline		18,956		92,640	22,231
				cars/day***		63		307	74

NYMTC terms:

(2) Food or kindred
(3) clay, concrete, glass or stone
(4) chemicals or allied products
(5) lumber or wood products
(6) pulp, paper, or allied products
(7) primary metal products
(8) fabricated metal products
(9) NB: Electronics are shipped in containers, not in bulk equipment.

LI Source: NYMTC Freight Village draft 1-20-09 (2004 Transearch data); Table 9, p. 45, for current rail; appendix, p. 24 for total tonnages
Natl Source: US Department of Commerce, Commodity Flow Survey, 2002
Tons/carload based on 2007 averages reported by EoH railroads.

Appendix [6.4.2]: Average Length of Rail Trip by Commodity

Average Rail Trip by Commodity (US weighted averages, 2002)

STCC	Description	Ratio R trip to all trips (US wtd avgs)	Natl avg R trip miles (wtd)
7	Other prepared foodstuffs and fats and oils(2)	6.1	987
12	Gravel and crushed stone(3)	12.7	344
13	Nonmetallic minerals nec	2.6	692
19	Coal and petroleum products, nec	5.3	690
23	Chemical products and preparations, nec(4)	3.3	1,328
26	Wood products(5)	4.8	1,038
32	Base metal in prim. or semifin. forms & in finished basic shapes(7)	2.9	722
33	Articles of base metal(8)	3.0	1,017
35	Electronic & other electrical equip & components & office equip(9)	2.6	1,830
41	Waste and scrap	4.0	276
	TOTAL		

NYMTC terms:

(2) Food or kindred
(3) clay, concrete, glass or stone
(4) chemicals or allied products
(5) lumber or wood products
(6) pulp, paper, or allied products
(7) primary metal products
(8) fabricated metal products

Source: Environmental Policy Services, LLC calculations from Commodity Flow Survey Data, US Dept. of Commerce, 2002

Appendix [6.5]: Potential Demand for Outbound Municipal Solid Waste and Construction & Demolition Debris by Rail

Municipal Solid Waste from Nassau/Suffolk Currently Trucked to Distant Landfills (tons/yr)

Jet Paper Stock	4,500	OH	**American Landfill, Waynesburg**	11,278
Paragon Recycling	830	OH		
D T Paper	5,947	OH		
Riverhead Rubbish	35,275	VA	**Atlantic Landfill, WMI, Waverly**	35,275
D T Paper	83	OH	**BFI County Environmental**	83
D T Paper	90	OH	**BFI Landfill Noble**	90
Selas	82,918	VA	**Brunswick**	**110,244**
Paragon Recycling	10,546	VA		
Riverhead Rubbish	1,634	VA		
D T Paper	15,146	VA		
Jet Paper Stock	72,100	OH	**Carbon Limestone Landfill, Mahoning**	**123,260**
Paragon Recycling	370	OH		
Omni Recycling of Babylon	46,900	OH		
D T Paper	2,241	OH		
Riverhead Rubbish	1,649	OH		
Paragon Recycling	106	VA	**Covanta Alexandria/Arlington, Alexandria**	106
Brookhaven	3,376	PA	Cumberland County Landfill, WSI, Newburg	3,376
Jet Paper Stock	1,800	PA	**Greentree**	1,800
WMNY All Island	83,746	PA	**GROWS/Tully**	**262,558**
Town of Oyster Bay	178,812	PA		
Selas	13,050	VA	**King & Queens**	23,605
Jet Paper Stock	4,500	VA		
D T Paper	4,413	VA		
Paragon Recycling	1,642	VA		
Omni Recycling of Babylon	46,900	PA	**Leeper**	46,900
WMNY Glen Cove	40,179	PA	**Tulleytown**	**126,904**
Islip RRF	86,725	PA		
Selas	2,072	ON	**Ontario, Canada**	2,072
D T Paper	9,025	VA	**WMI Charles City**	9,025
Omni Recycling of Babylon	46,900	VA		
Omni Recycling of Babylon	46,900	OH		
TOTAL				**756,574**

Source: Environmental Policy Services, LLC calculations based on 10-20-05 NYS DEC data.

Current Shippers of Removables from Geographic Long Island

Waste or Scrap Materials

Brookhaven National Laboratory, Upton
contaminated soil
Brooklyn Resource Recovery, Bedford
ECDC/Allied, Brooklyn
Emjay Environmental, Brentwood garbage
and C&D
Coastal Distrubution, Farmingdale C&D
Gershow Recycling, Medford/Bedford
Heritage Corrugated, Bedford
Jamaica Ash/Westbury Paper Stock,
Westbury
Meserole Street Recycling/Vortex, Inc.,
Bushwick
Regus Industries, Bushwick was Waste
Management
SAB Trucking, Maspeth C&D in containers
GADX

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http://www.railroad.net/forums/viewtopic.php?f=115&t=58146#p620864, accessed 3-29-09

Locations of Permitted C&D Shippers on Geographic Long Island (Sample)

New York State Department of Environmental Conservation SWIMS as of July 2008
Division of Solid & Hazardous Materials
Solid Waste Management Facilities
Active Regulated Construction & Demolition Debris Processing Facilities
D
NYS DEC Region 1
County Nassau
Facility name: 143 Hanse Realty Corp. Processing Facility
Facility address: 143 Hanse Avenue
Freeport, NY 11520
Phone: (516)678-3260
Affiliations
Owner: Joseph Tarulli Address: 143 Hanse Avenue
Freeport, NY 11520
Owner type: Private Phone: (516)678-3260
Contact: Address:
Phone:
Activities
C&D processing - regulated 30W32
Active: Yes Regulatory status: Permit
NYUTM East: 620721 NYUTM North: 4500607
Accuracy method:
Authorization number(s):
Issued date:
Expiration date:
Waste type(s): Construction & Demolition Debris,Concrete,Asphalt,Rock,Paper (Cardboard),Paper (Office),Metals (Aluminum)

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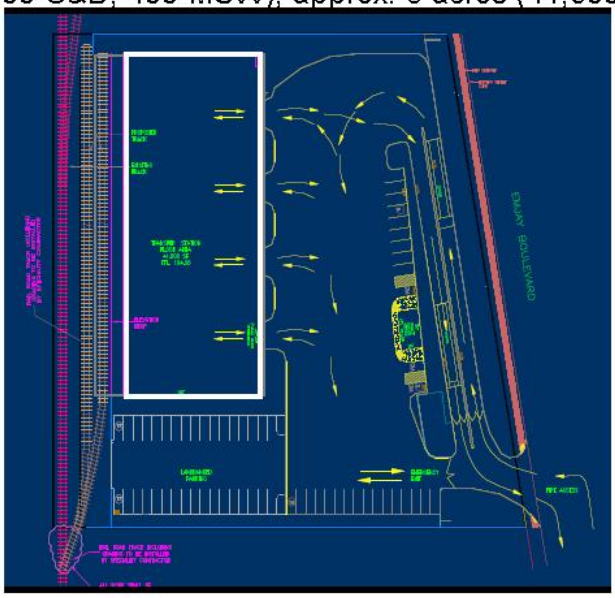
http://www.dec.ny.gov/docs/materials_minerals_pdf/cddprocess.pdf, 3-29-09 [p. 1 of 74]

Emjay in Brentwood: First permitted MSW/C&D rail transfer station on LI; 1200 tpd permit (800 C&D, 400 MSW), approx. 3 acres (41,600sf bldg)



http://www.nyfederation.org/pdf2006/52_m1Breakingthebarrier.pdf#search=%22pe%22, accessed 3-29-09

Appendix [6.5.1]: Current and Projected Population, Employment, &

Payroll Employment

LONG ISLAND	**725.6**	**915.5**	**1,123.6**	**1,218.0**	**1,240.6**	**1,319.1**	**1,355.1**	**1,379.2**	**1,421.5**	**1,468.0**	**1,521.6**
Nassau	486.5	554.0	603.8	622.0	608.7	649.3	656.5	660.4	668.0	680.8	697.5
Suffolk	239.1	361.5	519.8	595.9	631.9	669.8	698.6	718.9	753.6	787.1	824.0

Proprietor Employment

AREANAME	1970	1980	1990	2000	2005	2010	2015	2020	2025	2030	2035
LONG ISLAND	**137.0**	**177.7**	**206.2**	**239.5**	**307.4**	**317.8**	**332.8**	**348.6**	**357.7**	**366.3**	**375.1**
Nassau	88.7	107.0	113.0	121.2	156.8	151.6	157.2	163.1	165.9	169.1	172.4
Suffolk	48.3	70.7	93.2	118.2	150.7	166.2	175.6	185.4	191.8	197.2	202.7

Population

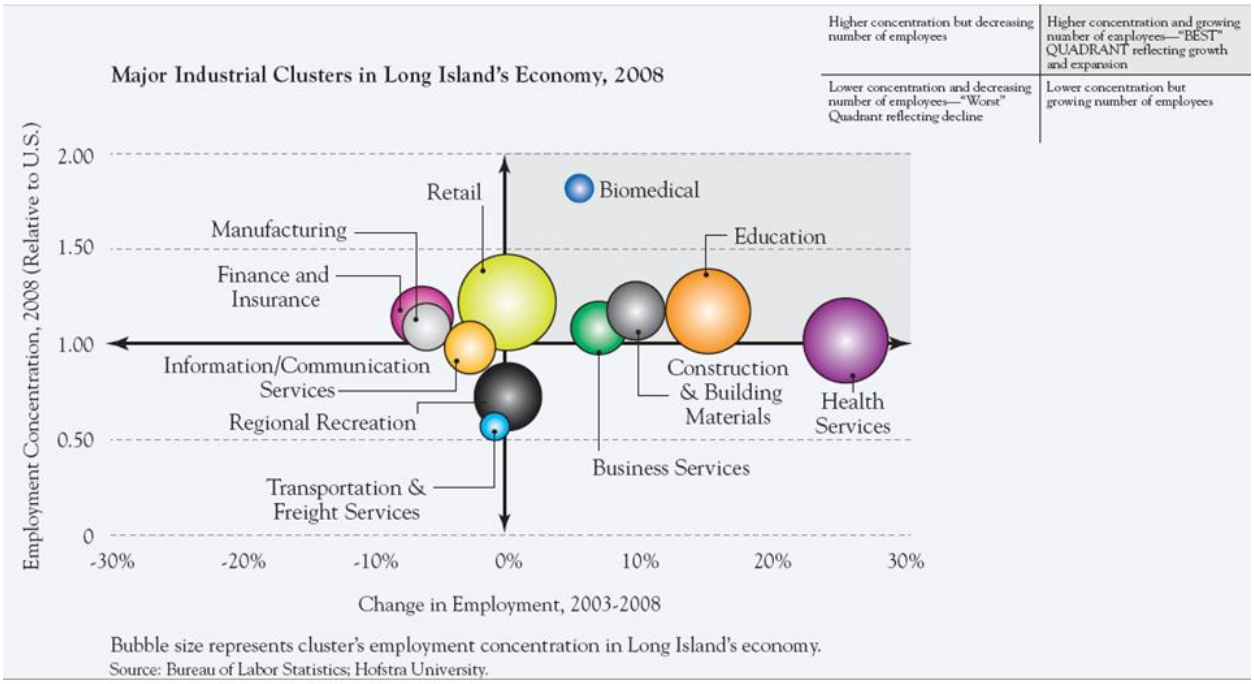
AREANAME	1970	1980	1990	2000	2005	2010	2015	2020	2025	2030	2035
LONG ISLAND	**2,553.0**	**2,605.8**	**2,609.2**	**2,753.9**	**2,803.7**	**2,870.3**	**2,911.1**	**2,962.5**	**3,045.8**	**3,157.2**	**3,264.2**
Nassau	1,428.1	1,321.6	1,287.4	1,334.5	1,331.6	1,339.9	1,349.1	1,358.0	1,399.1	1,446.7	1,485.4
Suffolk	1,124.9	1,284.2	1,321.8	1,419.4	1,472.1	1,530.3	1,562.0	1,604.4	1,646.7	1,710.5	1,778.7

Household

AREANAME	1970	1980	1990	2000	2005	2010	2015	2020	2025	2030	2035
LONG ISLAND	**696.6**	**809.1**	**856.2**	**916.7**	**921.2**	**944.7**	**962.4**	**978.3**	**997.7**	**1,024.3**	**1,038.3**
Nassau	401.0	423.4	431.5	447.4	437.1	441.6	444.1	444.5	453.3	463.0	464.6
Suffolk	295.6	385.7	424.7	469.3	484.1	503.1	518.3	533.8	544.3	561.4	573.6

Source: NYMTC, 2-2009

Appendix [6.6]: Potential Industrial Demand for Bulk Rail Freight



http://www.longislandindex.org/fileadmin/pdf/2009_Index_Files/LIINDEX_2009.pdf

Construction Employees in Nassau/Suffolk

Establishments

NAIC	Name	Suffolk	Nassau
2361	Residential building construction (# Businesses), 2008 [NAICS 2361]	1,858	1,269
2362	Nonresidential building construction (# Businesses), 2008 [NAICS 2362]	292	232
2371	Utility system construction (# Businesses), 2008 [NAICS 2371]	93	37
2373	Highway, street, and bridge construction (# Businesses), 2008 [NAICS 2373]	78	37
2379	Other heavy construction (# Businesses), 2008 [NAICS 2379]	53	9
2381	Building foundation and exterior contractors (# Businesses), 2008 [NAICS 2381]	955	627
2383	Building finishing contractors (# Businesses), 2008 [NAICS 2383]	1,351	898
2389	Other specialty trade contractors (# Businesses), 2008 [NAICS 2389]	563	269
	TOTAL	**5,243**	**3,378**

Employees

2361	Residential building construction (# Employees), 2008 [NAICS 2361]	5,972	4,251
2362	Nonresidential building construction (# Employees), 2008 [NAICS 2362]	3,255	2,711
2371	Utility system construction (# Employees), 2008 [NAICS 2371]	1,885	697
2373	Highway, street, and bridge construction (# Employees), 2008 [NAICS 2373]	759	932
2379	Other heavy construction (# Employees), 2008 [NAICS 2379]	409	372
2381	Building foundation and exterior contractors (# Employees), 2008 [NAICS 2381]	5,296	3,876
2383	Building finishing contractors (# Employees), 2008 [NAICS 2383]	6,246	5,918
2389	Other specialty trade contractors (# Employees), 2008 [NAICS 2389]	2,536	1,623
		26,358	**20,380**

Source: SimplyMap (D&B Business Counts, 2008)

Manufacturing Establishments

NAIC	Name	Suffolk	Nassau
3111	Animal food mfg (# Businesses), 2008 [NAICS 3111]	2	1
3112	Grain & oilseed milling (# Businesses), 2008 [NAICS 3112]	0	1
3113	Sugar & confectionery product mfg (# Businesses), 2008 [NAICS 3113]	11	7
3114	Fruit & vegetable preserving & specialty food mfg (# Businesses), 2008 [NAICS 3114]	3	9
3115	Dairy product mfg (# Businesses), 2008 [NAICS 3115]	4	4
3116	Animal slaughtering & processing (# Businesses), 2008 [NAICS 3116]	9	10
3117	Seafood product preparation & packaging (# Businesses), 2008 [NAICS 3117]	1	1
3118	Bakeries & tortilla mfg (# Businesses), 2008 [NAICS 3118]	90	105
3119	Other food mfg (# Businesses), 2008 [NAICS 3119]	8	9
3121	Beverage mfg (# Businesses), 2008 [NAICS 3121]	24	6
3122	Tobacco mfg (# Businesses), 2008 [NAICS 3122]	1	1
3131	Fiber, yarn, & thread mills (# Businesses), 2008 [NAICS 3131]	0	0
3132	Fabric mills (# Businesses), 2008 [NAICS 3132]	3	11

3133	Textile & fabric finishing & fabric coating mills (# Businesses), 2008 [NAICS 3133]	3	8
3141	Textile furnishings mills (# Businesses), 2008 [NAICS 3141]	10	10
3149	Other textile product mills (# Businesses), 2008 [NAICS 3149]	28	21
3151	Apparel knitting mills (# Businesses), 2008 [NAICS 3151]	1	3
3152	Cut & sew apparel mfg (# Businesses), 2008 [NAICS 3152]	28	49
3159	Apparel accessories & other apparel mfg (# Businesses), 2008 [NAICS 3159]	4	12
3161	Leather & hide tanning & finishing (# Businesses), 2008 [NAICS 3161]	2	1
3162	Footwear mfg (# Businesses), 2008 [NAICS 3162]	1	0
3169	Other leather & allied product mfg (# Businesses), 2008 [NAICS 3169]	4	2
3211	Sawmills & wood preservation (# Businesses), 2008 [NAICS 3211]	2	3
3212	Veneer, plywood, & engineered wood product mfg (# Businesses), 2008 [NAICS 3212]	1	1
3219	Other wood product mfg (# Businesses), 2008 [NAICS 3219]	55	27
3221	Pulp, paper, & paperboard mills (# Businesses), 2008 [NAICS 3221]	2	0
3222	Converted paper product mfg (# Businesses), 2008 [NAICS 3222]	33	19
3231	Printing & related support activities (# Businesses), 2008 [NAICS 3231]	272	236
3241	Petroleum & coal products mfg (# Businesses), 2008 [NAICS 3241]	14	3
3251	Basic chemical mfg (# Businesses), 2008 [NAICS 3251]	7	5
3252	Resin, syn rubber, & artificial syn fibers & filaments mfg (# Businesses), 2008 [NAICS 3252]	5	1
3253	Pesticide, fertilizer, & other agricultural chemical mfg (# Businesses), 2008 [NAICS 3253]	1	2
3254	Pharmaceutical & medicine mfg (# Businesses), 2008 [NAICS 3254]	41	19
3255	Paint, coating, & adhesive mfg (# Businesses), 2008 [NAICS 3255]	9	6
3256	Soap, cleaning compound, & toilet preparation mfg (# Businesses), 2008 [NAICS 3256]	18	12
3259	Other chemical product & preparation mfg (# Businesses), 2008 [NAICS 3259]	11	9
3261	Plastics product mfg (# Businesses), 2008 [NAICS 3261]	53	44
3262	Rubber product mfg (# Businesses), 2008 [NAICS 3262]	9	7
3271	Clay product & refractory mfg (# Businesses), 2008 [NAICS 3271]	5	0
3272	Glass & glass product mfg (# Businesses), 2008 [NAICS 3272]	13	7
3273	Cement & concrete product mfg (# Businesses), 2008 [NAICS 3273]	41	18
3274	Lime & gypsum product mfg (# Businesses), 2008 [NAICS 3274]	2	1
3279	Other nonmetallic mineral product mfg (# Businesses), 2008 [NAICS 3279]	20	11
3311	Iron & steel mills & ferroalloy mfg (# Businesses), 2008 [NAICS 3311]	0	1
3312	Steel product mfg from purchased steel (# Businesses), 2008	2	0

	[NAICS 3312]		
3313	Alumina & aluminum production & processing (# Businesses), 2008 [NAICS 3313]	1	3
3314	Nonferrous metal (except aluminum) production & processing (# Businesses), 2008 [NAICS 3314]	6	8
3315	Foundries (# Businesses), 2008 [NAICS 3315]	6	9
3321	Forging & stamping (# Businesses), 2008 [NAICS 3321]	15	12
3322	Cutlery & handtool mfg (# Businesses), 2008 [NAICS 3322]	10	3
3323	Architectural & structural metals mfg (# Businesses), 2008 [NAICS 3323]	100	38
3324	Boiler, tank, & shipping container mfg (# Businesses), 2008 [NAICS 3324]	7	3
3325	Hardware mfg (# Businesses), 2008 [NAICS 3325]	8	3
3326	Spring & wire product mfg (# Businesses), 2008 [NAICS 3326]	4	9
3327	Machine shops, turned product, & screw, nut, & bolt mfg (# Businesses), 2008 [NAICS 3327]	194	72
3328	Coating, engraving, heat treating, & allied activities (# Businesses), 2008 [NAICS 3328]	31	23
3329	Other fabricated metal product mfg (# Businesses), 2008 [NAICS 3329]	31	21
3331	Agriculture, construction, & mining machinery mfg (# Businesses), 2008 [NAICS 3331]	2	4
3332	Industrial machinery mfg (# Businesses), 2008 [NAICS 3332]	25	16
3333	Commercial & service industry machinery mfg (# Businesses), 2008 [NAICS 3333]	17	12
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg (# Businesses), 2008 [NAICS 3334]	8	11
3335	Metalworking machinery mfg (# Businesses), 2008 [NAICS 3335]	45	17
3336	Engine, turbine, & power transmission equipment mfg (# Businesses), 2008 [NAICS 3336]	4	7
3339	Other general purpose machinery mfg (# Businesses), 2008 [NAICS 3339]	35	20
3341	Computer & peripheral equipment mfg (# Businesses), 2008 [NAICS 3341]	18	11
3342	Communications equipment mfg (# Businesses), 2008 [NAICS 3342]	28	16
3343	Audio & video equipment mfg (# Businesses), 2008 [NAICS 3343]	4	1
3344	Semiconductor & other electronic component mfg (# Businesses), 2008 [NAICS 3344]	63	28
3345	Navigational, measuring, medical, & control instruments mfg (# Businesses), 2008 [NAICS 3345]	54	28
3346	Mfg & reproducing magnetic & optical media (# Businesses), 2008 [NAICS 3346]	4	7
3351	Electric lighting equipment mfg (# Businesses), 2008 [NAICS 3351]	16	14
3352	Household appliance mfg (# Businesses), 2008 [NAICS 3352]	1	1
3353	Electrical equipment mfg (# Businesses), 2008 [NAICS 3353]	24	7
3359	Other electrical equipment & component mfg (# Businesses), 2008 [NAICS 3359]	19	10

3361	Motor vehicle mfg (# Businesses), 2008 [NAICS 3361]	2	2
3362	Motor vehicle body & trailer mfg (# Businesses), 2008 [NAICS 3362]	6	1
3363	Motor vehicle parts mfg (# Businesses), 2008 [NAICS 3363]	26	13
3364	Aerospace product & parts mfg (# Businesses), 2008 [NAICS 3364]	28	10
3365	Railroad rolling stock mfg (# Businesses), 2008 [NAICS 3365]	2	0
3366	Ship & boat building (# Businesses), 2008 [NAICS 3366]	14	6
3369	Other transportation equipment mfg (# Businesses), 2008 [NAICS 3369]	2	0
3371	Household & institutional furniture & kitchen cabinet mfg (# Businesses), 2008 [NAICS 3371]	139	102
3372	Office furniture (including fixtures) mfg (# Businesses), 2008 [NAICS 3372]	45	22
3379	Other furniture related product mfg (# Businesses), 2008 [NAICS 3379]	3	7
3391	Medical equipment & supplies mfg (# Businesses), 2008 [NAICS 3391]	92	108
3399	Other miscellaneous mfg (# Businesses), 2008 [NAICS 3399]	129	121
5111	Newspaper, periodical, book, & directory publishers (# Businesses), 2008 [NAICS 5111]	125	115
	TOTAL	2246	1624

Source: SimplyMap (D&B Business Counts, 2008)

Employees

3111	Animal food mfg (# Employees), 2008 [NAICS 3111]	354	
3112	Grain & oilseed milling (# Employees), 2008 [NAICS 3112]	0	
3113	Sugar & confectionery product mfg (# Employees), 2008 [NAICS 3113]	471	
3114	Fruit & vegetable preserving & specialty food mfg (# Employees), 2008 [NAICS 3114]	73	
3115	Dairy product mfg (# Employees), 2008 [NAICS 3115]	184	
3116	Animal slaughtering & processing (# Employees), 2008 [NAICS 3116]	190	
3117	Seafood product preparation & packaging (# Employees), 2008 [NAICS 3117]	2	
3118	Bakeries & tortilla mfg (# Employees), 2008 [NAICS 3118]	4,233	
3119	Other food mfg (# Employees), 2008 [NAICS 3119]	186	
3121	Beverage mfg (# Employees), 2008 [NAICS 3121]	367	
3122	Tobacco mfg (# Employees), 2008 [NAICS 3122]	30	
3131	Fiber, yarn, & thread mills (# Employees), 2008 [NAICS 3131]	0	
3132	Fabric mills (# Employees), 2008 [NAICS 3132]	73	
3133	Textile & fabric finishing & fabric coating mills (# Employees), 2008 [NAICS 3133]	22	

3141	Textile furnishings mills (# Employees), 2008 [NAICS 3141]	47
3149	Other textile product mills (# Employees), 2008 [NAICS 3149]	338
3151	Apparel knitting mills (# Employees), 2008 [NAICS 3151]	2
3152	Cut & sew apparel mfg (# Employees), 2008 [NAICS 3152]	626
3159	Apparel accessories & other apparel mfg (# Employees), 2008 [NAICS 3159]	8
3161	Leather & hide tanning & finishing (# Employees), 2008 [NAICS 3161]	9
3162	Footwear mfg (# Employees), 2008 [NAICS 3162]	2
3169	Other leather & allied product mfg (# Employees), 2008 [NAICS 3169]	58
3211	Sawmills & wood preservation (# Employees), 2008 [NAICS 3211]	9
3212	Veneer, plywood, & engineered wood product mfg (# Employees), 2008 [NAICS 3212]	2
3219	Other wood product mfg (# Employees), 2008 [NAICS 3219]	782
3221	Pulp, paper, & paperboard mills (# Employees), 2008 [NAICS 3221]	76
3222	Converted paper product mfg (# Employees), 2008 [NAICS 3222]	1,674
3231	Printing & related support activities (# Employees), 2008 [NAICS 3231]	4,357
3241	Petroleum & coal products mfg (# Employees), 2008 [NAICS 3241]	159
3251	Basic chemical mfg (# Employees), 2008 [NAICS 3251]	237
3252	Resin, syn rubber, & artificial syn fibers & filaments mfg (# Employees), 2008 [NAICS 3252]	116
3253	Pesticide, fertilizer, & other agricultural chemical mfg (# Employees), 2008 [NAICS 3253]	2
3254	Pharmaceutical & medicine mfg (# Employees), 2008 [NAICS 3254]	6,089
3255	Paint, coating, & adhesive mfg (# Employees), 2008 [NAICS 3255]	203
3256	Soap, cleaning compound, & toilet preparation mfg (# Employees), 2008 [NAICS 3256]	2,745
3259	Other chemical product & preparation mfg (# Employees), 2008 [NAICS 3259]	183
3261	Plastics product mfg (# Employees), 2008 [NAICS 3261]	1,696
3262	Rubber product mfg (# Employees), 2008 [NAICS 3262]	168
3271	Clay product & refractory mfg (# Employees), 2008 [NAICS 3271]	15
3272	Glass & glass product mfg (# Employees), 2008 [NAICS 3272]	301
3273	Cement & concrete product mfg (# Employees), 2008 [NAICS 3273]	609
3274	Lime & gypsum product mfg (# Employees), 2008 [NAICS 3274]	14
3279	Other nonmetallic mineral product mfg (# Employees), 2008 [NAICS 3279]	291
3311	Iron & steel mills & ferroalloy mfg (# Employees), 2008 [NAICS 3311]	0
3312	Steel product mfg from purchased steel (# Employees), 2008 [NAICS 3312]	4
3313	Alumina & aluminum production & processing (# Employees), 2008 [NAICS 3313]	2
3314	Nonferrous metal (except aluminum) production & processing (# Employees), 2008 [NAICS 3314]	12
3315	Foundries (# Employees), 2008 [NAICS 3315]	62
3321	Forging & stamping (# Employees), 2008 [NAICS 3321]	331
3322	Cutlery & handtool mfg (# Employees), 2008 [NAICS 3322]	327
3323	Architectural & structural metals mfg (# Employees), 2008 [NAICS 3323]	2,539
3324	Boiler, tank, & shipping container mfg (# Employees), 2008 [NAICS 3324]	46
3325	Hardware mfg (# Employees), 2008 [NAICS 3325]	230
3326	Spring & wire product mfg (# Employees), 2008 [NAICS 3326]	91
3327	Machine shops, turned product, & screw, nut, & bolt mfg (# Employees), 2008 [NAICS 3327]	2,449

3328	Coating, engraving, heat treating, & allied activities (# Employees), 2008 [NAICS 3328]	513
3329	Other fabricated metal product mfg (# Employees), 2008 [NAICS 3329]	960
3331	Agriculture, construction, & mining machinery mfg (# Employees), 2008 [NAICS 3331]	9
3332	Industrial machinery mfg (# Employees), 2008 [NAICS 3332]	617
3333	Commercial & service industry machinery mfg (# Employees), 2008 [NAICS 3333]	658
3334	Ventilation, heating, AC, & commercial refrigeration equip mfg (# Employees), 2008 [NAICS 3334]	218
3335	Metalworking machinery mfg (# Employees), 2008 [NAICS 3335]	484
3336	Engine, turbine, & power transmission equipment mfg (# Employees), 2008 [NAICS 3336]	35
3339	Other general purpose machinery mfg (# Employees), 2008 [NAICS 3339]	627
3341	Computer & peripheral equipment mfg (# Employees), 2008 [NAICS 3341]	205
3342	Communications equipment mfg (# Employees), 2008 [NAICS 3342]	2,434
3343	Audio & video equipment mfg (# Employees), 2008 [NAICS 3343]	24
3344	Semiconductor & other electronic component mfg (# Employees), 2008 [NAICS 3344]	3,036
3345	Navigational, measuring, medical, & control instruments mfg (# Employees), 2008 [NAICS 3345]	2,400
3346	Mfg & reproducing magnetic & optical media (# Employees), 2008 [NAICS 3346]	19
3351	Electric lighting equipment mfg (# Employees), 2008 [NAICS 3351]	320
3352	Household appliance mfg (# Employees), 2008 [NAICS 3352]	150
3353	Electrical equipment mfg (# Employees), 2008 [NAICS 3353]	853
3359	Other electrical equipment & component mfg (# Employees), 2008 [NAICS 3359]	542
3361	Motor vehicle mfg (# Employees), 2008 [NAICS 3361]	32
3362	Motor vehicle body & trailer mfg (# Employees), 2008 [NAICS 3362]	122
3363	Motor vehicle parts mfg (# Employees), 2008 [NAICS 3363]	901
3364	Aerospace product & parts mfg (# Employees), 2008 [NAICS 3364]	1,399
3365	Railroad rolling stock mfg (# Employees), 2008 [NAICS 3365]	32
3366	Ship & boat building (# Employees), 2008 [NAICS 3366]	109
3369	Other transportation equipment mfg (# Employees), 2008 [NAICS 3369]	4
3371	Household & institutional furniture & kitchen cabinet mfg (# Employees), 2008 [NAICS 3371]	966
3372	Office furniture (including fixtures) mfg (# Employees), 2008 [NAICS 3372]	1,405
3379	Other furniture related product mfg (# Employees), 2008 [NAICS 3379]	154
3391	Medical equipment & supplies mfg (# Employees), 2008 [NAICS 3391]	1,756
3399	Other miscellaneous mfg (# Employees), 2008 [NAICS 3399]	3,409
5111	**Newspaper, periodical, book, & directory publishers (# Employees), 2008 [NAICS 5111]**	4,437
	TOTAL	**61926**

Source: SimplyMap (D&B Business Counts, 2008)

Wholesale Establishments in Nassau/Suffolk

Establishments

NAIC	Name	Suffolk	Nassau	
4231	Mtr vehicle & parts & supplies merchant wholesalers (# Businesses), 2008 [NAICS 4231]	185	142	
4232	Furniture & home furnishing merchant wholesalers (# Businesses), 2008 [NAICS 4232]	110	167	
4233	Lumber & other const material merchant wholesalers (# Businesses), 2008 [NAICS 4233]	129	110	
4234	Prof & commercial equip & supp merchant wholesalers (# Businesses), 2008 [NAICS 4234]	256	366	
4235	Metal & mineral (exc petrol) merchant wholesalers (# Businesses), 2008 [NAICS 4235]	56	78	
4236	Electrical goods merchant wholesalers (# Businesses), 2008 [NAICS 4236]	358	318	
4237	Hrdwr, plumb & heat equip & supp merchant wholesalers (# Businesses), 2008 [NAICS 4237]	128	135	
4238	Machinery, equipment, & supplies merchant wholesalers (# Businesses), 2008 [NAICS 4238]	312	260	
4239	Miscellaneous durable goods merchant wholesalers (# Businesses), 2008 [NAICS 4239]	227	385	
4241	Paper & paper product merchant wholesalers (# Businesses), 2008 [NAICS 4241]	104	138	
4242	Drugs & druggists' sundries merchant wholesalers (# Businesses), 2008 [NAICS 4242]	85	121	
4243	Apparel, piece goods, & notions merchant wholesalers (# Businesses), 2008 [NAICS 4243]	99	330	
4244	Grocery & related product merchant wholesalers (# Businesses), 2008 [NAICS 4244]	432	479	
4245	Farm products raw materials merchant wholesalers (# Businesses), 2008 [NAICS 4245]	8	15	
4246	Chemicals & allied products merchant wholesalers (# Businesses), 2008 [NAICS 4246]	86	98	
4247	Petroleum & petroleum products merchant wholesalers (# Businesses), 2008 [NAICS 4247]	29	44	
4248	Beer, wine, & alcoholic beverage merchant wholesalers (# Businesses), 2008 [NAICS 4248]	26	44	
4249	Miscellaneous nondurable goods merchant wholesalers (# Businesses), 2008 [NAICS 4249]	217	245	
4251	Wholesale electronic markets and agents and brokers (# Businesses), 2008 [NAICS 4251]	315	518	
	TOTAL	**3162**	**3993**	**7155**

Source: SimplyMap (D&B Business Counts, 2008)

Wholesale Employees in Nassau/Suffolk

	Employees			
4231	Mtr vehicle & parts & supplies merchant wholesalers (# Employees), 2008 [NAICS 4231]	1,454	940	
4232	Furniture & home furnishing merchant wholesalers (# Employees), 2008 [NAICS 4232]	2,186	1,436	
4233	Lumber & other const material merchant wholesalers (# Employees), 2008 [NAICS 4233]	1,577	1,098	
4234	Prof & commercial equip & supp merchant wholesalers (# Employees), 2008 [NAICS 4234]	7,366	6,400	
4235	Metal & mineral (exc petrol) merchant wholesalers (# Employees), 2008 [NAICS 4235]	509	393	
4236	Electrical goods merchant wholesalers (# Employees), 2008 [NAICS 4236]	6,404	3,702	
4237	Hrdwr, plumb & heat equip & supp merchant wholesalers (# Employees), 2008 [NAICS 4237]	1,316	1,260	
4238	Machinery, equipment, & supplies merchant wholesalers (# Employees), 2008 [NAICS 4238]	3,213	2,426	
4239	Miscellaneous durable goods merchant wholesalers (# Employees), 2008 [NAICS 4239]	2,417	2,647	
4241	Paper & paper product merchant wholesalers (# Employees), 2008 [NAICS 4241]	1,040	1,380	
4242	Drugs & druggists' sundries merchant wholesalers (# Employees), 2008 [NAICS 4242]	5,116	1,748	
4243	Apparel, piece goods, & notions merchant wholesalers (# Employees), 2008 [NAICS 4243]	1,282	2,348	
4244	Grocery & related product merchant wholesalers (# Employees), 2008 [NAICS 4244]	5,542	4,194	
4245	Farm products raw materials merchant wholesalers (# Employees), 2008 [NAICS 4245]	370	61	
4246	Chemicals & allied products merchant wholesalers (# Employees), 2008 [NAICS 4246]	605	862	
4247	Petroleum & petroleum products merchant wholesalers (# Employees), 2008 [NAICS 4247]	355	416	
4248	Beer, wine, & alcoholic beverage merchant wholesalers (# Employees), 2008 [NAICS 4248]	795	943	
4249	Miscellaneous nondurable goods merchant wholesalers (# Employees), 2008 [NAICS 4249]	2,044	1,775	
4251	Wholesale electronic markets and agents and brokers (# Employees), 2008 [NAICS 4251]	3,859	2,279	
	TOTAL	**47,450**	**36,308**	**83,758**

Source: SimplyMap (D&B Business Counts, 2008)

Other Freight-Related Establishments and Employees in Nassau/Suffolk:
Auto Dealers, Truckers, 3PL Providers, Warehousers

Category	NAIC	Name	Suffolk	Nassau	Tot Suf	Tot Nas	Tot Comb
		Establishments					
Autos	**4411**	Automobile dealers (# Businesses), 2008 [NAICS 4411]	209	209			
Trucking	**4841**	General freight trucking (# Businesses), 2008 [NAICS 4841]	246	250			
	4842	Specialized freight trucking (# Businesses), 2008 [NAICS 4842]	215	153			
					461	**403**	**864**
3PL	**4885**	Freight transportation arrangement (# Businesses), 2008 [NAICS 4885]	68	278			
Warehsing	**4931**	Warehousing & storage (# Businesses), 2008 [NAICS 4931]	40	45			
		Employees					
Autos	**4411**	Automobile dealers (# Employees), 2008 [NAICS 4411]	6,548	6,088			
Trucking	**4841**	General freight trucking (# Employees), 2008 [NAICS 4841]	2,097	1,522			
	4842	Specialized freight trucking (# Employees), 2008 [NAICS 4842]	1,743	838			
					3840	**2360**	**6200**
3PL	**4885**	Freight transportation arrangement (# Employees), 2008 [NAICS 4885]	293	3,410			
Warehsing	**4931**	Warehousing & storage (# Employees), 2008 [NAICS 4931]	1,586	872			

Source: SimplyMap (D&B Business Counts, 2008)

Locations of Suffolk Manufacturers (NAIC 33), Ranked by Number of Employees, With Annual Sales and SF

NAME	ADDRESS	CITY	ZIPCODE	EMP SIZE(a)	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	SQUARE FOOTAGE	PRIMARY SIC DESCRIPTION
Alcan Packaging	100 Wilshire Blvd	Brentwood	11717	155	$20 to $50 Million	Branch	32311916	Other Commercial Printing	40,000+	Labels (Mfrs)
Flagpoles Inc	95 Grazfed Hollow Rd	East Setauket	11733	90	$20 to $50 Million	Single Loc	33131601	Aluminum Extruded Prod Manufacturing	40,000+	Aluminum Extruded Products (Mfrs)
Colonial Wire & Cable Co	40 Engineers Rd	Hauppauge	11788	60	$10 to $20 Million	Single Loc	33261804	Other Fabricated Wire Prod Manufacturing	40,000+	Fabricated Wire Products-Misc (Mfrs)
Steadfast Electro Corp	145 S 13th St	Lindenhurst	11757	55	$10 to $20 Million	Single Loc	33149101	Non-Ferrous Metal Except CU & Al Shaping	40,000+	Drawing Insulating-Nonferrous Wire (Mfr)
Magnet Wire Co	161 Rodeo Dr	Edgewood	11717	43	$20 to $50 Million	Single Loc	42361085	Electric Equip & Wiring Merchant Whls	10,000 - 39,999	Wire & Cable-Electric (Whls)
Weico Wire & Cable Inc	161 Rodeo Dr	Edgewood	11717	43	$20 to $50 Million	Single Loc	42361085	Electric Equip & Wiring Merchant Whls	10,000 - 39,999	Wire & Cable-Electric (Whls)
Buxton Industries Inc	243 Wyandanch Ave # A	West Babylon	11704	35	$5 to $10 Million	Single Loc	33281101	Metal Heat Treating	10,000 - 39,999	Heat Treating Metal (Manufacturers)
Peck & Hale LLC	180 Division Ave	West Sayville	11796	35	$5 to $10 Million	Single Loc	33261804	Other Fabricated Wire Prod Manufacturing	40,000+	Fabricated Wire Products-Misc (Mfrs)
Cable Resources	32 Lighthouse Rd	Hampton Bays	11946	30	$10 to $20 Million	Single Loc	33592103	Fiber Optic Cable Manufacturing	10,000 - 39,999	Fiber Optics-Equipment & Systems (Mfrs)
Precision Mark-Outs Inc	41 Dorset Rd	East Hampton	11937	30	$10 to $20 Million	Single Loc	33592102	Fiber Optic Cable Manufacturing	10,000 - 39,999	Cables-Insulated (Manufacturers)
R F Technologies	4250 Veterans Memorial Hwy	Holbrook	11741	30	$10 to $20 Million	Single Loc	33592103	Fiber Optic Cable Manufacturing	10,000 - 39,999	Fiber Optics-Equipment & Systems (Mfrs)
Structural Steel Fabricators	Industrial Crnr	Medford	11763	30	$5 to $10 Million	Single Loc	33151304	Steel Foundries Except Investment	10,000 - 39,999	Foundries-Steel (Mfrs)
Yards Metals Inc	999 Motor Pkwy	Hauppauge	11788	29	$20 to $50 Million	Branch	42351036	Metal Merchant Whls	40,000+	Steel-Distributors & Warehouses (Whls)
Park Electrochemical Corp	48 S Service Rd # 300	Melville	11747	28	$241,852,000	Headquarter	33441203	Bare Printed Circuit Board Manufacturing	10,000 - 39,999	Printed & Etched Circuits-Mfrs
Lan Associates	150 Motor Pkwy # 112	Hauppauge	11788	26	$2.5 to $5 Million	Single Loc	54151905	Other Computer Related Svcs	10,000 - 39,999	Computers-Networking
Datapath Products Inc	20 Commerce Dr # B	Hauppauge	11788	25	$5 to $10 Million	Single Loc	33592103	Fiber Optic Cable Manufacturing	10,000 - 39,999	Fiber Optics-Equipment & Systems (Mfrs)
Unexcelled Castings Corp	663 Old Willets Path # 671	Hauppauge	11788	21	$2.5 to $5 Million	Single Loc	33151304	Steel Foundries Except Investment	10,000 - 39,999	Foundries-Steel (Mfrs)
Cygnus Automation Inc	1605 9th Ave	Bohemia	11716	18	$5 to $10 Million	Single Loc	33592902	Other Communication & Energy Wire Manufactu	10,000 - 39,999	Wire Harnesses-Electrical-Manufacturers
Pelkowski Precast Corp	294 Old Northport Rd # A	Kings Park	11754	18	$5 to $10 Million	Single Loc	42332017	Masonry Material Merchant Whls	2,500 - 9,999	Concrete Products (Whls)
Alufoil Products Co Inc	135 Oser Ave # 3	Hauppauge	11788	15	$2.5 to $5 Million	Single Loc	33299905	Misc Fabricated Metal Prod Manufacturing	10,000 - 39,999	Foil & Foil Products (Manufacturers)
BDC Products Inc	672 Albany Ave	Amityville	11701	15	$10 to $20 Million	Single Loc	42351010	Metal Merchant Whls	10,000 - 39,999	Die Castings (Whls)
Universal Shot Peening Inc	511 Sheffield Ave	West Babylon	11704	15	$2.5 to $5 Million	Single Loc	33281103	Metal Heat Treating	10,000 - 39,999	Shot Peening (Manufacturers)
Metal Improvement Co	195 Field St	West Babylon	11704	14	$2.5 to $5 Million	Branch	33281103	Metal Heat Treating	10,000 - 39,999	Shot Peening (Manufacturers)
Island Industries Corp	480 Mill Rd	Coram	11727	11	$2.5 to $5 Million	Single Loc	33122207	Steel Wire Drawing	10,000 - 39,999	Wire-Manufacturers
Jason Rollforming Inc	145 Dixon Ave # 1	Amityville	11701	10	$2.5 to $5 Million	Single Loc	23891054	Site Preparation Contractors	10,000 - 39,999	Metal Fabricators
Venapoints Inc	66 N Industry Ct	Deer Park	11729	10	$1 to $2.5 Million	Single Loc	33512105	Residential Electric Lighting Fixture Mfg	10,000 - 39,999	Lighting Fixtures-Manufacturers
Wizard Realty	20 Peachtree Ct # 102	Holbrook	11741	10	$2.5 to $5 Million	Single Loc	33149102	Non-Ferrous Metal Except CU & Al Shaping	10,000 - 39,999	Gold Filled & Rolled Gold Plate (Mfrs)
Aeronautical Service Co	105 Sunrise Rd	Bohemia	11716	9	$1 to $2.5 Million	Single Loc	33281103	Metal Heat Treating	10,000 - 39,999	Shot Peening (Manufacturers)
C R Steel LTD	377 41st St	Lindenhurst	11757	8	$2.5 to $5 Million	Single Loc	33111108	Iron & Steel Mills	2,500 - 9,999	Steel Mills (Mfrs)
DKP Wood Railing & Stairs	1971 Union Blvd	Bay Shore	11706	8	$2.5 to $5 Million	Single Loc	33131804	Other Aluminum Rolling & Drawing	2,500 - 9,999	Rails & Accessories (Manufacturers)
Jet Components Inc	62 Bridge Rd	Islandia	11749	8	$2.5 to $5 Million	Single Loc	33592101	Fiber Optic Cable Manufacturing	10,000 - 39,999	Cable (Manufacturers)
Omega Display Corp	195 Oser Ave	Hauppauge	11788	8	$1 to $2.5 Million	Single Loc	33721503	Showcases Partitions Shelving & Lockers	10,000 - 39,999	Display Fixtures & Materials-Mfrs
OPSI Corp	151 Cortland St	Lindenhurst	11757	8	$2.5 to $5 Million	Single Loc	33592103	Fiber Optic Cable Manufacturing	10,000 - 39,999	Fiber Optics-Equipment & Systems (Mfrs)
Custom Design Metals Inc	1612 Locust Ave # C	Bohemia	11716	6	$1 to $2.5 Million	Single Loc	33111104	Iron & Steel Mills	10,000 - 39,999	Primary Metal Products NEC (Mfrs)
Alert Glass & Architctrl Metals	333 Spur Dr N # F	Bay Shore	11706	5	Less Than $500,000	Single Loc	56199008	All Other Support Svcs	2,500 - 9,999	Glass-Board-Up Service
Rexwil Machine Corp	54 Penataquit Ave # 1	Bay Shore	11706	5	$500,000 to $1 Milli	Single Loc	33271002	Machine Shops	10,000 - 39,999	Machine Shops (Mfrs)
AM Cast Inc	40 Aero Rd	Bohemia	11716	4	$500,000 to $1 Milli	Single Loc	33151304	Steel Foundries Except Investment	10,000 - 39,999	Foundries-Steel (Mfrs)
AM Cast Inc	6080 Jericho Tpke	Commack	11725	4	$2.5 to $5 Million	Single Loc	42381004	Construction Equip Merchant Whls	10,000 - 39,999	Excavating Equipment (Whls)
Dynasty Metal Works Inc	787 Raynor Ave	Riverhead	11901	4	$1 to $2.5 Million	Single Loc	33131901	Other Aluminum Rolling & Drawing	10,000 - 39,999	Aluminum Fabricators (Mfrs)
J Tocchio & Sons Inc	409 Wading River Manor Rd	Manorville	11949	4	$1 to $2.5 Million	Single Loc	33131901	Other Aluminum Rolling & Drawing	10,000 - 39,999	Aluminum Fabricators (Mfrs)
Thermex-Thermatron Inc	400 Oser Ave # 1800	Hauppauge	11788	4	$1 to $2.5 Million	Single Loc	42383031	Industrial Machinery Merchant Whls	10,000 - 39,999	Heat Sealing (Whls)
Insulated Wire Inc	960 Sybran Ave	Bayport	11705	3	$1 to $2.5 Million	Single Loc	33122207	Steel Wire Drawing	10,000 - 39,999	Wire-Manufacturers
Investors Capital	7 Kenneth Ave	Huntington	11743	3	$500,000 to $1 Milli	Single Loc	33151201	Steel Investment Foundries	10,000 - 39,999	Investment Castings (Manufacturers)
Regina Foundry	663 Old Willets Path # A	Hauppauge	11788	3	$500,000 to $1 Milli	Single Loc	33151304	Steel Foundries Except Investment	10,000 - 39,999	Foundries-Steel (Mfrs)
BNL Metals Inc	200 2nd St # 39	Huntington Sta	11746	2	$1 to $2.5 Million	Single Loc	42351022	Metal Merchant Whls	2,500 - 9,999	Metal Specialties (Whls)
Wemco Casting	20 Jules Ct # 2	Bohemia	11716	2	Less Than $500,000	Single Loc	33151304	Steel Foundries Except Investment	2,500 - 9,999	Foundries-Steel (Mfrs)
Acme Sales Inc	72 E Hoffman Ave	Lindenhurst	11757	1	Less Than $500,000	Single Loc	33151304	Steel Foundries Except Investment	2,500 - 9,999	Foundries-Steel (Mfrs)
G Welding Svc	140 Old Northport Rd	Kings Park	11754	1	Less Than $500,000	Single Loc	33131901	Other Aluminum Rolling & Drawing	2,500 - 9,999	Aluminum Fabricators (Mfrs)

Source: SimplyMap (D&B Business Counts, 2008)

Locations of Suffolk Manufacturers With 20 or More Employees (NAIC 32), Ranked by Number of Employees, With Annual Sales and SF

NAME	ADDRESS	CITY	ZIPCODE	EMP SIZE	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	SQUARE FOOTAGE	PRIMARY SIC DESCRIPTION
Alcan Packaging	20 Melville Park Rd# 1	Melville	11747	220	$20 to $50 Million	Branch	32619913	All Other Plastics Prod Manufacturing	40,000+	Plastics & Plastic Products (Mfrs)
I W Industries Inc	35 Melville Park Rd	Melville	11747	185	$20 to $50 Million	Single Loc	32721207	Other Pressed & Blown Glass & Glassware	40,000+	Lamps-Supplies & Parts (Mfrs)
Lynbrook Glass & Architectural	941 Motor Pkwy	Hauppauge	11788	150	$20 to $50 Million	Single Loc	32721506	Glass Prod Manufacturing Made Of Purchased Glass	40,000+	Glass Prod Made-Purchased Glass (Mfrs)
Giaquinto Masonry Inc	429 Carlls Path	Deer Park	11729	100	$20 to $50 Million	Single Loc	32712101	Brick & Structural Clay Tile Manufacturing	40,000+	Brick-Clay Common & Face-Manufacturers
Old Castle Precast Corp	114 Rocky Point Rd	Middle Island	11953	86	$10 to $20 Million	Branch	32739002	Other Concrete Prod Manufacturing	40,000+	Concrete Prods-Ex Block & Brick (Mfrs)
Sound Cast Co Inc	1 Burt Dr	Deer Park	11729	60	$2.5 to $5 Million	Single Loc	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
Afco Precast Corp	114 Rocky Point Rd	Middle Island	11953	55	$10 to $20 Million	Single Loc	32739002	Other Concrete Prod Manufacturing	40,000+	Concrete Prods-Ex Block & Brick (Mfrs)
Austin Productions Inc	815 Grundy Ave	Holbrook	11741	50	$10 to $20 Million	Single Loc	33511002	Electric Lamp Bulb & Part Manufacturing	40,000+	Electric Lamp Bulbs & Tubes-Mfrs
Suffolk Cement Products Inc	1843 Middle Rd	Calverton	11933	46	$10 to $20 Million	Single Loc	32732001	Ready-Mix Concrete Manufacturing	10,000 - 39,999	ReadyMixed Concrete-Manufacturers
Nicolia ReadyMix Inc	615 Conti Ave	West Babylon	11704	40	$10 to $20 Million	Single Loc	32739002	Other Concrete Prod Manufacturing	2,500 - 9,999	Concrete Prods-Ex Block & Brick (Mfrs)
Southampton Brick & Tile LLC	30 Montauk Hwy	Wainscott	11975	40	$5 to $10 Million	Single Loc	32712101	Brick & Structural Clay Tile Manufacturing	10,000 - 39,999	Brick-Clay Common & Face-Manufacturers
Mercer Tool Corp	300 Suburban Ave	Deer Park	11729	37	$10 to $20 Million	Single Loc	32791001	Abrasive Prod Manufacturing	10,000 - 39,999	Abrasive Products (Mfrs)
Accent Supply	390 Middle Country Rd	Middle Island	11953	30	$2.5 to $5 Million	Single Loc	23831002	Drywall & Insulation Contractors	10,000 - 39,999	Acoustical Materials
Diamond Precast Products	170 Railroad Ave	Center Moriches	11934	30	$10 to $20 Million	Single Loc	42332017	Masonry Material Merchant Whls	2,500 - 9,999	Concrete Products (Whls)
North American Enclosures Inc	85 Jetson Ln	Central Islip	11722	30	$20 to $50 Million	Single Loc	33211610	Metal Stamping	10,000 - 39,999	Metal Stamping (Manufacturers)
Smithtown Concrete Prods Corp	441 Jericho Tpke	Smithtown	11787	30	$5 to $10 Million	Single Loc	32733102	Concrete Block & Brick Manufacturing	10,000 - 39,999	Concrete-Block & Brick (Mfrs)
Park Electrochemical Corp	48 S Service Rd #300	Melville	11747	28	$241,852,000	Headquarter	33441203	Bare Printed Circuit Board Manufacturing	10,000 - 39,999	Printed & Etched Circuits-Mfrs
Cascos Tile Corp	1085 Portion Rd	Farmingville	11738	25	$10 to $20 Million	Single Loc	23534005	Tile & Terrazzo Contractors	2,500 - 9,999	Tile-Ceramic-Contractors & Dealers
E G Danner Mfg Inc	160 Oval Dr	Islandia	11749	25	$5 to $10 Million	Single Loc	32721501	Glass Prod Manufacturing Made Of Purchased Glass	10,000 - 39,999	Aquariums & Aquarium Supls-Mfrs
Environmental Service Co Inc	40 Zorn Blvd	Yaphank	11980	25	$5 to $10 Million	Single Loc	23711018	Water & Sewer System Construction	2,500 - 9,999	Drainage Contractors
Star ReadyMix Inc	172 Peconic Ave	Medford	11763	25	$5 to $10 Million	Single Loc	32732001	Ready-Mix Concrete Manufacturing	10,000 - 39,999	ReadyMixed Concrete-Manufacturers
United Marble Inc	98 Lincoln Ave	Sayville	11782	25	$10 to $20 Million	Single Loc	42332028	Masonry Material Merchant Whls	2,500 - 9,999	Marble-Cultured (Whls)
Bistrian Gravel Corp	225 Springs Fireplace Rd	East Hampton	11937	23	$10 to $20 Million	Single Loc	42332036	Masonry Material Merchant Whls	2,500 - 9,999	Sand & Gravel (Whls)
A & N Trading	165 Bridge Rd	Islandia	11749	20	$5 to $10 Million	Single Loc	42332029	Masonry Material Merchant Whls	2,500 - 9,999	Marble-Natural (Whls)
All County Block & Supply	899 Lincoln Ave	Bohemia	11716	20	$10 to $20 Million	Single Loc	42381038	Construction Equip Merchant Whls	10,000 - 39,999	Mason Contractors Equip & Supls (Whls)
Colonna Marble Corp	24 Ridgewood Ave	Brentwood	11717	20	$2.5 to $5 Million	Single Loc	32799106	Cut Stone & Stone Prod Manufacturing	10,000 - 39,999	Marble Products-Natural-Manufacturers
Grit Giant	535 N Research Pl	Central Islip	11722	20	$2.5 to $5 Million	Single Loc	32711209	Vitreous China & Earthenware Articles Mfg	10,000 - 39,999	Giftwares-Manufacturers
Seal Reinforced Fiberglass Inc	19 Bethpage Rd	Copiague	11726	20	$5 to $10 Million	Single Loc	32799305	Mineral Wool Manufacturing	10,000 - 39,999	Fiber Glass Fabricators (Mfrs)
Specialty Bulb Co Inc	80 Orville Dr# 101	Bohemia	11716	20	$2.5 to $5 Million	Single Loc	33512105	Residential Electric Lighting Fixture Mfg	10,000 - 39,999	Lighting Fixtures-Manufacturers

Source: SimplyMap (D&B Business Counts, 2008)

Locations of Nassau Manufacturers with at Least 250 Employees (NAIC 33), Ranked by Number of Employees, With Annual Sales and SF

NAME	ADDRESS	CITY	ZIPCODE	EMP SIZE	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	SQUARE FOOTAG	PRIMARY SIC DESCRIPTION
Northrop Grumman	1 Grumman Rd W	Bethpage	11714	2500	$500 Million to $1 B	Branch	33451103	Search Detection & Navigation Instruments	40,000+	Aerospace Industries (Mfrs)
Canon USA Inc	1 Canon Plz	New Hyde Park	11042	1500	Over $1 Billion	Headquarter	42341008	Photographic Equip & Supplies Merchant Whls	40,000+	Photographic Equip & Supplies-Wholesale
Southern Wire & St	345 Underhill Blvd	Syosset	11791	800	$100 to $500 Millic	Single Loc	33312009	Construction Machinery Manufacturing	40,000+	Contractors-Equipment-Manufacturers
Pall Corp	25 Harbor Park Dr	Port Washington	11050	700	$100 to $500 Millic	Branch	33331914	Other Commercial & Svc Machinery Manufacturing	40,000+	Filters (Manufacturers)
Amette Optic Illusic	44 Harbor Park Dr	Port Washington	11050	400		Subsidiary	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
Great Neck Saw Ma	165 E 2nd St	Mineola	11501	400	$50 to $100 Million	Single Loc	33221250	Hand & Edge Tool Manufacturing	40,000+	Tools-Manufacturers
Pall Corp	2200 Northern Blvd	Greenvale	11548	400	$2,571,645,000	Headquarter	33331914	Other Commercial & Svc Machinery Manufacturing	40,000+	Filters (Manufacturers)
AeroFlex Inc	35 S Service Rd	Plainview	11803	350	$500 Million to $1 B	Headquarter	33422004	Broadcast & Wireless Communications Equip	40,000+	Communication Equipment-Manufacturers
AeroFlex Plainview	35 S Service Rd	Plainview	11803	350	$100 to $500 Millic	Branch	33422004	Broadcast & Wireless Communications Equip	40,000+	Communication Equipment-Manufacturers
FrequencyElectroni	55 Charles Lindbergh Blvd	Uniondale	11553	340	$52,810,000	Headquarter	33451303	Electricity & Signal Testing Instruments	40,000+	Instrs-Measuring/Testing Elec (Mfrs)
Hempstead Turnpik	221 Hempstead Tpke	West Hempstead	11552	330	$20 to $50 Million	Single Loc	33911604	Dental Laboratories	2,500 - 9,999	Laboratories-Dental
Adwin Industries Ir	686 Main St	Westbury	11590	300	$50 to $100 Million	Single Loc	33641301	Other Aircraft Parts & Equip	40,000+	Aircraft Components-Manufacturers
DarbyDental Supp	300 Jericho Quadrangle	Jericho	11753	300	$100 to $500 Millic	Single Loc	42345007	Medical Equip Merchant Whls	40,000+	Dental Equipment & Supplies-Wholesale
Enzo Clinical Labs	60 Executive Blvd	Farmingdale	11735	300	$20 to $50 Million	Subsidiary	62151106	Medical Laboratories	40,000+	Laboratories-Medical
IKEA	1100 BroadwayMall	Hicksville	11801	300	$50 to $100 Million	Branch	44211012	Furniture Stores	40,000+	Furniture-Dealers-Retail
Luxottica GROUP	44 Harbor Park Dr # 1	Port Washington	11050	300	Over $1 Billion	Headquarter	44613003	Optical Goods Stores	40,000+	Optical Goods-Retail
Mrc Industries Inc	85 Denton Ave	New Hyde Park	11040	300	$50 to $100 Million	Single Loc	33791008	Mattress Manufacturing	40,000+	Mattresses-Manufacturers
Stefans Instruments	2101 Jericho Tpke	New Hyde Park	11040	300	$50 to $100 Million	Branch	33361202	Speed Changer Drive & Gear Manufacturing	40,000+	Speed Changers-Ind-Drives & Gears (Mfrs)
Systeman Inc	11 Harbor Park Dr	Port Washington	11050	300	$2,779,875,000	Headquarter	44812001	Computer & Software Stores	40,000+	Computer & Equipment Dealers
Techno-Sommer Au	2101 Jericho Tpke	New Hyde Park	11040	300	$50 to $100 Million	Branch	33399901	Misc General Purpose Machinery Manufacturing	40,000+	Automation Systems & Equipment-Mfrs
Wenzelite Rehab Su	99 Seaview Blvd	Port Washington	11050	300	$50 to $100 Million	Single Loc	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
Brinkmann Instrums	1 Cantiague Rock Rd	Westbury	11590	270	$50 to $100 Million	Single Loc	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
Long Island Firepro	5 Harbor Park Dr	Port Washington	11050	251	$20 to $50 Million	Single Loc	33232304	Metal Window & Door Manufacturing	40,000+	Doors-Metal-Manufacturers
Dynamic Graphic Fi	327 New South Rd	Hicksville	11801	250	$50 to $100 Million	Branch	33211603	Metal Stamping	40,000+	Foil Stamping (Manufacturers)
Sulzer Metco Us Inc	1101 Prospect Ave	Westbury	11590	250		Subsidiary	33331925	Other Commercial & Svc Machinery Manufacturing	40,000+	Metallizing Equipment (Manufacturers)
Davis Vision Inc	159 Express St	Plainview	11803	225	$100 to $500 Millic	Subsidiary	33911505	Ophthalmic Goods Manufacturing	40,000+	Optical Goods-Manufacturers
Netsmart Technolos	3500 Sunrise Hwy# D122	Wantagh	11793	130	$50 to $100 Millior	Headquarter	51121001	Software Publishers	40,000+	Computer Software-Manufacturers
Tdk USA Corp	901 Franklin Ave	Garden City	11530	125	Over $1 Billion	Headquarter	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
Lifetime Brands Inc	1000 Stewart Ave	Garden City	11530	120	$493,725,000	Headquarter	33221402	Kitchen Utensil Pot & Pan Manufacturing	40,000+	Housewares-Manufacturers
SamAsh Music Cor	278 Duffy Ave	Hicksville	11801	116	$100 to $500 Millic	Headquarter	45114008	Musical Instrument & Supplies Stores	2,500 - 9,999	Musical Instruments-Dealers
AFA Protective Sys	155 Michael Dr	Syosset	11791	54	$40,000,000	Headquarter	56162104	Security Systems Svcs Except Locksmiths	40,000+	SecuritySystems
American Medical /	3265 Lawson Blvd	Oceanside	11572	50	$35,495,000	Headquarter	42345017	Medical Equip Merchant Whls	40,000+	Medical Alarms (Whls)
Porta Systems Corp	6851 Jericho Tpke # 170	Syosset	11791	48	$27,820,000	Headquarter	51791916	All Other Telecommunications	10,000 - 39,999	Telecommunications Services
United Capital Corp	9 Park Pl	Great Neck	11021	30	$19,652,000	Headquarter	53121004	Offices Of Real Estate Agents & Brokers	2,500 - 9,999	Real Estate Investments
Telephonics Corp	815 Broadhollow Rd	Farmingdale	11735		$100 to $500 Millic	Subsidiary	33441902	Other Electronic Component Manufacturing	10,000 - 39,999	Electronic Equipment & Supplies-Mfrs

Source: SimplyMap (D&B Business Counts, 2008)

Locations of Nassau Manufacturers with 100 or More Employees (NAIC 32), Ranked by Number of Employees, With Annual Sales and SF

NAME	ADDRESS	CITY	ZIPCODE	EMP	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	SQUARE I	PRIMARY SIC DESCRIPTION
Uniflex Inc	474 Grand Blvd	Westbury	11590	350	$20 to $50 Million	Single Loc	32222302	Plastics Foil & Coated Paper Bag Manufacturing	40,000+	Bags-Plastic (Mfrs)
Coral Graphic Svc	840 S Broadway	Hicksville	11801	300		Subsidiary	32311009	Commercial Lithographic Printing	40,000+	Printers (Mfrs)
IBC/Shell Packagi	1981 Marcus Ave	New Hyde Park	11042	270	$50 to $100 Million	Single Loc	32615004	Urethane & Other Foam Prod Manufacturing	40,000+	Plastics-Foam (Mfrs)
Seal-It Inc	70 Schmitt Blvd	Farmingdale	11735	250	$100 to $500 Million	Single Loc	42399019	All Other Durable Goods Merchant Whls	40,000+	Importers (Whls)
Anchor Plastics Co	23 Estates Ter N	Manhasset	11030	200	$50 to $100 Million	Single Loc	33639902	All Other Motor Vehicle Parts Manufacturing	40,000+	Automobile Parts & Supplies-Mfrs
Arlington Press	7 Delaware Dr	New Hyde Park	11042	200	$20 to $50 Million	Branch	32311908	Other Commercial Printing	40,000+	Commercial Printing NEC (Mfrs)
Coffee Distributin	200 Broadway	New Hyde Park	11040	200	$10 to $20 Million	Single Loc	45439002	Other Direct Selling Establishments	40,000+	Coffee Break Service & Supplies
Dri Mark Products	15 Harbor Park Dr	Port Washington	11050	200	$20 to $50 Million	Single Loc	33994104	Pen & Mechanical Pencil Manufacturing	40,000+	Pens-Mechanical Pencils & Parts (Mfrs)
E-Z-Em Inc	750 Summa Ave	Westbury	11590	200	$20 to $50 Million	Single Loc	54161302	Marketing Consulting Svcs	40,000+	Marketing Consultants
Print International	27 Saint Johns Pl	Freeport	11520	200	$20 to $50 Million	Single Loc	32311009	Commercial Lithographic Printing	40,000+	Printers (Mfrs)
American Commer	1000 Stewart Ave	Garden City	11530	175	$50 to $100 Million	Branch	42322010	Home Furnishing Merchant Whls	40,000+	Chinaware & Glassware-Wholesale
Jodee Plastics Inc	100 Frank Rd	Hicksville	11801	156	$20 to $50 Million	Single Loc	32619924	All Other Plastics Prod Manufacturing	40,000+	Plastics-Extruders (Mfrs)
Patrician Products	100 Frank Rd	Hicksville	11801	156	$20 to $50 Million	Single Loc	32619913	All Other Plastics Prod Manufacturing	40,000+	Plastics & Plastic Products (Mfrs)
Evergood Products	200 Adams Blvd	Farmingdale	11735	150	$50 to $100 Million	Headquarter	32541101	Medicinal & Botanical Manufacturing	40,000+	Medicinal Chem/Botanical Prods (Mfrs)
General Fiber	170 Nassau Term	New Hyde Park	11040	150	$5 to $10 Million	Single Loc	32229910	All Other Converted Paper Prod Manufacturing	40,000+	Paper-Corrugated (Mfrs)
Structural Industri	96 New South Rd	Hicksville	11801	150	$20 to $50 Million	Single Loc	32199928	Misc Wood Prod Manufacturing	40,000+	Wood Products NEC (Mfrs)
Shell Containers Ir	1981 Marcus Ave	New Hyde Park	11042	125	$20 to $50 Million	Single Loc	32221301	Setup Paperboard Box Manufacturing	40,000+	Boxes-Paper (Mfrs)
Mutual Engraving	511 Hempstead Av	West Hempstead	11552	120	$5 to $10 Million	Single Loc	32311908	Other Commercial Printing	40,000+	Commercial Printing NEC (Mfrs)
N E Windows	1 Kees Pl	Merrick	11566	110	$20 to $50 Million	Single Loc	44419069	Other Building Material Dealers	40,000+	Windows
A & K Knitting M	145 Schmitt Blvd	Farmingdale	11735	100	$20 to $50 Million	Single Loc	32191806	Other Millwork Including Flooring	40,000+	Millwork (Mfrs)
ALK-Abello	35 Channel Dr	Port Washington	11050	100	$50 to $100 Million	Single Loc	32541215	Pharmaceutical Preparation Manufacturing	40,000+	Medications Wholesale & Mfrs
Bamberger Polym	2 Jericho Plz	Jericho	11753	100	$100 to $500 Million	Headquarter	32521105	Plastics Material & Resin Manufacturing	40,000+	Plastics-Raw Mtrls/Powder/Resin-Mfrs
Cherry Lane Litho	15 E Bethpage Rd	Plainview	11803	100	$20 to $50 Million	Single Loc	32311009	Commercial Lithographic Printing	40,000+	Printers (Mfrs)
Informed RX	26 Harbor Park Dr	Port Washington	11050	100	$500 Million to $1 Bi	Subsidiary	44611009	Pharmacies & Drug Stores	40,000+	Pharmacies
Pascal Corp	361 Eastern Pkwy	Farmingdale	11735	100	$20 to $50 Million	Single Loc	32619916	All Other Plastics Prod Manufacturing	40,000+	Plastics-Fabricating/Finish/Decor-Mfrs
Rohm & Haas Elec	272 Buffalo Ave	Freeport	11520	100	$50 to $100 Million	Branch	32599805	Other Misc Chemical Prod Manufacturing	40,000+	Chemicals-Manufacturers
Stock Drive Produ	2101 Jericho Tpke	New Hyde Park	11040	100	$20 to $50 Million	Branch	33361301	Mechanical Power Transmission Equip Manufactur	40,000+	Mechanical Power Trans Equip NEC (Mfrs)
Tishcon Corp	30 New York Ave	Westbury	11590	100	$10 to $20 Million	Branch	32541207	Pharmaceutical Preparation Manufacturing	40,000+	Drug Millers (Mfrs)
Minuteman Press I	61 Executive Blvd	Farmingdale	11735	50	$10 to $20 Million	Headquarter	32311009	Commercial Lithographic Printing	40,000+	Printers (Mfrs)

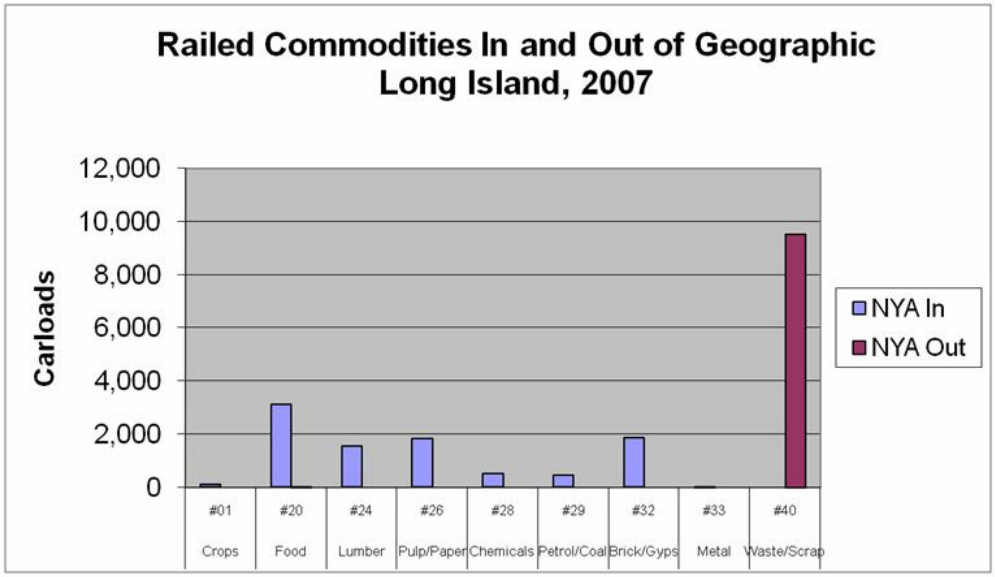
Source: SimplyMap (D&B Business Counts, 2008)

Locations of Nassau Manufacturers with 50 or More Employees (NAIC 31), Ranked by Number of Employees, With Annual Sales and SF

NAME	ADDRESS	CITY	ZIPCOI	EMP	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	SQUARE FOOT	PRIMARY SIC DESCRIPTION
Kravet Fabrics Inc	225 Central Ave S	Bethpage	11714	450	$20 to $50 Million	Single Loc	31499924	All Other Misc Textile Prod Mills	40,000+	Textile Goods NEC (Mfrs)
Milleridge Bakery	585 N Broadway	Jericho	11753	350	$20 to $50 Million	Single Loc	31181102	Retail Bakeries	40,000+	Bakers-Retail
Uniflex Inc	474 Grand Blvd	Westbury	11590	350	$20 to $50 Million	Single Loc	32222302	Plastics Foil & Coated Paper Bag Manufa	40,000+	Bags-Plastic (Mfrs)
Hornell Brewing C	5 Dakota Dr # 205	New Hyde Park	11042	250	$10 to $20 Million	Headquarter	31211103	Soft Drink Manufacturing	40,000+	Beverages-Manufacturers
Springfield LLC	30 Jericho Executi	Jericho	11753	250	$50 to $100 Million	Single Loc	31331223	Other Textile & Fabric Finishing Mills	40,000+	Textiles-Wholesale
Love & Quiches D	178 Hanse Ave	Freeport	11520	232	$50 to $100 Million	Single Loc	31181202	Commercial Bakeries	40,000+	Bread/Other Bakery Prod-Ex Cookies
Coffee Distributing	200 Broadway	New Hyde Park	11040	200	$10 to $20 Million	Single Loc	45439002	Other Direct Selling Establishments	40,000+	Coffee Break Service & Supplies
Penthouse Group	225 Buffalo Ave	Freeport	11520	175	$5 to $10 Million	Single Loc	31499921	All Other Misc Textile Prod Mills	40,000+	Sewing Contractors (Mfrs)
Jimlar Corp	160 Great Neck Rd	Great Neck	11021	160	$100 to $500 Million	Single Loc	31621901	Other Footwear Manufacturing	40,000+	Footwear Except Rubber NEC (Mfrs)
Nassau Candy	530 W John St	Hicksville	11801	160	$20 to $50 Million	Single Loc	42445002	Confectionery Merchant Whls	40,000+	Candy & Confectionery-Wholesale
Abercrombie & Fit	630 Old Country R	Garden City	11530	150	$20 to $50 Million	Branch	44814001	Family Clothing Stores	40,000+	Clothing-Retail
Frye Co	160 Great Neck Rd	Great Neck	11021	150	$10 to $20 Million	Single Loc	31621901	Other Footwear Manufacturing	40,000+	Footwear Except Rubber NEC (Mfrs)
Swimwear Anywhe	85 Sherwood Ave	Farmingdale	11735	140	$20 to $50 Million	Single Loc	44815039	Clothing Accessories Stores	40,000+	Swimwear & Accessories-Retail
Gap	630 Old Country R	Garden City	11530	128	$20 to $50 Million	Branch	44814001	Family Clothing Stores	40,000+	Clothing-Retail
GMM Baking Cor	85 Inip Dr	Inwood	11096	100	$5 to $10 Million	Single Loc	31181102	Retail Bakeries	40,000+	Bakers-Retail
Montauk Rug & C	65 Price Pkwy	Farmingdale	11735	100	$20 to $50 Million	Single Loc	44221001	Floor Covering Stores	40,000+	Carpet & Rug Dealers-New
Leather Craftsmen	51 Carolyn Blvd	Farmingdale	11735	90	$10 to $20 Million	Single Loc	32312102	Trade-Binding & Related Work	40,000+	Bookbinders (Mfrs)
Empress Internatio	5 Dakota Dr # 303	New Hyde Park	11042	80	$100 to $500 Million	Single Loc	31142101	Fruit & Vegetable Canning	40,000+	Canning (Mfrs)
Dr Pepper Snapple	300 Michael Dr	Syosset	11791	75	$50 to $100 Million	Branch	31211103	Soft Drink Manufacturing	40,000+	Beverages-Manufacturers
Fruitcrown Produc	250 Adams Blvd	Farmingdale	11735	75	$50 to $100 Million	Single Loc	42442005	Packaged Frozen Food Merchant Whls	40,000+	Food Products (Whls)
Wilen Media	5 Wellwood Ave	Farmingdale	11735	70	$20 to $50 Million	Single Loc	31412901	Other Household Textile Prod Mills	40,000+	Closet Accessories-Manufacturers
American Eagle Ou	160 Great Neck Rd	Great Neck	11021	60	$10 to $20 Million	Branch	44814001	Family Clothing Stores	10,000 - 39,999	Clothing-Retail
Creation Baumann	114 N Centre Ave	Rockville Centre	11570	60	$10 to $20 Million	Single Loc	31331208	Other Textile & Fabric Finishing Mills	40,000+	Fabrics-Wholesale
Old Navy	3561 Hempstead T	Levittown	11756	53	$5 to $10 Million	Branch	44814001	Family Clothing Stores	10,000 - 39,999	Clothing-Retail
Apple & Eve LLC	2 Seaview Blvd # 3	Port Washington	11050	50	$50 to $100 Million	Single Loc	31142103	Fruit & Vegetable Canning	40,000+	Juices-Manufacturers
Bramson House	151 Albany Ave	Freeport	11520	50	$10 to $20 Million	Single Loc	31324902	Other Knit Fabric & Lace Mills	40,000+	Curtains-Manufacturers
Bruce's Restaurant	34 Middle Neck Rd	Great Neck	11021	50	$1 to $2.5 Million	Single Loc	72211019	Full-Service Restaurants	2,500 - 9,999	Restaurants
Carnegie Fabrics It	110 N Centre Ave	Rockville Centre	11570	50	$10 to $20 Million	Single Loc	31321010	Broad-Woven Fabric Mills	40,000+	Fabrics-Manufacturers
Chocolate Inn LTD	80 Mill Rd	Freeport	11520	50	$20 to $50 Million	Single Loc	31133001	Confectionery Mfg From Purchased Choco	40,000+	Candy & Confectionery-Manufacturers
Les Chateaux De F	1 Craft Ave	Inwood	11096	50	$10 to $20 Million	Single Loc	31141202	Frozen Specialty Food Manufacturing	40,000+	Frozen Food Processors (Mfrs)
National Webbing	77 2nd Ave	New Hyde Park	11040	50	$5 to $10 Million	Single Loc	31322108	Narrow Fabric Mills	40,000+	Narrow Fabric & Other Smallwares-Mills
Pidy Gourmet Past	90 Inip Dr	Inwood	11096	50	$10 to $20 Million	Single Loc	31181202	Commercial Bakeries	40,000+	Bread/Other Bakery Prod-Ex Cookies
R A Newhouse Inc	110 Liberty Ave	Mineola	11501	50	$2.5 to $5 Million	Single Loc	31599923	All Other Accessory & Apparel Manufactu	40,000+	Apparel & Accessories NEC (Mfrs)
Riesterer's Bakery	282 Hempstead Av	West Hempstead	11552	50	$2.5 to $5 Million	Single Loc	31181102	Retail Bakeries	2,500 - 9,999	Bakers-Retail
Colorado Prime Fo	500 Bi County Blv	Farmingdale	11735	26		Subsidiary	45439006	Other Direct Selling Establishments	2,500 - 9,999	Food Plans

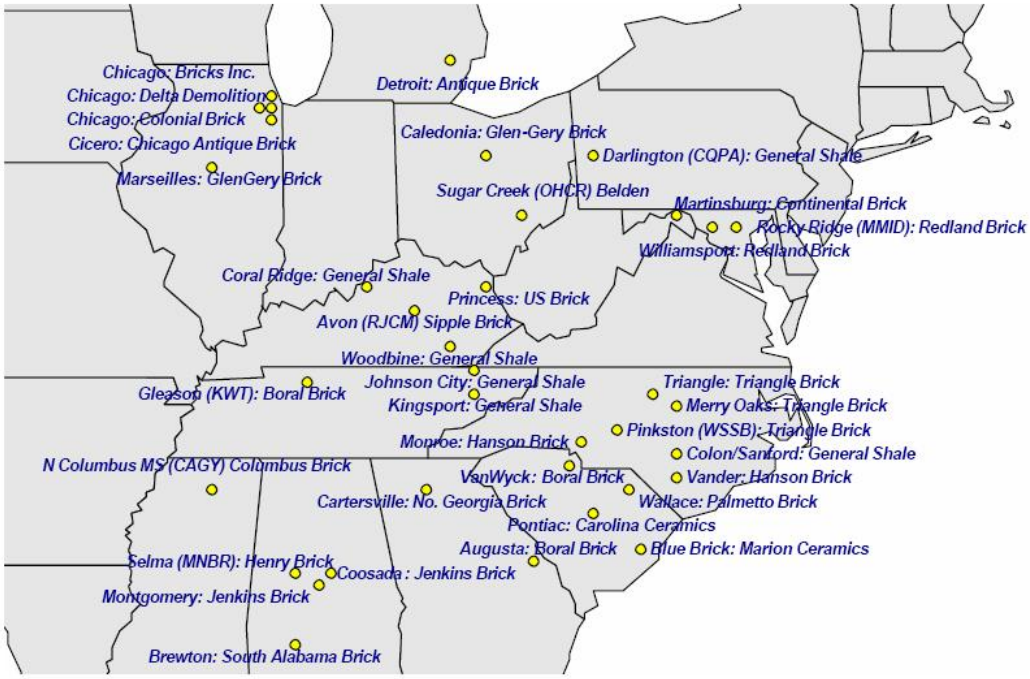
Source: SimplyMap (D&B Business Counts, 2008)

Appendix [6.7]: Current Rail Freight Commodities on Geographic Long Island


Railed Commodities In and Out of Geographic Long Island, 2007
Carloads
12,000
10,000
8,000
6,000
4,000
2,000
0
#01 Crops
#20 Food
#24 Lumber
#26 Pulp/Paper
#28 Chemicals
#29 Petrol/Coal
#32 Brick/Gyps
#33 Metal
#40 Waste/Scrap
NYA In
NYA Out

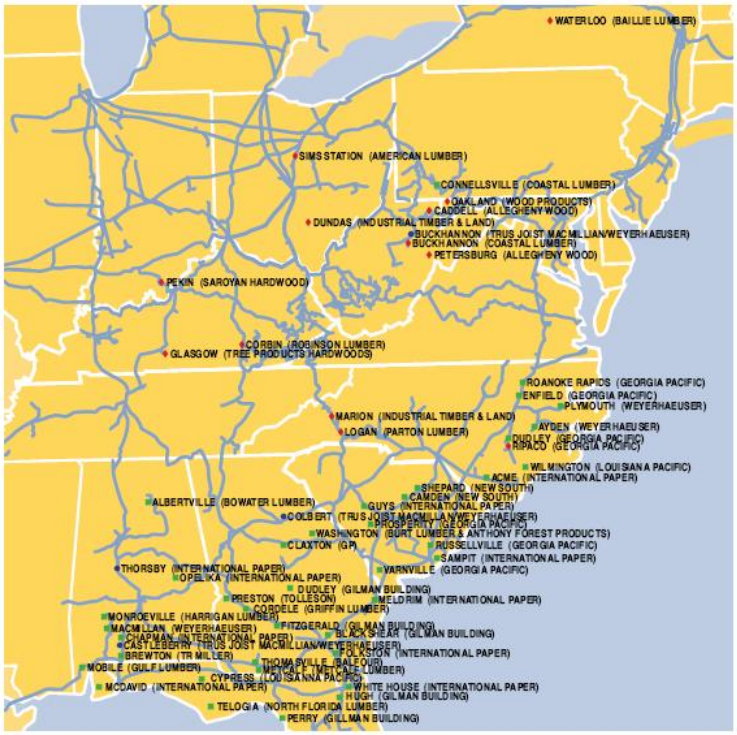
Appendix [6.8]: Origins of Rail Freight Commodities Currently Drayed to Geographic Long Island from Distribution Facilities in Pennsylvania and New Jersey

Where Bricks Come From



http://www.csx.com/share/customers/bm_maps/docs/Brickyards-REF21717.pdf

Where Lumber Comes From



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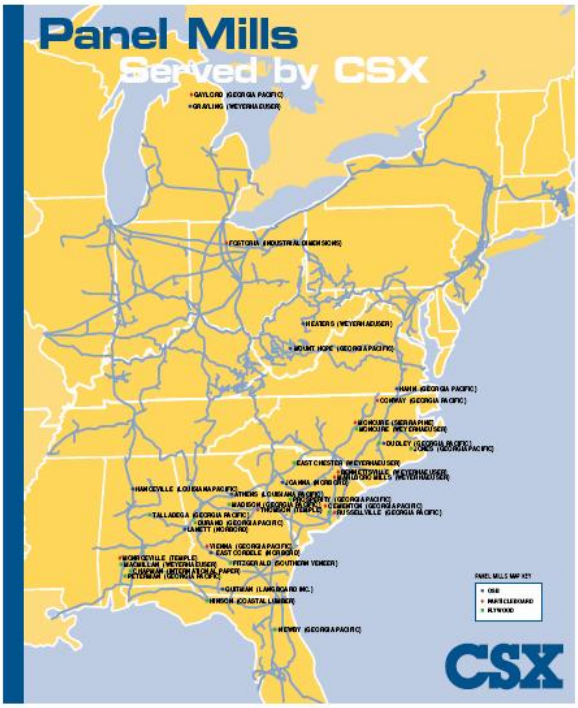
http://www.csx.com/share/customers/bm_maps/docs



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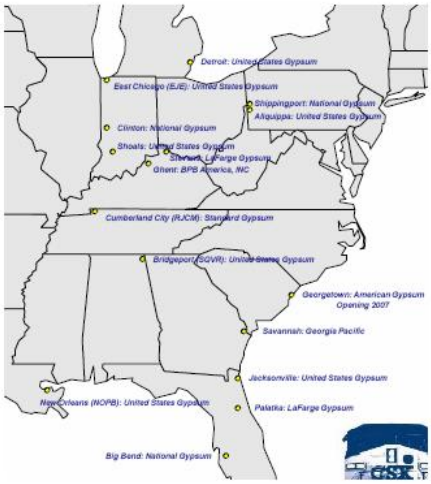
http://www.csx.com/share/customers/bm_maps/docs/PanelMillsMap-REF21716.pdf

Where Wallboard Comes From



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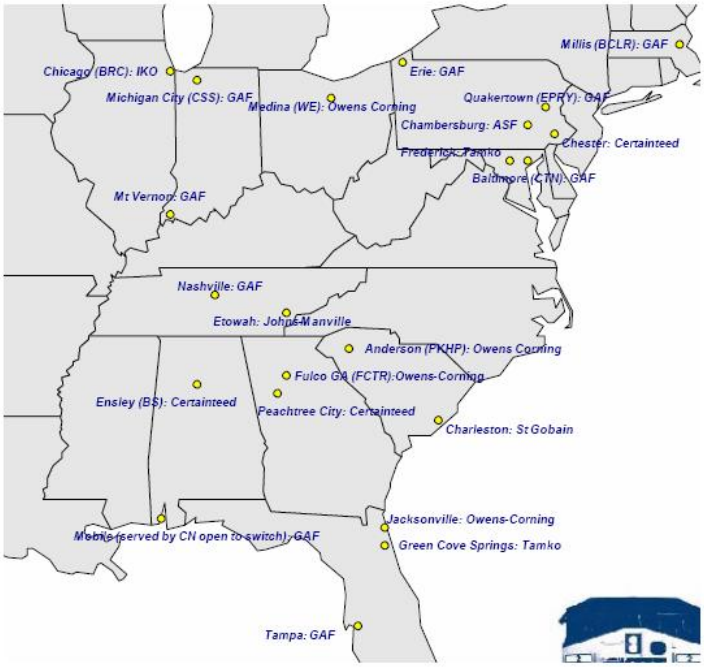
http://www.csx.com/share/customers/bm_maps/docs/WallboardPlants-REF21718.pdf

Where Roofing Material Comes From



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http://www.csx.com/share/customers/bm_maps/docs/RoofingMaterialsPlants-REF21719.pdf

Where Cars Come From (Auto Racks): Auto Assembly Facilities

http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities/pdf/ns_auto_distr.pdf, 2-14-09

Auto Distribution Facilities

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http://www.nscorp.com/nscportal/nscorp/Customers, 2-14-09

The 27 Aggregate Quarries Nearest Long Island

SMI	Canaan	CT
Specialty Minerals Inc.	Adams	MA
Williams Stone Co. Inc.	East Otis	MA
Aggregate Industries	Bladensburg	MD
Flanigan P & Sons	Baltimore	MD
Vulcan Materials Company	Westport	MD
Vulcan Materials Company	Laurel	MD
Aggregate Industries	LaPlata	MD
Vulcan Quarry	Bittinger	PA
Basic Construction	Newport News	VA
Branscome Henry	Hampton	VA
Branscome Henry	Williamsburg	VA
Global Stone	Strasburg	VA
Jack Massie	Williamsburg	VA
Luck Stone Quarry	Luck	VA
MMA Quarry	Doswell	VA
Martin Marietta Eastern	Lee Hall	VA
Muller EW Contr.	Newport News	VA
Pembroke Construction	Hampton	VA
Vulcan Mideast	Portsmouth	VA
Vulcan Mideast	Franklin	VA
Vulcan Mideast	Suffolk	VA
Vulcan Quarry	Manassas	VA
Yorktown Minerals	Amoco	VA
Omya	Proctor	VT
Aggregate Industries	MILLVILLE	WV
Aggregate Industries	Millville	WV

https://www.csx.com/?fuseaction=customers.min_agg_directory, 2-23-09

Appendix [6.9]: An Emerging Trend Suggesting Potential for Future Increases in Rail Freight on Geographic Long Island

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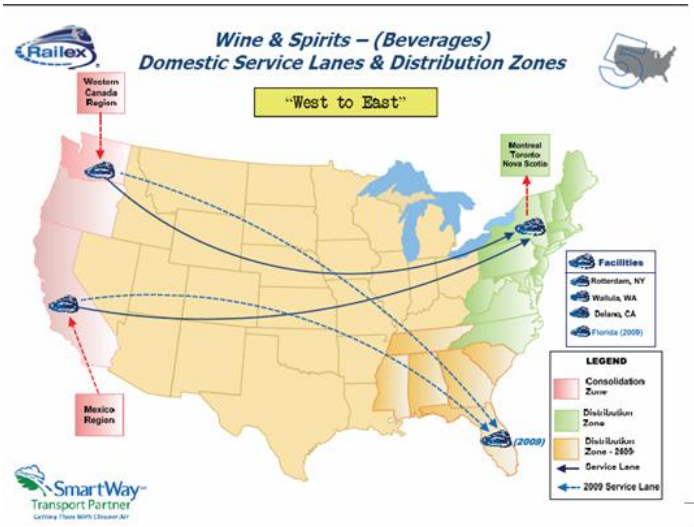
http://www.railexusa.com/, 2-15-09



http://www.railexusa.com/Railex_wine_servicemaps.pdf, 2-15-09

Appendix [6.10]: Current Logistics System Supplying Geographic Long Island

99 Warehouse Facilities Within 100 Miles of Brentwood
(International Warehouse Logistics Association members)

http://www.logisticsservicelocator.com/results.aspx

The 34 Food Distribution Warehouses in the Metro Catchment Area Served by CSX and Its Short Line Partners

BGB Transport, Inc.	Elizabeth	NJ
East Coast Warehouse & Distributior	Greenville	NJ
Hermann Warehouse Corp.	Somerset	NJ
Hermann Warehouse Corp.	Monmouth	NJ
Hermann Warehouse Corp.	South Brunswick	NJ
Hermann Warehouse Corp.	Dayton	NJ
Meadow Distribution	Kearny	NJ
Meadow Distribution	Kearny	NJ
National Distribution Services	N. Bergen	NJ
Port Elizabeth Terminal and Warehou	Port Newark	NJ
REFRIG-IT Warehouse	South Kearny	NJ
Standard Warehouse Company	Pennsauken	NJ
Superior Warehousing Systems, Inc.	Edison	NJ
Tri-Island Distributors, Inc.	Newark	NJ
Distribution Unlimited	Guilderland Center	NY
Federal Marine Terminals, Inc.	Albany	NY
K-C Refrigeration Transportation	Troy	NY
Newhaven Distribution	New York (Bronx)	NY
Powerhouse Logistics / Brooklyn Su	New York (Bronx)	NY
A&M Warehouse & Distribution	Philadelphia	PA
A.P.R.I.L, Inc.	Philadelphia	PA
Atlas Cold Storage	Hatfield	PA
Brooks Provision/ Philadelphia Logist	Philadelphia	PA
D & D Distribution Service	York	PA
Hanover Terminal, Inc.	Hanover	PA
Hartwell Warehouse	Bristol	PA
Horizon Stevedoring	Philadelphia	PA
Judge Organization	Bristol	PA
Lansdale Warehouse	Hatfield	PA
Lansdale Warehouse Co. Inc.	Lansdale	PA
Mid Atlantic Distribution	Croydon	PA
Penn Trucking & Warehouse Co.	Philadelphia	PA

https://www.csx.com/?fuseaction=customers.food_gis, 2-23-09

Truck-Rail Container Yards, NY Metro Area

	City	Terminal	Carrier
Detail	New York Metro, NY	E-Rail (ERL)	NS
Detail	New York Metro, NY	Elizabeth Marine Terminal (EMT	CSXI
Detail	New York Metro, NY	Elizabeth Marine Terminal (EMT	NS
Detail	New York Metro, NY	Expressrail (EXP)	NS
Detail	New York Metro, NY	Kearny (KRN)	CSXI
Detail	New York Metro, NY	Little Ferry (LTF)	CSXI
Detail	New York Metro, NY	NJIT Croxton (NJT)	NS
Detail	New York Metro, NY	North Bergen (NBG)	CSXI
Detail	New York Metro, NY	North Kearny (NKR)	CSXI
Detail	New York Metro, NY	Oak Island (OAK)	CP

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https://www.csx.com/?fuseaction=customers.bm_egis, 2-23-09

Building Supplies Reload Centers Fed by CSX and Its Short Lines That Serve Metro NY

Camden International Commodities Te	Camden	NJ
Harris Storage & Distribution	Millville	NJ
National Distribution	North Bergen	NJ
Paper Warehouse	Avenel	NJ
Poinier Street Reload	Newark	NJ
Shea Brothers Lumber	Delanco	NJ
South Jersey Port Corporation	Camden	NJ
Standard Warehouse Company	Pennsauken	NJ
Total Logistic Control	Hainesport	NJ
Distribution Unlimited	Albany	NY
All Purpose Warehouse	Levittown	PA
Horizon Stevedoring	Philadelphia	PA

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https://www.csx.com/?fuseaction=customers.bm_egis, 2-23-09

8 Transflo (CSX) Within Metro Catchment Area

Albany	One Exchange Street Extension	Albany
Baltimore	1525 Andre St	Baltimore
Chester	111 East 13th Street	Chester
Elizabeth	454 York Street	Elizabeth
Philadelphia - East	52 E. Oregon Street	Philadelphia
Philadelphia - West	South 36th at Moore Street	Philadelphia
Syracuse	200 Welch Street	East Syracuse
Wilmington, DE	1205 Centerville Road	Wilmington

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https://www.transflo.net/?fuseaction=terminal.find&ft=1, 2-23-09

Motor Carriers in New York Metro Area

NYAccord Trucking, Inc.
APS Trucking, Inc.
Atlantic Northeast Transport, Inc
B R Trucking Co. of N. Bergen, Inc.
C & K Trucking LLC
Cabru Transport, Inc.
ContainerPort Group, Inc.
D.E. Hartman Trucking, Inc
DDI Transportation, Inc.
Defender Auto Express, Inc.
Eagle Systems, Inc.
Evans Delivery Company, Inc. - All Points
Farruggio's Express, Inc.
FastFreight Intermodal, Inc.
First Coast Logistics Services, Inc.
Harold Distribution, Inc.
Inland Container Express
Inter-Metro Freight, Inc.
Jon-Mar Trucking Company, Inc.
Landstar System, Inc. - Gemini
Landstar System, Inc. - Inway
Landstar System, Inc. - Ligon
Landstar System, Inc. - Ranger
Mason Dixon Intermodal, Inc.
Mountain Intermodal, Inc.
Pacer Cartage, Inc.
Ribeiro Trucking, LLC/ dba RTL Transport
Roadlink
Romac Express, Inc.
Salson Logistics, Inc.
TFX Incorporated
Twin Lights Logistics, LLC
XTL, Inc

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http://www.intermodal.org/skedz/index.php

Nassau Zip Codes Ranked by Number of Warehousing Employees

Rank	Location	Warehousing & storage (# Employees), 2008 [NAICS 4931]	
1	"11735, Farmingdale, NY"	363	
2	"11553, Uniondale, NY"	69	
3	"11801, Hicksville, NY"	66	
4	"11096, Inwood, NY"		60
5	"11530, Garden City, NY"	50	
6	"11791, Syosset, NY"		33
7	"11050, Port Washington, NY"	32	
8	"11552, West Hempstead, NY"	32	
9	"11590, Westbury, NY"	22	
10	"11771, Oyster Bay, NY"	13	
11	"11804, Old Bethpage, NY"		13
12	"11797, Woodbury, NY"	13	
13	"11003, Elmont, NY"		13
14	"11550, Hempstead, NY"	4	
15	"11040, New Hyde Park, NY"	4	
16	"11001, Floral Park, NY"	2	
17	"11758, Massapequa, NY"	2	
18	"11566, Merrick, NY"		2
19	"11024, Great Neck, NY"	2	
20	"11714, Bethpage, NY"	2	
21	"11570, Rockville Centre, NY"	2	
22	"11559, Lawrence, NY"	2	

[the remaining 44 zip codes in Nassau have no NAICs employees]

Source: D&B Business, 2008

Locations of Nassau Wholesalers With 250 or More Employees (NAIC 42), Ranked by Number of Employees, With Annual Sales and SF

CITY	ZIPCOI	EMP	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	OTAGE	PRIMARY SIC DESCRIPTION
Freeport	11520	5000	Over $1 Billion	Single Loc	42312015	New Motor Vehicle Parts Merchant Whls	40,000+	Automobile Parts & Supplies-Wholesale
Massapequa Park	11762	3000	Over $1 Billion	Single Loc	42394012	Jewelry Merchant Whls	40,000+	Jewelers-Wholesale
Glen Cove	11542	2200	$100 to $500 Million	Single Loc	42511001	Business To Business Electronic Markets	40,000+	Electronic-Mfrs Representatives (Whls)
New Hyde Park	11042	1500	Over $1 Billion	Headquarter	42341008	Photographic Equip & Supplies Merchant Whls	40,000+	Photographic Equip & Supplies-Wholesale
New Hyde Park	11042	1000	$100 to $500 Million	Subsidiary	42492006	Book & Periodical Merchant Whls	40,000+	Newspaper Distributors (Whls)
Uniondale	11556	1000	$100 to $500 Million	Subsidiary	42421002	Druggists Goods Merchant Whls	40,000+	Cosmetics-Wholesale
Syosset	11791	800	$100 to $500 Million	Single Loc	33312009	Construction Machinery Manufacturing	40,000+	Contractors-Equipment-Manufacturers
Farmingdale	11735	700	$20 to $50 Million	Single Loc	42512026	Wholesale Trade Agents & Brokers	40,000+	Musical Instruments-Supls & Acces-Whls
Hicksville	11801	603	$50 to $100 Million	Single Loc	42472014	Other Petroleum Merchant Whls	40,000+	Oils-Fuel (Whls)
Garden City	11530	600	$50 to $100 Million	Single Loc	56199015	All Other Support Svcs	40,000+	Literary Agents
Greenvale	11548	600	$100 to $500 Million	Single Loc	42373018	Hvac Equip Merchant Whls	40,000+	Heating Equipment & Systems (Whls)
Bethpage	11714	450	$20 to $50 Million	Single Loc	31499924	All Other Misc Textile Prod Mills	40,000+	Textile Goods NEC (Mfrs)
Plainview	11803	400	$500 Million to $1 Bil	Subsidiary	42385084	Service Establishment Equip Merchant Whls	40,000+	Washing Machs Dryers Ironers-Coin (Whls)
Westbury	11590	400	$50 to $100 Million	Branch	45211204	Discount Department Stores	40,000+	Wholesale Clubs
Mineola	11501	400	$50 to $100 Million	Single Loc	33221230	Hand & Edge Tool Manufacturing	40,000+	Tools-Manufacturers
Greenvale	11548	400	$2,571,645,000	Headquarter	33331914	Other Commercial & Svc Machinery Manufacturing	40,000+	Filters (Manufacturers)
Lawrence	11559	300	$20 to $50 Million	Branch	45211204	Discount Department Stores	40,000+	Wholesale Clubs
Jericho	11753	300	$100 to $500 Million	Single Loc	42345007	Medical Equip Merchant Whls	40,000+	Dental Equipment & Supplies-Wholesale
Hicksville	11801	300	$50 to $100 Million	Branch	44211012	Furniture Stores	40,000+	Furniture-Dealers-Retail
Hicksville	11801	300	$100 to $500 Million	Single Loc	42349019	Other Professional Equip Merchant Whls	40,000+	Scientific Apparatus & Instruments-Whls
Port Washington	11050	300	Over $1 Billion	Headquarter	44613003	Optical Goods Stores	40,000+	Optical Goods-Retail
Farmingdale	11735	300	$100 to $500 Million	Single Loc	42512071	Wholesale Trade Agents & Brokers	40,000+	Magazines-Distributors (Whls)
West Hempstead	11552	300	$20 to $50 Million	Single Loc	45211101	Department Stores Except Discount	40,000+	Department Stores
New Hyde Park	11040	300	$100 to $500 Million	Branch	42383069	Industrial Machinery Merchant Whls	40,000+	Pneumatic Equipment Components (Whls)
Port Washington	11050	300	$2,779,875,000	Headquarter	44312001	Computer & Software Stores	40,000+	Computer & Equipment Dealers
Westbury	11590	270	$50 to $100 Million	Single Loc	33911203	Surgical & Medical Instrument Manufacturing	40,000+	Physicians & Surgeons Equip & Supls-Mfrs
New Hyde Park	11042	250	$10 to $20 Million	Headquarter	31211103	Soft Drink Manufacturing	40,000+	Beverages-Manufacturers
Port Washington	11050	250	$10 to $20 Million	Single Loc	81211202	Beauty Salons	7,500	Beauty Salons
Farmingdale	11735	250	$100 to $500 Million	Single Loc	42399019	All Other Durable Goods Merchant Whls	40,000+	Importers (Whls)
Westbury	11590	250		Subsidiary	33331925	Other Commercial & Svc Machinery Manufacturing	40,000+	Metalizing Equipment (Manufacturers)
Plainview	11803	250	$402,475,000	Headquarter	42361019	Electric Equip & Wiring Merchant Whls	40,000+	Electric Equipment-Used (Whls)
Bethpage	11714	200	$500 Million to $1 Bil	Headquarter	44511003	Supermarkets & Other Grocery Stores	40,000+	Grocers-Retail
Garden City	11530	120	$493,725,000	Headquarter	33221402	Kitchen Utensil Pot & Pan Manufacturing	40,000+	Housewares-Manufacturers
Hicksville	11801	116	$100 to $500 Million	Headquarter	45114008	Musical Instrument & Supplies Stores	7,500	Musical Instruments-Dealers
New Hyde Park	11040	100	$20 to $50 Million	Subsidiary	54161303	Marketing Consulting Svcs	40,000+	Marketing Programs & Services
Freeport	11520	100		Subsidiary	92612005	Transportation Program Administration	40,000+	Transportation Authorities
New Hyde Park	11040	100	Over $1 Billion	Subsidiary	52211002	Commercial Banking	40,000+	Banks
Syosset	11791	54	$40,000,000	Headquarter	56162104	Security Systems Svcs Except Locksmiths	40,000+	Security Systems
Oceanside	11572	50	$35,645,000	Headquarter	42345017	Medical Equip Merchant Whls	40,000+	Medical Alarms (Whls)
Oceanside	11572	50		Subsidiary	42345017	Medical Equip Merchant Whls	40,000+	Medical Alarms (Whls)
Syosset	11791	48	$27,820,000	Headquarter	51791916	All Other Telecommunications	25,000	Telecommunications Services
Woodbury	11797	25		Headquarter	56162104	Security Systems Svcs Except Locksmiths	25,000	Security Systems
Jericho	11753	21	$1,616,612,000	Headquarter	42369015	Other Electronic Parts Merchant Whls	7,500	Electronic Equipment & Supplies-Whls
Plainview	11803	6	$500 Million to $1 Bil	Headquarter	81231001	Coin-Operated Laundries & Drycleaners	7,500	Laundries-Self Service

Source: D&B Business Data, 2008

Locations of Suffolk Wholesalers With 500 or More Employees (NAIC 42), Ranked by Number of Employees, With Annual Sales and SF

CITY	ZIPCOI	EMP	SALES	BUS STATUS	NAICS	NAICS DESCRIPTION	OTAGE	PRIMARY SIC DESCRIPTION
Freeport	11520	5000	Over $1 Billion	Single Loc	42312015	New Motor Vehicle Parts Merchant Whls	40,000+	Automobile Parts & Supplies-Wholesale
Massapequa Park	11762	3000	Over $1 Billion	Single Loc	42384012	Jewelry Merchant Whls	40,000+	Jewelers-Wholesale
Glen Cove	11542	2200	$100 to $500 Million	Single Loc	42511001	Business To Business Electronic Markets	40,000+	Electronic-Mfrs Representatives (Whls)
New Hyde Park	11042	1500	Over $1 Billion	Headquarter	42341008	Photographic Equip & Supplies Merchant Whls	40,000+	Photographic Equip & Supplies-Wholesale
New Hyde Park	11042	1000	$100 to $500 Million	Subsidiary	42492006	Book & Periodical Merchant Whls	40,000+	Newspaper Distributors (Whls)
Uniondale	11556	1000	$100 to $500 Million	Subsidiary	42421002	Druggists Goods Merchant Whls	40,000+	Cosmetics-Wholesale
Syosset	11791	800	$100 to $500 Million	Single Loc	33312009	Construction Machinery Manufacturing	40,000+	Contractors-Equipment-Manufacturers
Farmingdale	11735	700	$20 to $50 Million	Single Loc	42512026	Wholesale Trade Agents & Brokers	40,000+	Musical Instruments-Supls & Acces-Whls
Hicksville	11801	603	$50 to $100 Million	Single Loc	42472014	Other Petroleum Merchant Whls	40,000+	Oils-Fuel (Whls)
Garden City	11530	600	$50 to $100 Million	Single Loc	56199015	All Other Support Svcs	40,000+	Literary Agents
Greenvale	11548	600	$100 to $500 Million	Single Loc	42373018	Hvac Equip Merchant Whls	40,000+	Heating Equipment & Systems (Whls)
Bethpage	11714	450	$20 to $50 Million	Single Loc	31499924	All Other Misc Textile Prod Mills	40,000+	Textile Goods NEC (Mfrs)
Plainview	11803	400	$500 Million to $1 Bil	Subsidiary	42385084	Service Establishment Equip Merchant Whls	40,000+	Washing Machs Dryers Ironers-Coin (Whls)
Westbury	11590	400	$50 to $100 Million	Branch	45211204	Discount Department Stores	40,000+	Wholesale Clubs
Mineola	11501	400	$50 to $100 Million	Single Loc	33221230	Hand & Edge Tool Manufacturing	40,000+	Tools-Manufacturers
Greenvale	11548	400	$2,571,645,000	Headquarter	33331914	Other Commercial & Svc Machinery Manufacturing	40,000+	Filters (Manufacturers)
Lawrence	11559	300	$20 to $50 Million	Branch	45211204	Discount Department Stores	40,000+	Wholesale Clubs
Jericho	11753	300	$100 to $500 Million	Single Loc	42345007	Medical Equip Merchant Whls	40,000+	Dental Equipment & Supplies-Wholesale
Hicksville	11801	300	$50 to $100 Million	Branch	44211012	Furniture Stores	40,000+	Furniture-Dealers-Retail
Hicksville	11801	300	$100 to $500 Million	Single Loc	42349019	Other Professional Equip Merchant Whls	40,000+	Scientific Apparatus & Instruments-Whls
Port Washington	11050	300	Over $1 Billion	Headquarter	44613003	Optical Goods Stores	40,000+	Optical Goods-Retail
Farmingdale	11735	300	$100 to $500 Million	Single Loc	42512071	Wholesale Trade Agents & Brokers	40,000+	Magazines-Distributors (Whls)
West Hempstead	11552	300	$20 to $50 Million	Single Loc	45211101	Department Stores Except Discount	40,000+	Department Stores
New Hyde Park	11040	300	$100 to $500 Million	Branch	42383069	Industrial Machinery Merchant Whls	40,000+	Pneumatic Equipment Components (Whls)
Port Washington	11050	300	$2,779,875,000	Headquarter	44312001	Computer & Software Stores	40,000+	Computer & Equipment Dealers
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Port Washington	11050	250	$10 to $20 Million	Single Loc	81211202	Beauty Salons	7,500	Beauty Salons
Farmingdale	11735	250	$100 to $500 Million	Single Loc	42399019	All Other Durable Goods Merchant Whls	40,000+	Importers (Whls)
Westbury	11590	250		Subsidiary	33331925	Other Commercial & Svc Machinery Manufacturing	40,000+	Metalizing Equipment (Manufacturers)
Plainview	11803	250	$402,475,000	Headquarter	42361019	Electric Equip & Wiring Merchant Whls	40,000+	Electric Equipment-Used (Whls)
Bethpage	11714	200	$500 Million to $1 Bil	Headquarter	44511003	Supermarkets & Other Grocery Stores	40,000+	Grocers-Retail
Garden City	11530	120	$493,725,000	Headquarter	33221402	Kitchen Utensil Pot & Pan Manufacturing	40,000+	Housewares-Manufacturers
Hicksville	11801	116	$100 to $500 Million	Headquarter	45114008	Musical Instrument & Supplies Stores	7,500	Musical Instruments-Dealers
New Hyde Park	11040	100	$20 to $50 Million	Subsidiary	54161303	Marketing Consulting Svcs	40,000+	Marketing Programs & Services
Freeport	11520	100		Subsidiary	92612005	Transportation Program Administration	40,000+	Transportation Authorities
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Oceanside	11572	50	$35,645,000	Headquarter	42345017	Medical Equip Merchant Whls	40,000+	Medical Alarms (Whls)
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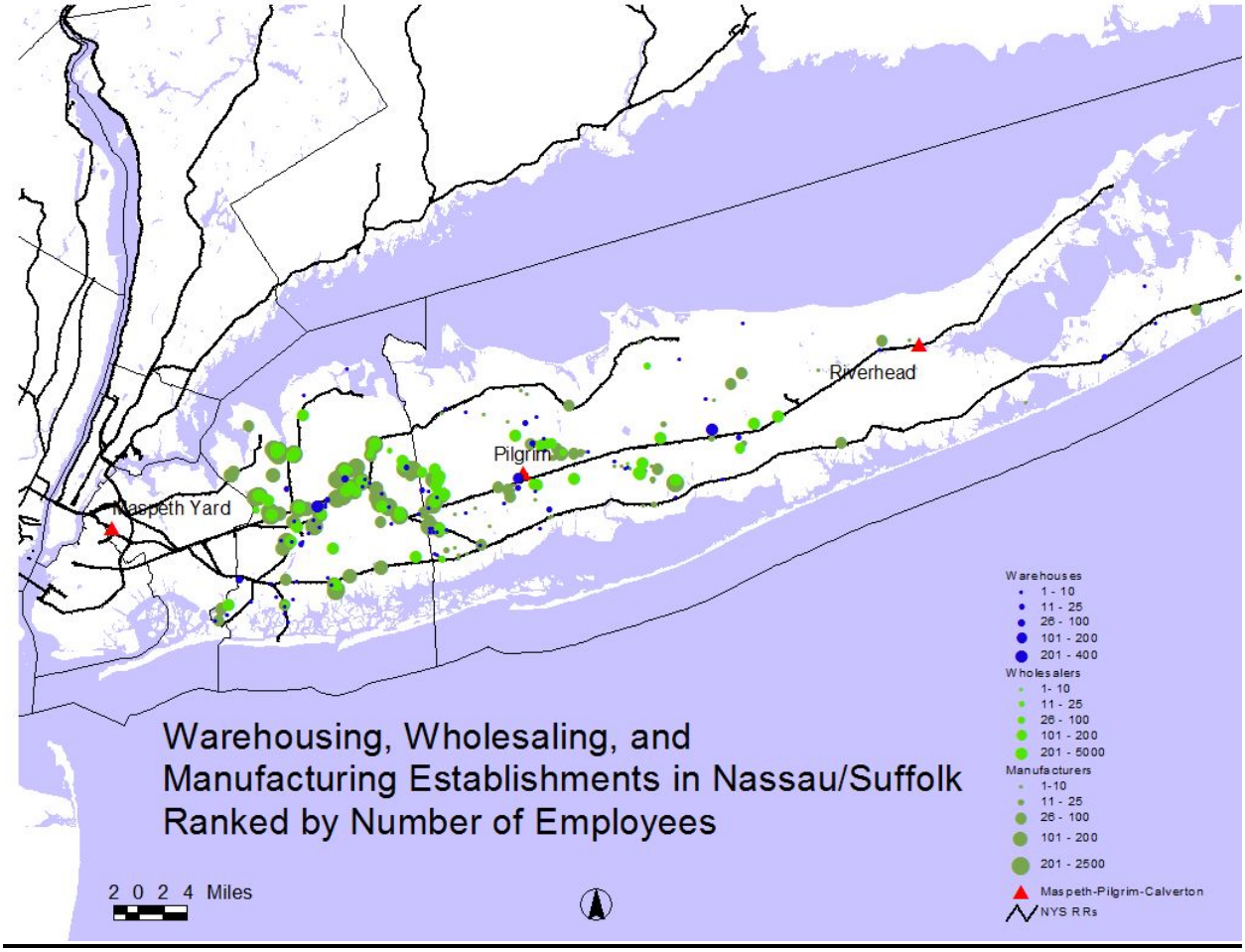
Syosset	11791	48	$27,820,000	Headquarter	51791916	All Other Telecommunications	25,000	Telecommunications Services
Woodbury	11797	25		Headquarter	56162104	Security Systems Svcs Except Locksmiths	25,000	Security Systems
Jericho	11753	21	$1,616,612,000	Headquarter	42369015	Other Electronic Parts Merchant Whls	7,500	Electronic Equipment & Supplies-Whls
Plainview	11803	6	$500 Million to $1 Bil	Headquarter	81231001	Coin-Operated Laundries & Drycleaners	7,500	Laundries-Self Service

Source: D&B Business Data, 2008

E-Rail, NS, **322 3rd St**
Elizabeth, NJ 07206

BGB Transport Inc
JB Hunt Transport Services
Rail-Bridge Terminals Corporation

Appendix [11]: Locations of Sources of Rail-Freight Demand

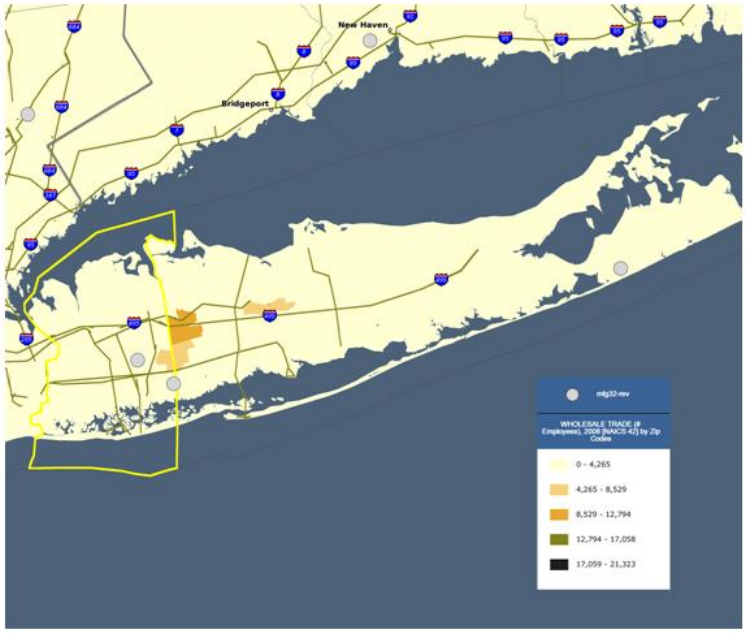


Source: Environmental Policy Services, LLC, based on D&B Business Data, 2008

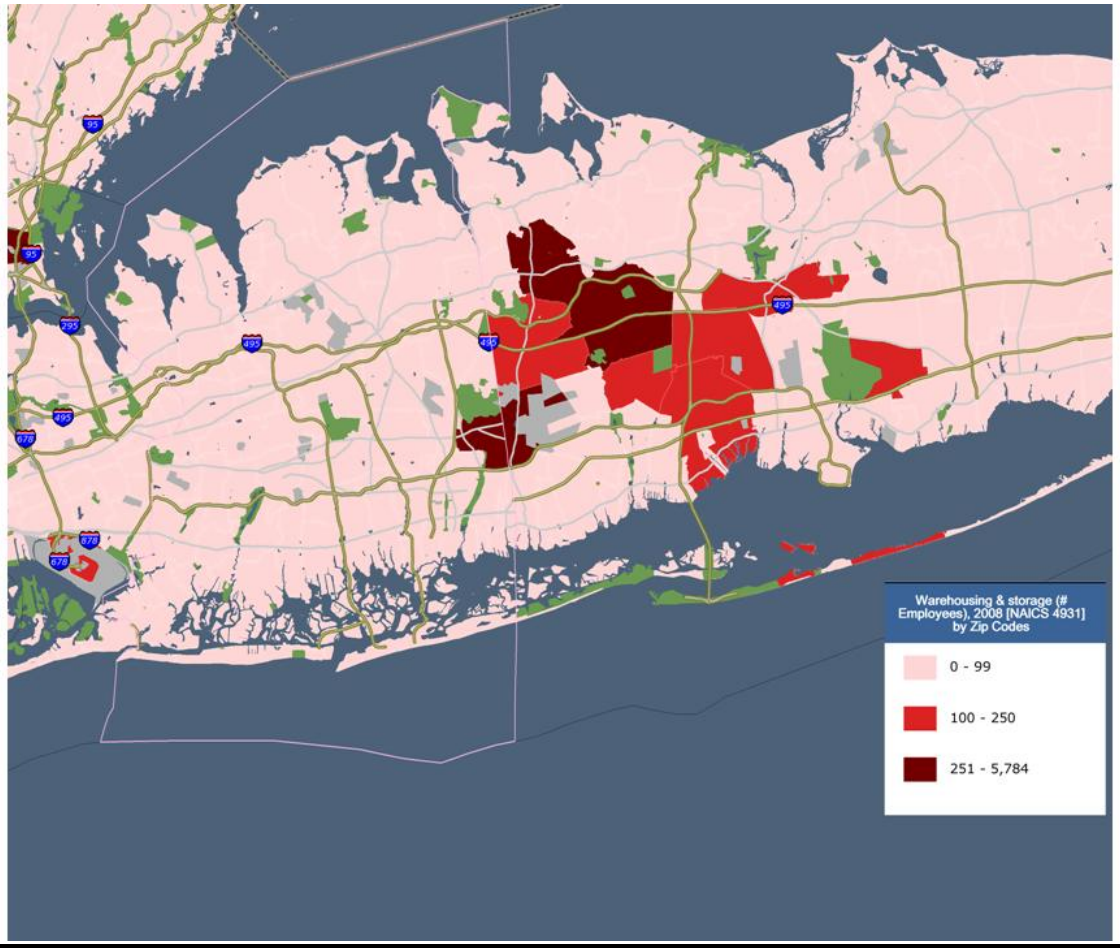
Manufacturing (NAIC 31, 2008)

Source: SimplyMap (D&B Business Data, 2008)

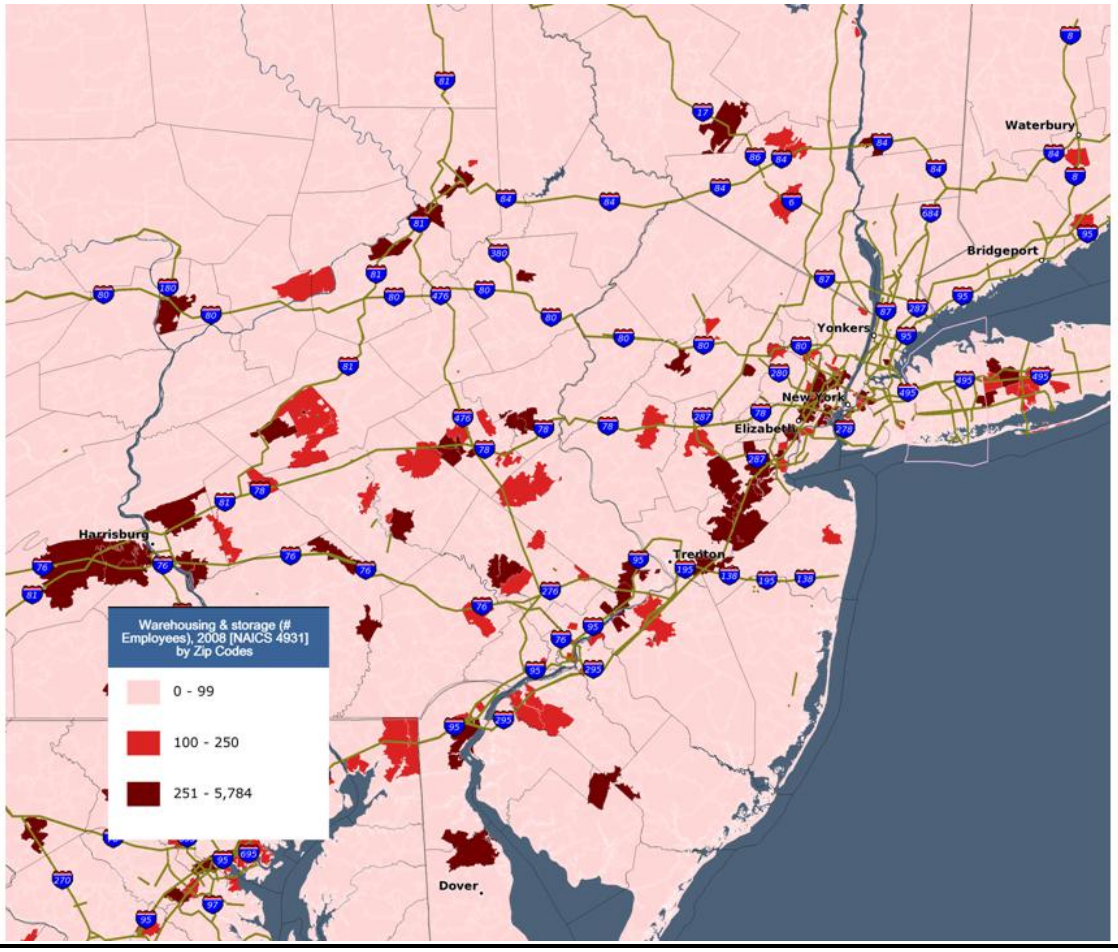
Manufacturing (NAIC 32) Over Wholesale Employees



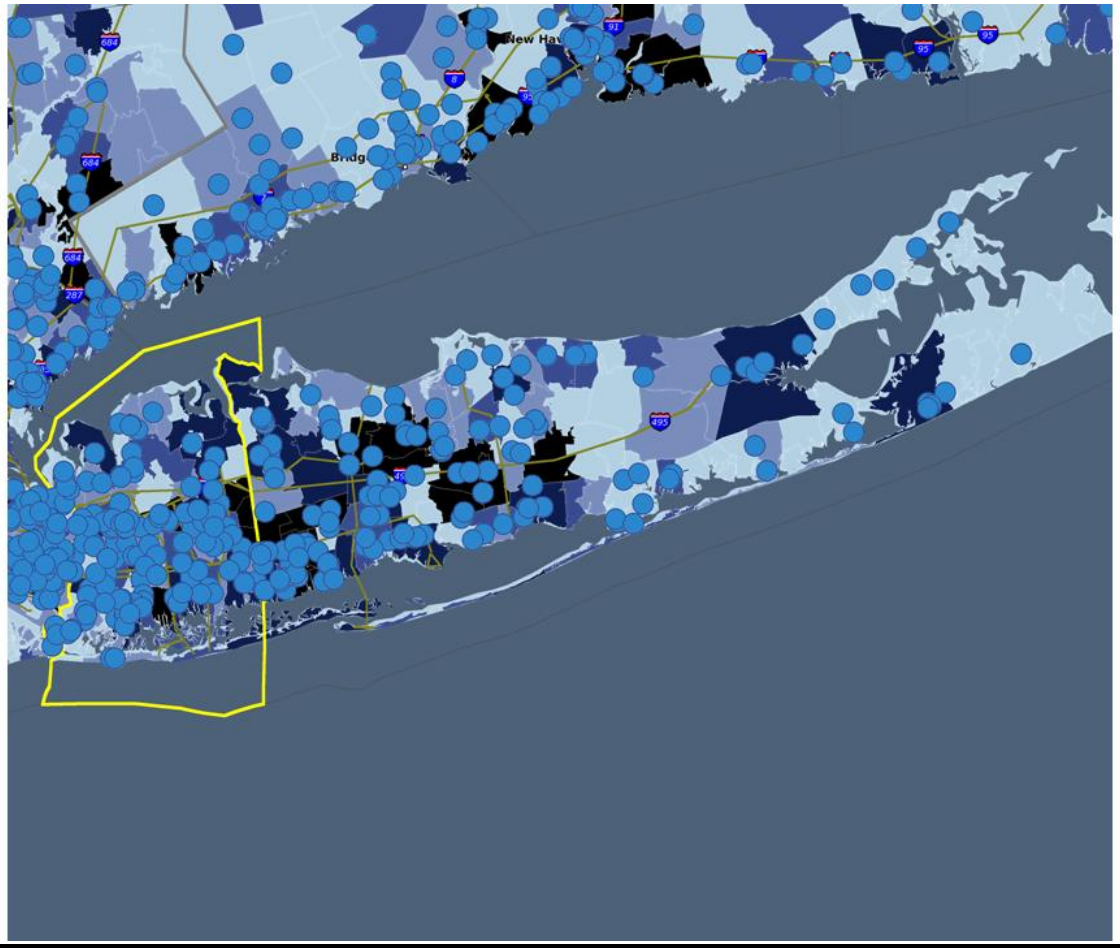
Source: SimplyMap (D&B Business Data, 2008)



Source: SimplyMap (D&B Business Data, 2008)

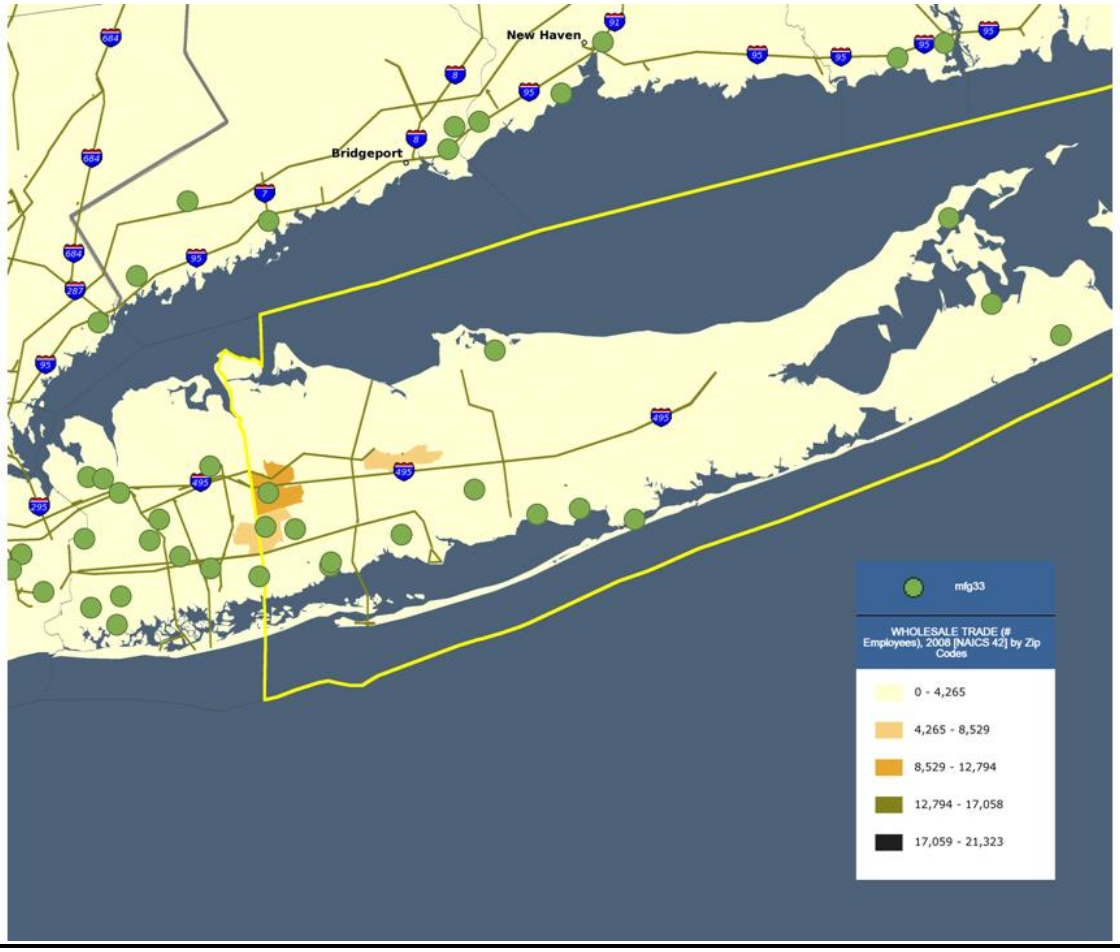


Source: SimplyMap (D&B Business Data, 2008)

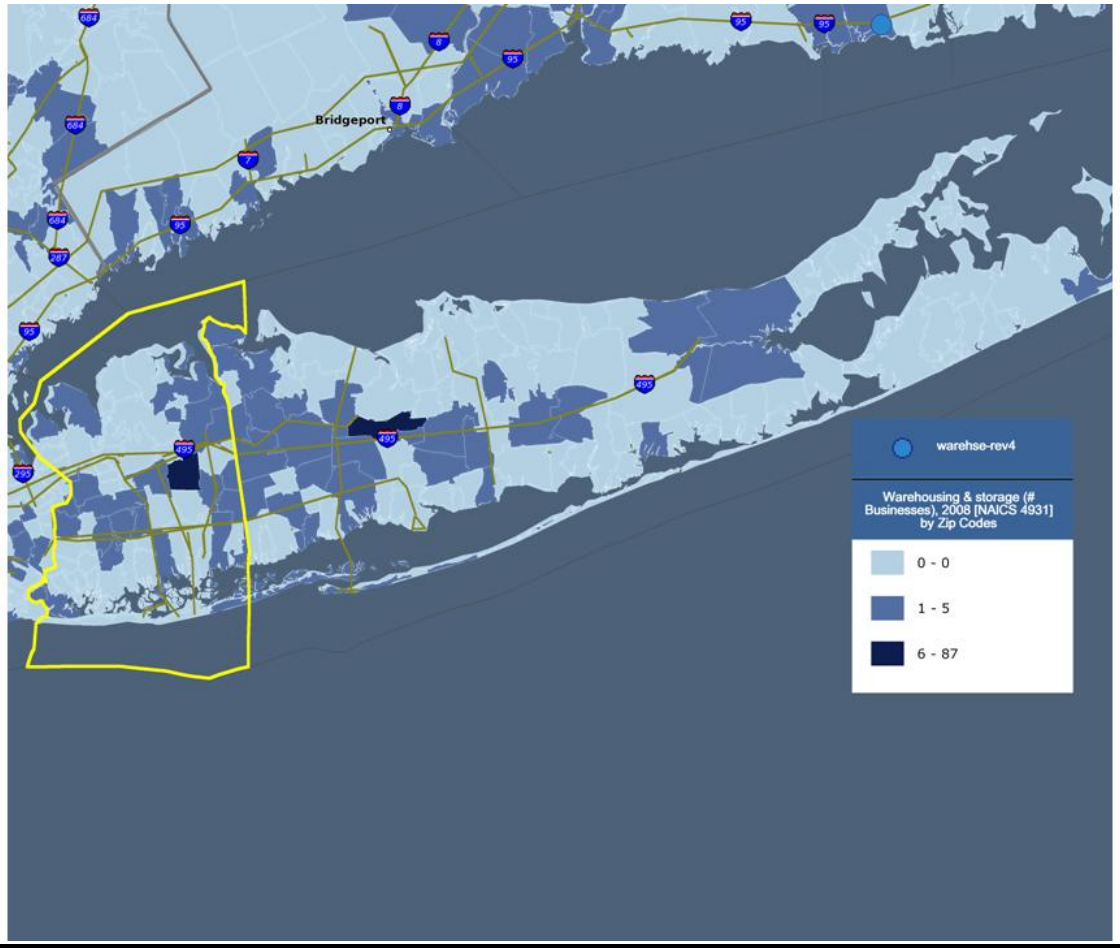


Manufacturing (NAIC 31), by Zipcode

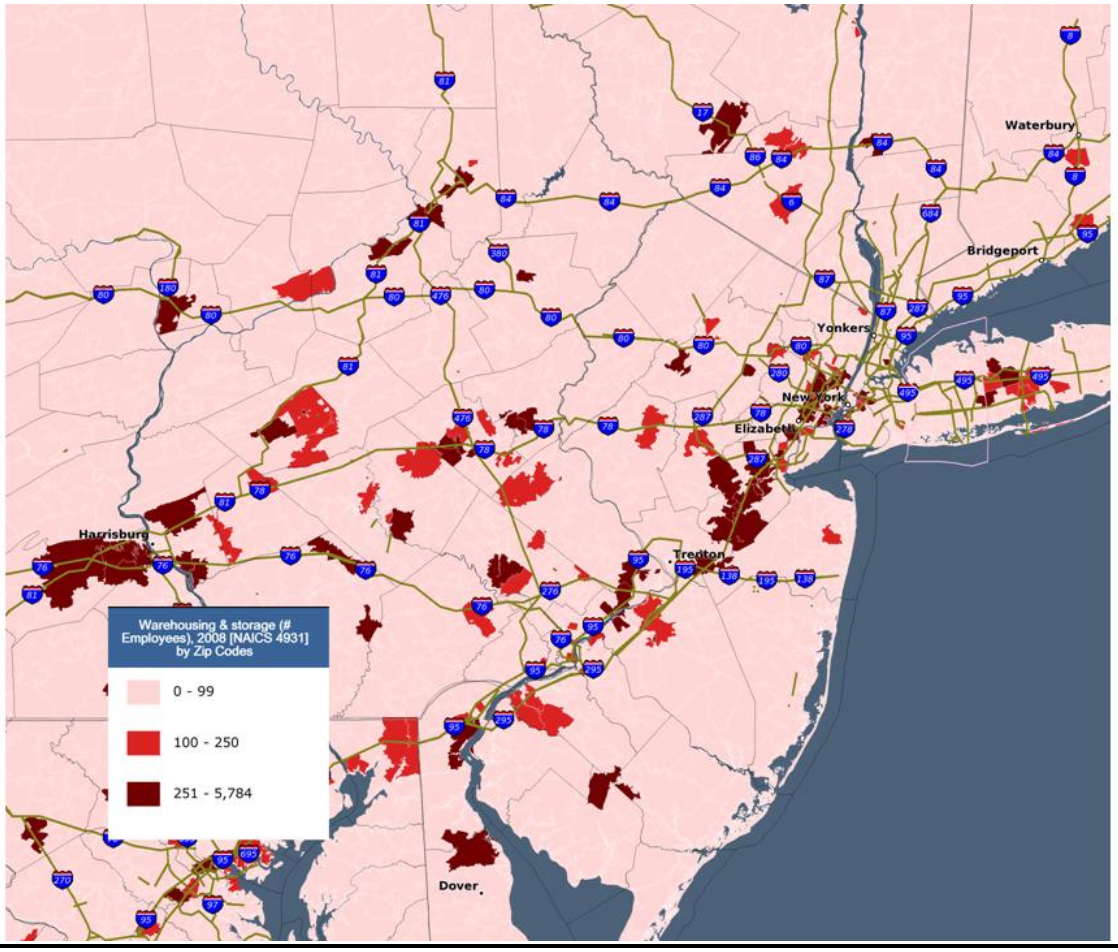
Source: SimplyMap (D&B Business Data, 2008)



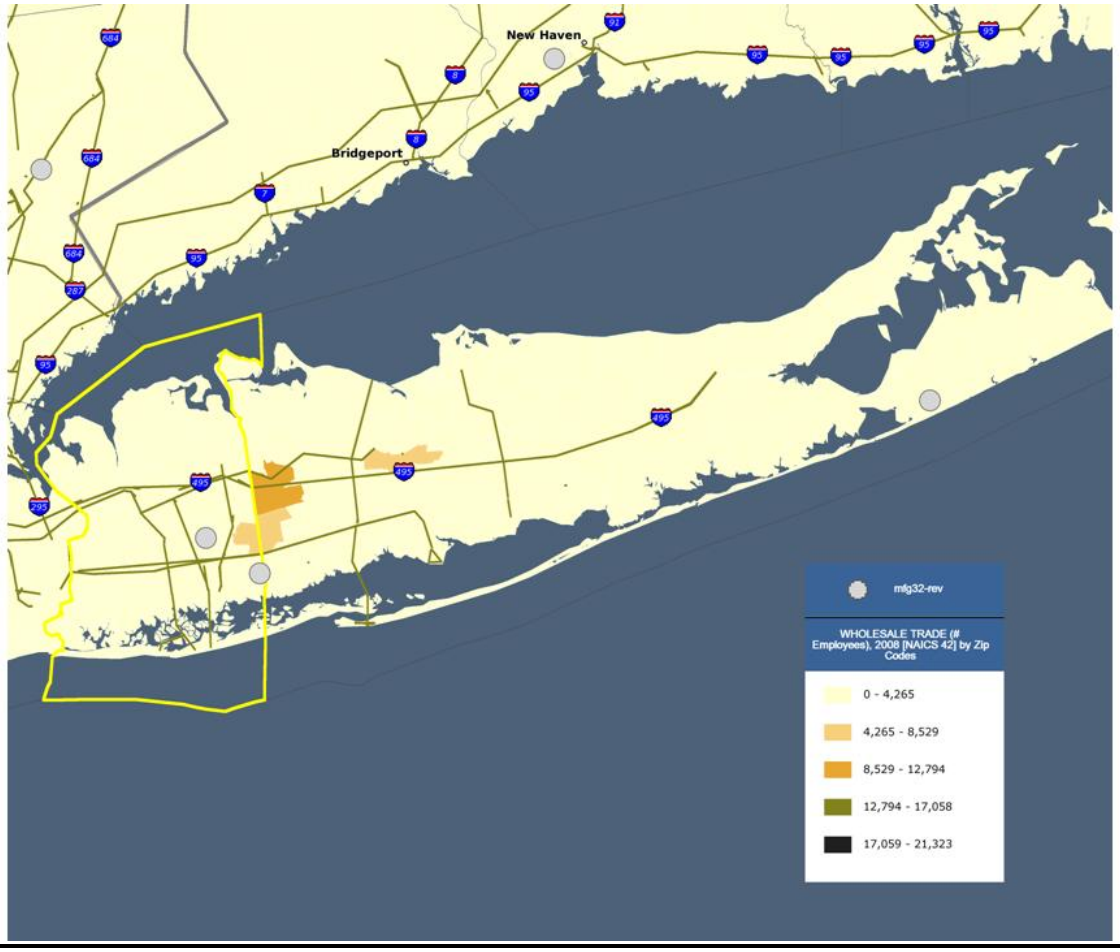
Source: SimplyMap (D&B Business Data, 2008)



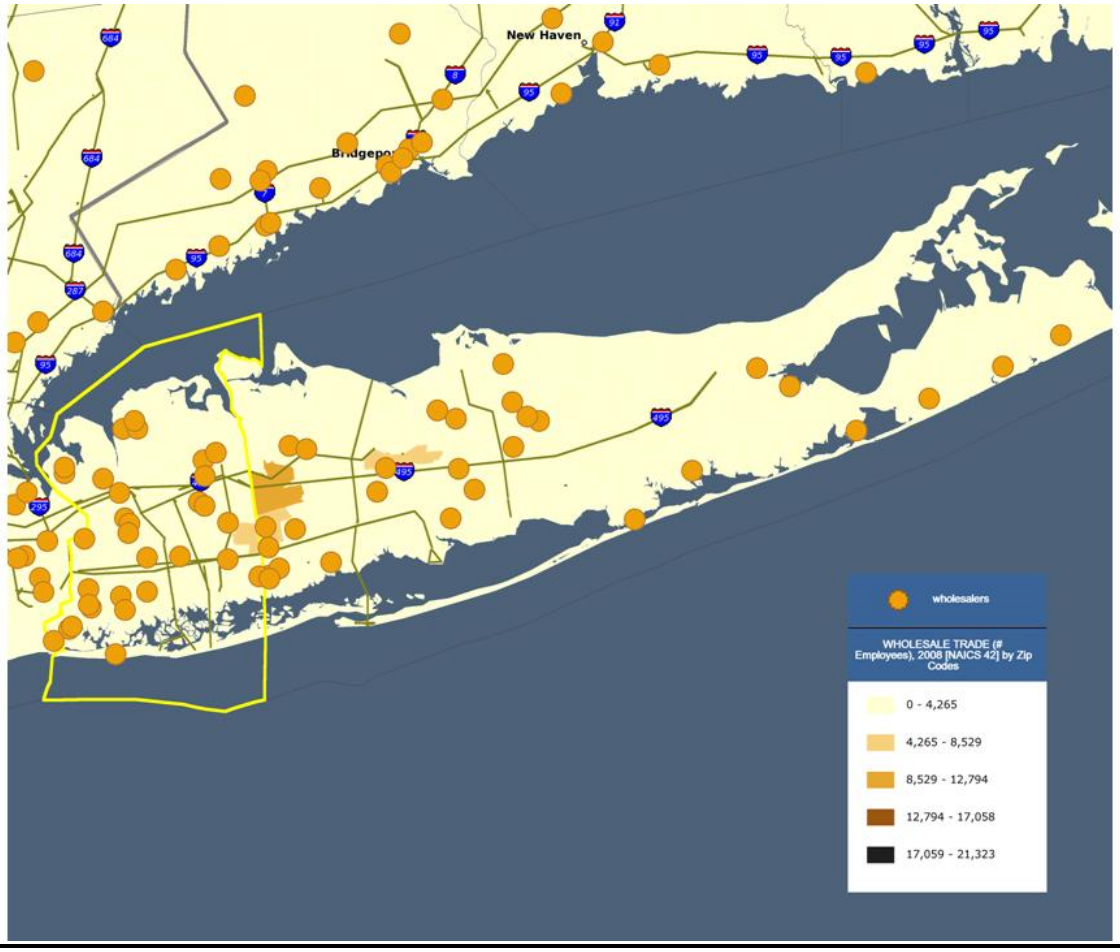
Source: SimplyMap (D&B Business Data, 2008)



Source: SimplyMap (D&B Business Data, 2008)



Source: SimplyMap (D&B Business Data, 2008)

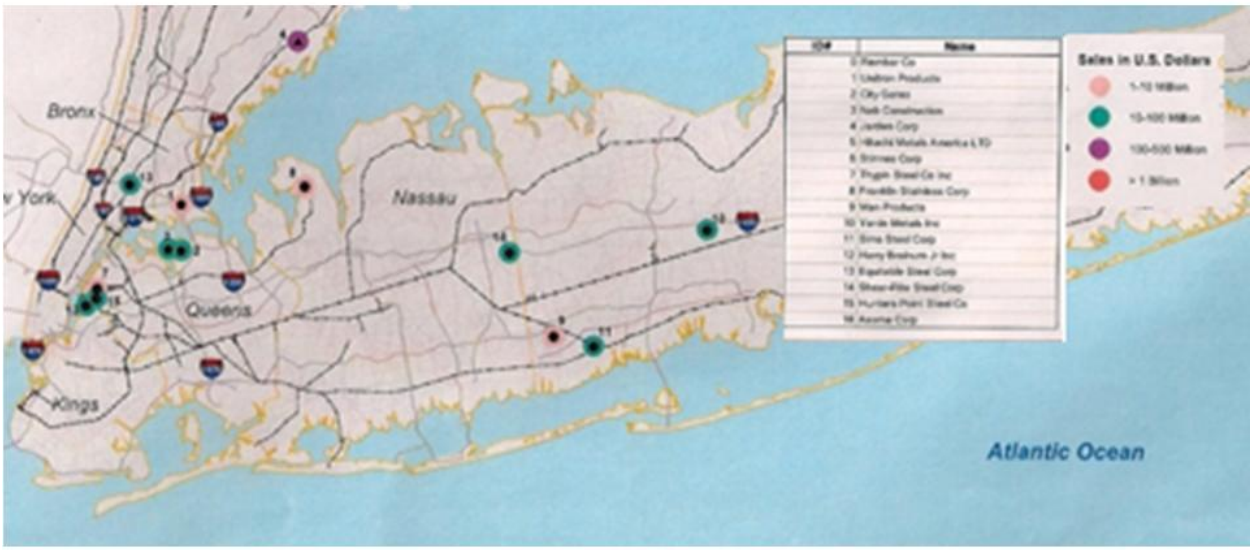


Source: SimplyMap (D&B Business Data, 2008)

Receivers of Ready-Mix Concrete, Sand and Gravel on Geographic Long Island, by Annual Sales

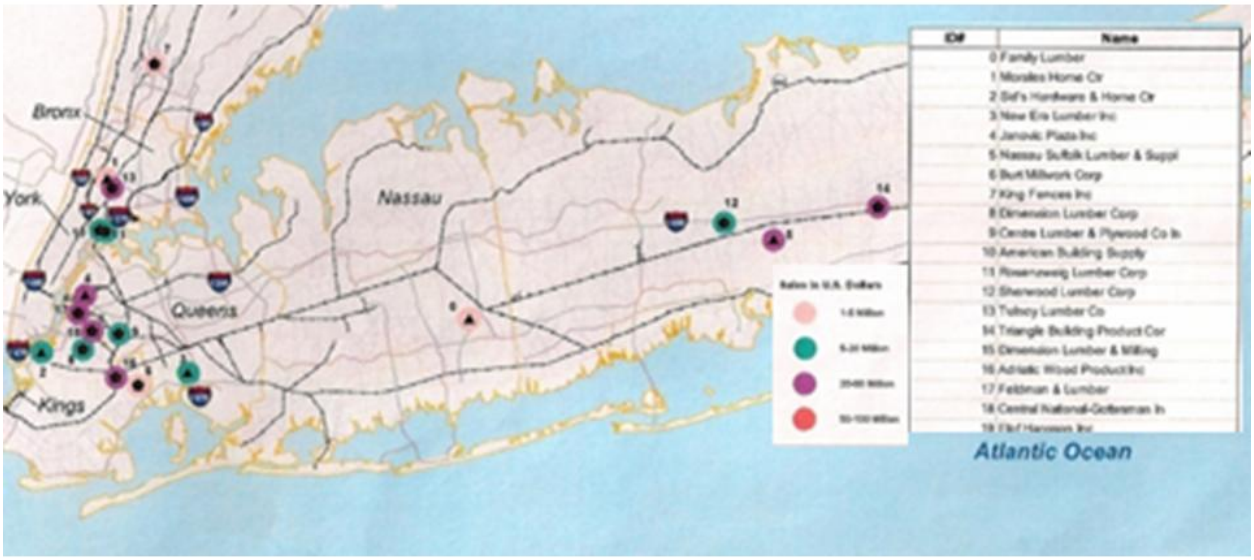
Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Fabricated Structural Metal Manufacturers, Metal Distributors, Steel Distributors & Warehouses



Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Home Centers, Lumber Wholesalers



Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Paper Product Wholesalers

Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Plastic Resin & Plastic Product Manufacturers

Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Scrap Metal & Paper Wholesalers

Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Recycling Centers

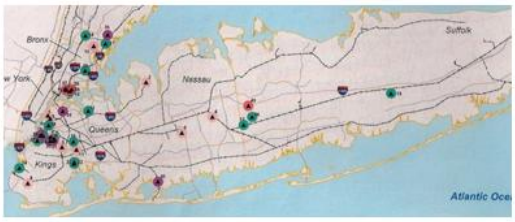
Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Grocery Wholesalers

Produce Wholesalers

Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Food Product Wholesalers



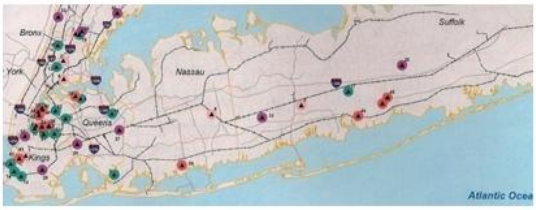
Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Building Materials

Beverage Wholesalers

Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Wholesale Bakers



Source: Prepared for the Port Authority by DMJM Harris, nd (Draft)

Appendix [6.13]: Typical Rail-Truck Container Facilities Combined With Logistics/Distribution Facilities Elsewhere in the US

EXISTING CUSTOMERS
1. BNSF Logistics Park Chicago - 770 acres
2. Maersk Sealand - 17 acres
3. California Cartage, Inc. - 213,500 SF
4. Georgia Pacific - 1,001,200 SF
5. DSC Logistics - 1,022,000 SF
6. Potlatch, Inc. - 624,000 SF
7. Sanyo Logistics - 400,000 SF
8. Partners Warehouse - 200,000 SF
9. Wal-Mart - 1,600,000 SF
10. Wal-Mart - 1,800,000 SF
11. CenterPoint Container Yard - 32 Acres, 1,375 Positions

CenterPoint Intermodal Center, Chicago (Elwood)

http://www.centerpoint-prop.com/showAttachment.aspx?id=178, accessed 1-30-09

CenterPoint Intermodal Center, Kansas City

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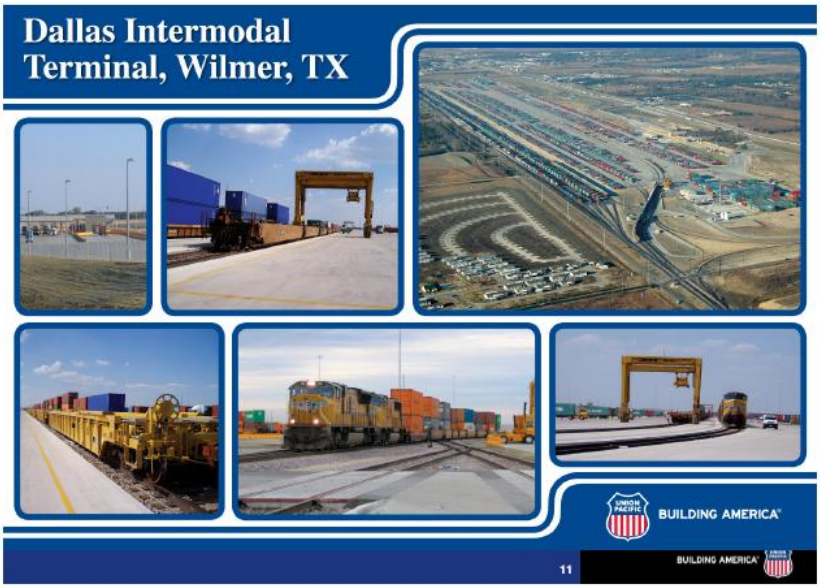
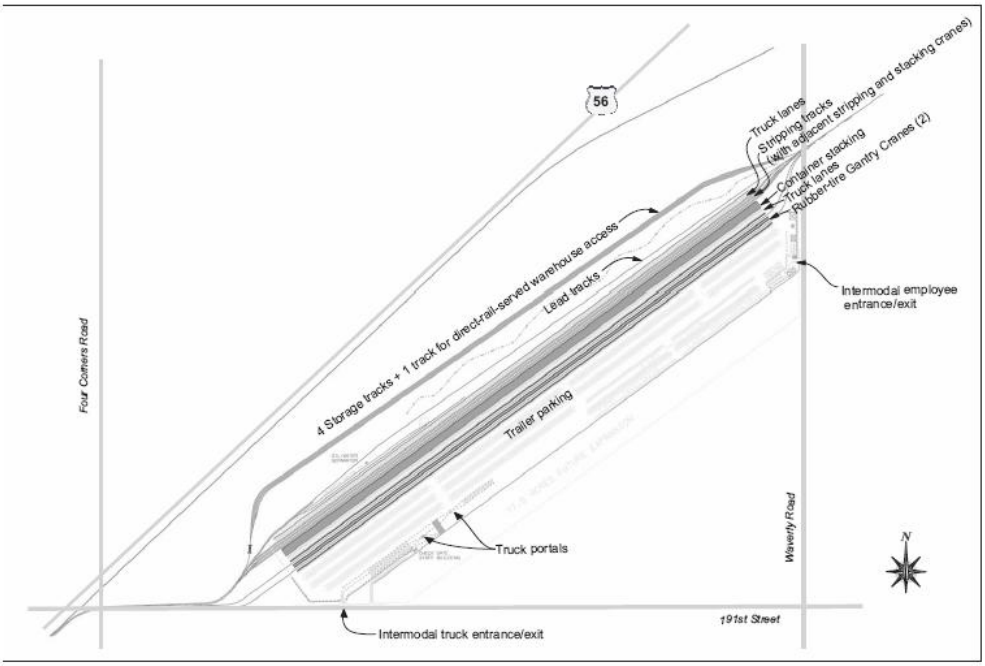
http://www.centerpoint-prop.com/showAttachment.aspx?id=187, 1-30-09



http://www.drcog.org/documents/Union%20Pacific%20Presentation.PDF



Traffic Study for Proposed Logistics Park
Johnson County, KS

Figure 5-2: Preliminary Site Plan

Typical Intermodal (Container) Site Plan

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http://kcresearch.org/cgi-bin/showfile.exe?CISOROOT=/coll&CISOPTR=2913, 3-10-09

http://www.nascocorridor.com/naipn/pages/alliancetexas_images/Infrastructure/3_HC6189.jpg, 3-10-09

Container-on-flat-car (COFC) with gantry crane at intermodal yard

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http://www.trcompton.com/pics/piener-crane-fc.jpg

Appendix [6.13.1]: Typical Rail-Truck Bulk Facilities Elsewhere in the US

http://www.safehandling.com/Locations/Pictures/PA/SitePlan.jpg, 3-10-09

Lumber Shed and Centerbeam Track (Transload Yard)

http://www.safehandling.com/Locations/Pictures/PA/LumberShedCenterBeamTrack.jpg, 3-10-09

SAFE HANDLING INC.

Ethanol Terminal - Pittsburgh, PA

Aerial view of our Ethanol Rail-to-Truck Transloading Terminal in Mt Pleasant, PA

Location: 1258 Old Route 119 South, Mount Pleasant, PA 15666
Date Opened: June 2, 2008
Capabilities:

- 40 miles southeast of Pittsburgh
- Served by CN, CSX and Norfolk Southern
- Dozens of petroleum terminals within 100 miles
- 180,000 gallon/day ethanol transloading capability
- 145 railcar capacity (4 million gallon equivalent)
- 30 transloading spots, all with spill collection
- Alcohol Resistant AFFF Foam fire suppression system
- Ethanol transloading system (RBT's PE400)
  - 400 gpm
  - Scully ground verification and overfill protection
  - Closed-loop vapor recovery system
  - Temperature-compensated meter certified-for-trade
  - Truck scale certified-for-trade

Note: we operate a similar facility in Auburn, Maine

Safe Handling Inc. *(207) 783-1020* *www.safehandling.com*

http://www.safehandling.com/Locations/Pictures/PA/LumberShedCenterBeamTrack.jpg, 3-10-09

Transloading

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http://www.safehandling.com/Locations/Pictures/PA/TransloadYard.jpg, 3-10-09

Appendix [6.14]: Data Relevant to Devising Detailed Siting Specifications

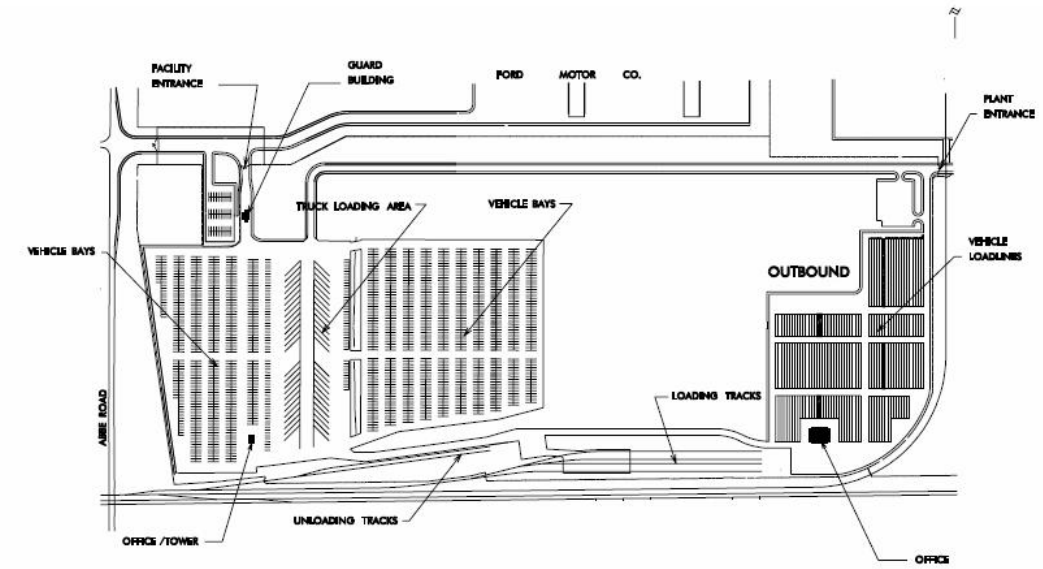
•Average load per car (NS) into geographic Long Island, 2008: 75 tons

•Average car length (NS) into LI, 2008: 53' (excluding hoppers, tankers, or centerbeam cars)

•Average number cars/train, inbound, 2007: 9.7

Source: Data reported to East of Hudson Railfreight Task Force by the operating railroads.

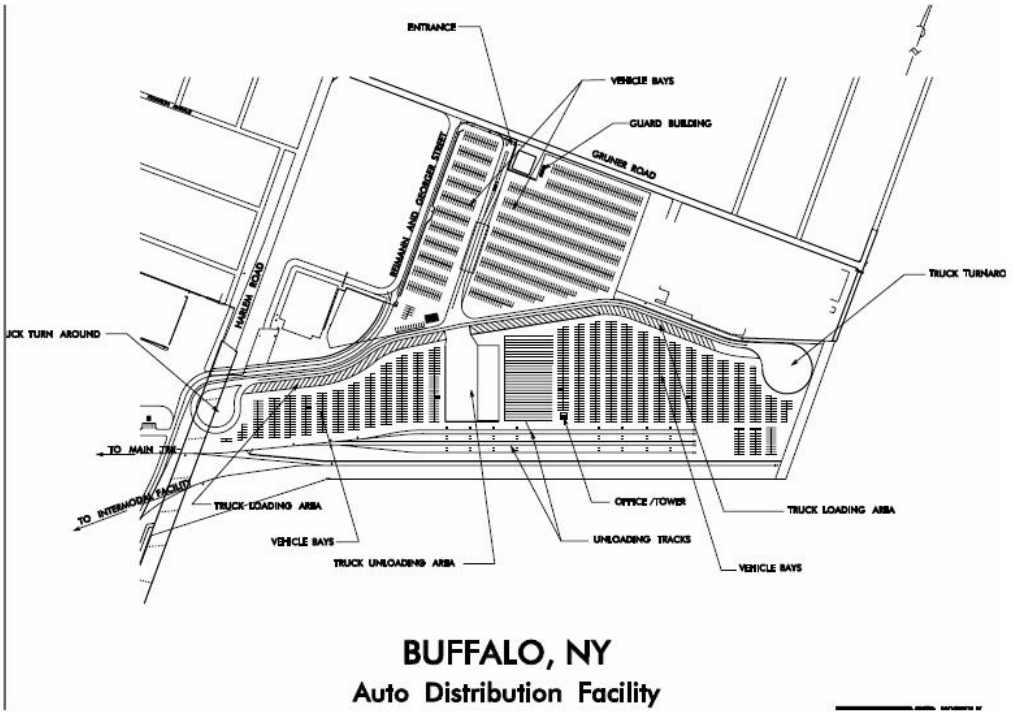
Appendix [6.15]: Lay-Outs for Typical Rail Yards for Auto Distribution



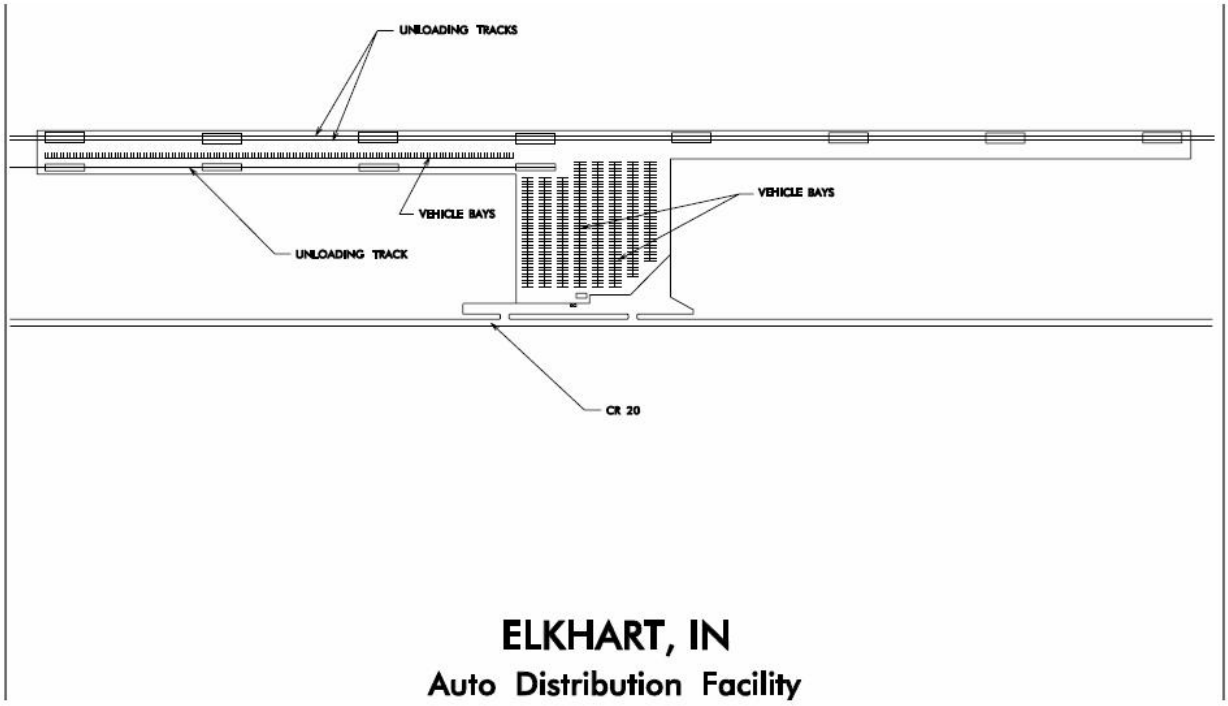
AVON LAKE, OH

Auto Distribution Facility

http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities/pdf/ns_auto_distr.pdf, 2-14-09



http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



ELKHART, IN

Auto Distribution Facility

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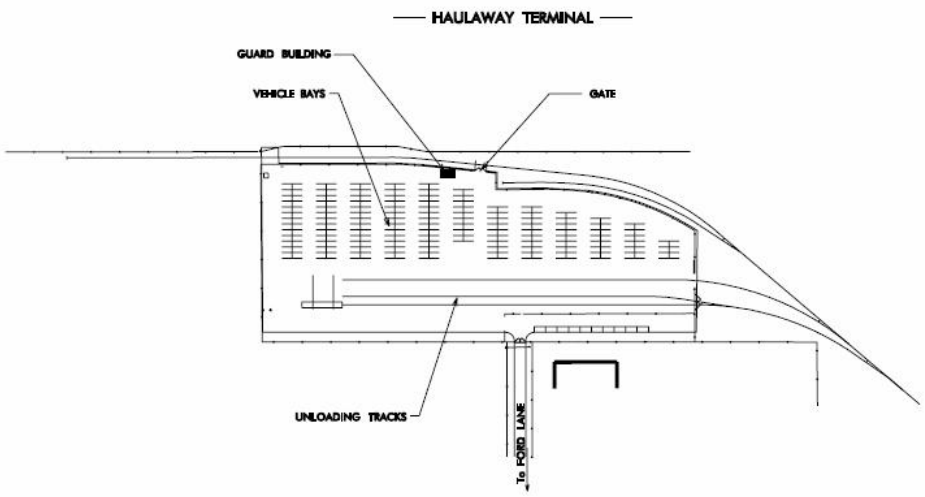
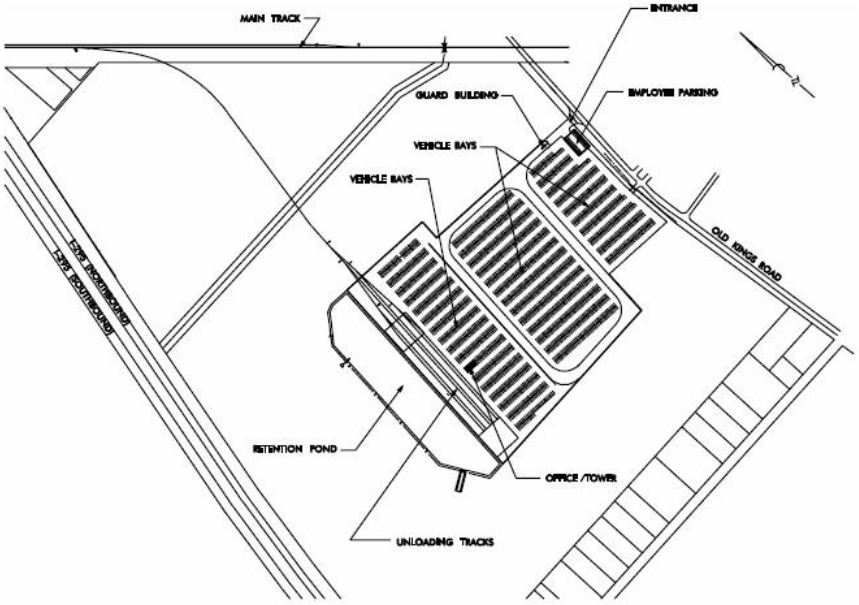
http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



HAZELWOOD, MO
Auto Distribution Facility

Acres: 3; Vehicle capacity: 299

http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



JACKSONVILLE, FL
Auto Distribution Facility

Acres: 35; Car spots: 36; Vehicle capacity: 2,294

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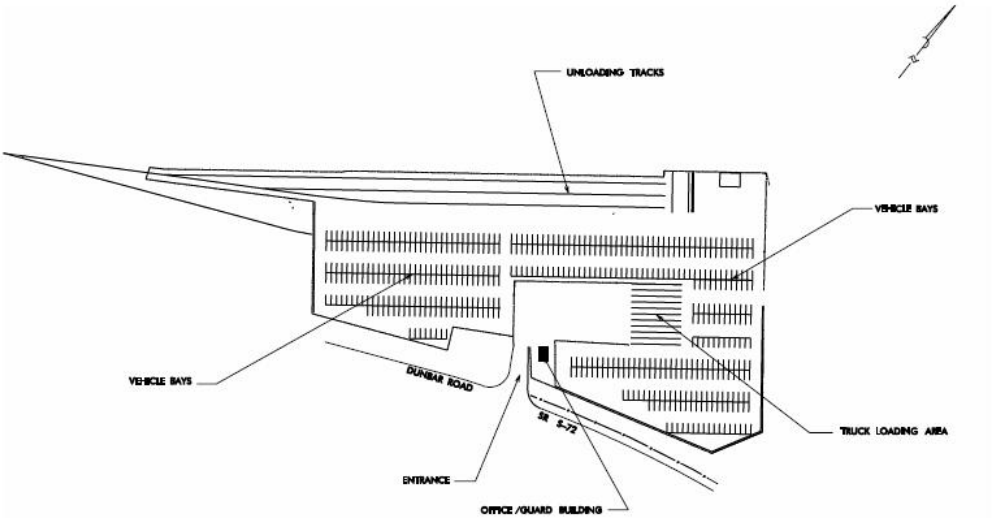
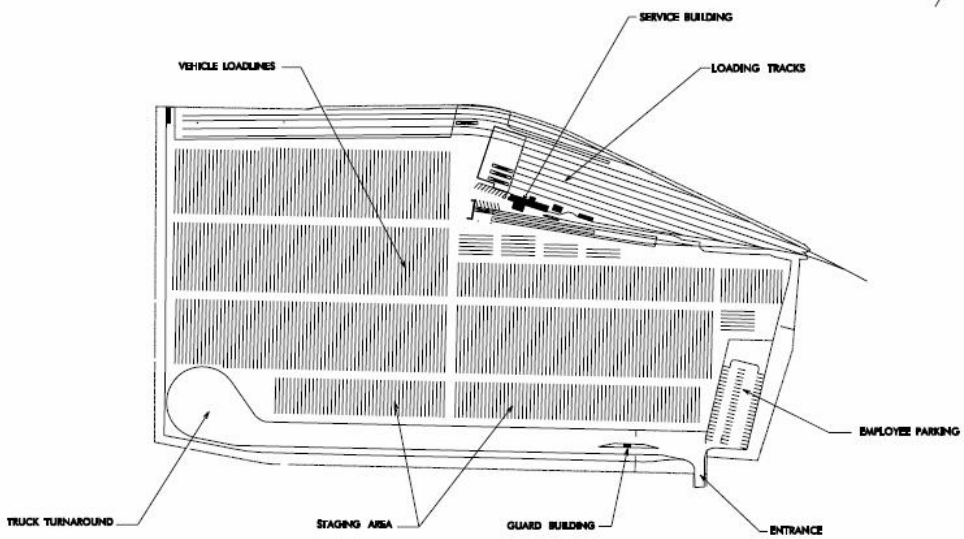
http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



KINSLER, SC
Auto Distribution Facility

Acres: 10; Car spots: 21; Vehicle capacity: 671

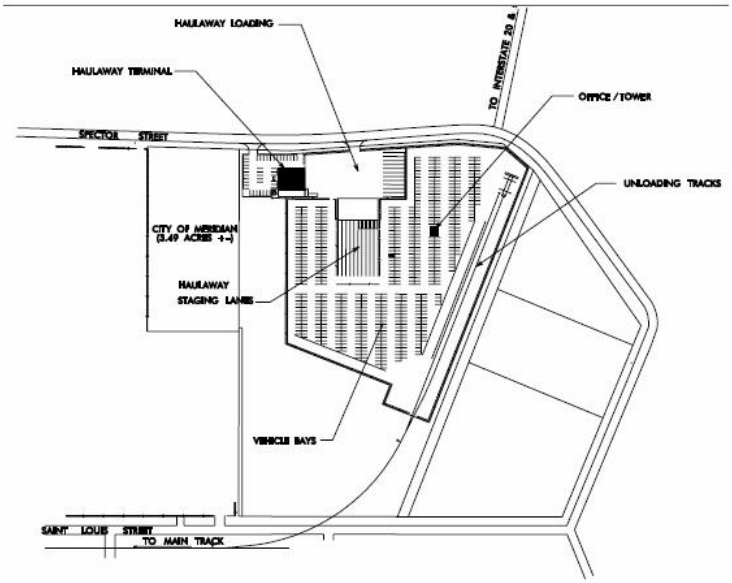
http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



MELVINDALE, MI
Auto Distribution Facility

Acres: 28; Car spots: 95; Vehicle capacity: 3,500

http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09

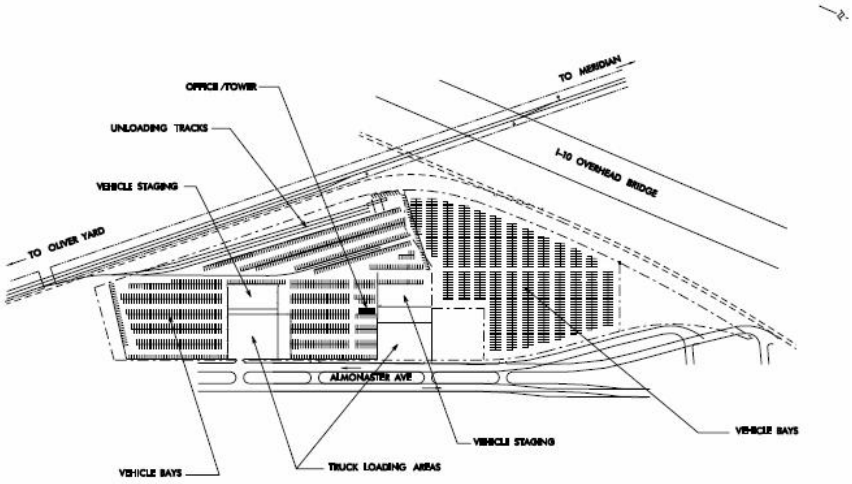


MERIDIAN, MS

Auto Distribution Facility

Acres: 10; Car spots: 12; Vehicle Capacity: 750

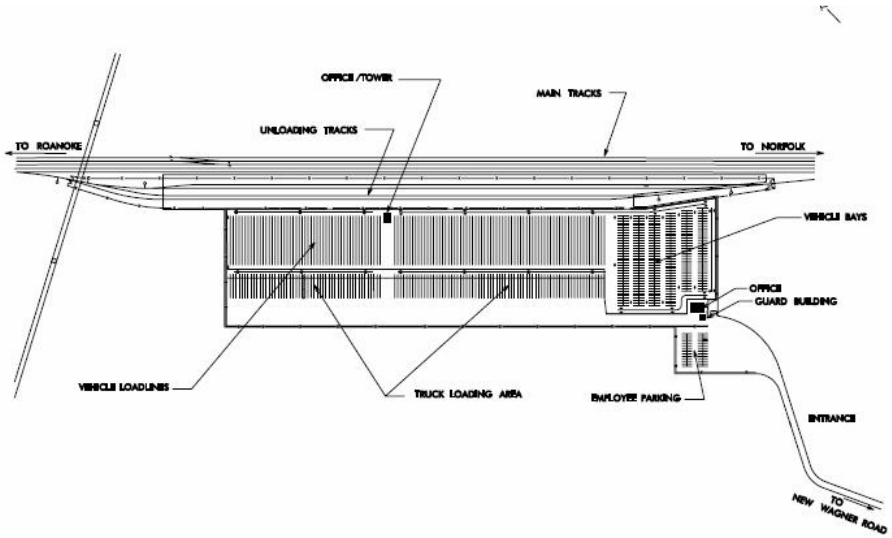
http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



NEW ORLEANS, LA
Auto Distribution Facility

Acres: 25; Car spots: 25; Vehicle capacity: 2,500

http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



PETERSBURG, VA

Auto Distribution Facility

Acres: 40; Car spots: 50; Vehicle capacity: 1,769

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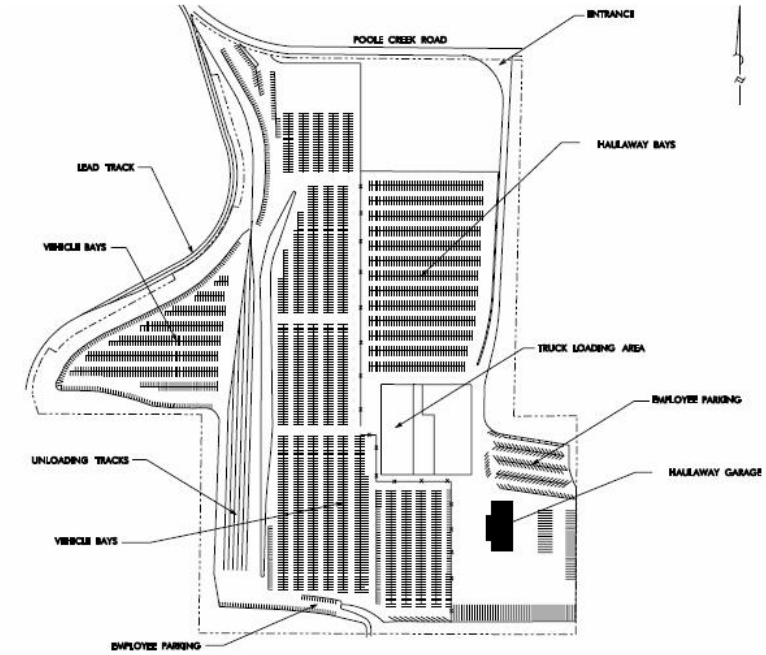
http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09



POOLE CREEK, GA

Auto Distribution Facility

Acres: 40; Car spots: 56; Vehicle capacity: 3,163

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http://www.nscorp.com/nscportal/nscorp/Customers/Automotive/Facilities, 2-14-09

Port Newark

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http://www.nytimes.com/2009/02/15/business/15toyota.html?_r=1

Appendix [6.16]: Railroad Equipment

Cars Used to Transport Agricultural Products and Food

50' Hi-Roof Boxcar
50' Insulated Boxcar
50' Standard Boxcar
60' Hi-Roof Boxcar
60' Standard Boxcar
62' Bulkhead Flatcar
Jumbo Covered Hopper
Fleet Statistics
Typical Boxcar Dimensions

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csx: http://www.csx.com/?fuseaction=customers.ag_cars, 2-23-09

50' Standard Boxcar

General Description
Boxcars are used for loads which must be protected from the weather. Boxcars range in size from 50' to 60' and can be equipped with load cushioning underframes or rigid underframes.

Standard boxcars carry from 70 to 100 tons and are plate C in clearance/height. CSXT standard 50' boxcars come with single sliding or plug doors. Some are equipped with bulkhead load devices.

Commodity Shipped In 50' Standard Boxcar
Standard height boxcars carry rolled paper, pulp, newsprint and building materials. Boxcars also carry appliances, food products, bagged and palletized loads, grain products, etc.

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http://www.csxt.com/?fuseaction=customers.search_car&n=50%27%20Standard%20Boxcar, 3-10-09

50' Hi-Roof Boxcar

General Description
Similar to Standard boxcars but have an extended interior height (additional 2' of space). All of the CSX fleet of Hi-Roof 50' boxcars have a load carrying capacity of 100 tons. All of the CSX controlled cars are equipped with cushion underframes and plug doors.

Commodity Shipped In 50' Hi-Roof Boxcars
Hi-Roof 50' boxcars are used primarily in rolled paper service. The extra height is needed to handle the larger paper rolls which are becoming more common. Cars can be used for all the commodities handled in a Standard 50' boxcar.

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http://www.csxt.com/?fuseaction=customers.search_car&n=50%27%20Hi-Roof%20Boxcar, 3-10-09

50' Insulated Boxcar

General Description
Insulated boxcars are generally used to carry products requiring protection from temperature extremes. At this time, CSX owned insulated boxcars contain interior bulkhead equipment to secure the loads. The bulkheads are slowly being phased out as new load securement products become available. All insulated boxcars are equipped with plug doors.

Commodity Shipped In Insulated Boxcars
Insulated boxcars are used for beer, wine, canned goods, and other food products. The car is also used to carry clay, cat litter, dog food, salt, and other bagged, palletized commodities.

Size
Majority of CSX owned insulated boxcars are 50' cars. CSX also owns a small fleet of 60' insulated cars that are used in beer and food service. Inside interior length is 51'-1" with a inside width of 9'-3". The cars have a

Jumbo Covered Hopper

General Description
Covered Hopper cars have a permanent roof with either round hatches or a long, trough hatch for loading through the top of the car. The interiors are shaped into hoppers (compartments), with discharge outlets at the bottom of each compartment. The cars are designed to handle dry bulk commodities which require protection against the elements.

Size
The two primary sizes of Covered Hoppers are "Small Cube" (2,700-3,500 cubic feet), and "Jumbo" (4,600-4,750 cubic feet).

Commodities Shipped In Covered Hoppers
Lighter bulk commodities such as grain, fertilizer, flour, salt, sugar, clay, and lime are shipped in jumbo covered hoppers.

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http://www.csx.com/?fuseaction=customers.search_car&n=Jumbo%20Covered%20Hopper, 3-10-09

Aggregate Open Top Hopper Cars

General Description

Open-top hoppers are used to handle heavy dry bulk commodities that are impervious to weather conditions and that will flow or pour through the hopper openings into underground storage pits. Open-top hoppers have fixed sides and ends. The bottom consists of divided hoppers with gates, that allow for dumping both between and outside the rails. Some open-tops are equipped with rotary couplers, which allow the car to be turned over and unloaded from the top.

Commodities Shipped In Open-Top Hoppers

Coal, coke, stone, sand, ores, gravel

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http://www.csx.com/?fuseaction=customers.search_car&n=Open-Top%20Hopper%20Cars

52' Plain Gondolas

General Description
While primarily used to transport scrap metal, the 52' plain gondola is also used for transporting aggregates, hazardous waste and other bulk commodities.

Side Height	Capacity (ft^3)	Total
4'0"	1,995	500
4'6"	2,244	2,000
4'8"	2,335	300
5'0"	2,494	2,600
5'6"	2,743	2,800
8'0"	4,000	100
	Total	**8,300**

http://www.csx.com/?fuseaction=customers.search_car&n=52%27%20Plain%20Gondolas, 3-10-09

Covered Coil Gondolas

General Description

The 100-ton covered coil steel gondola has adjustable, expandable cross members (Callahan bars) to lock coils securely in position. Wood lined troughs add to cargo protection. Cross members (Callahan bars) 6 per car are 19 inches wide and 79 1/2" long. The 100-ton coil car can accommodate a variety of coil sizes in the same load, from 30" to 84". The covered coil gondola is used exclusively to handle coiled sheet steel. Growth has been driven by on-line productions facilities, distribution centers, and processing operations.

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http://www.csx.com, 3-10-09

73' Centerbeam Flatcar

General Description

Centerbeam flatcars are generally used to carry cut lumber and building products. The TTX Co. supplies most centerbeams required by CSX customers for loading. Large numbers of centerbeams on CSX are owned by the western and Canadian railroads. The Centerbeam flatcar contains a center spine that makes it ideal for carrying lumber and building products.

Commodities Shipped On 73' Centerbeam Flatcars

Centerbeam flatcars carry lumber, wallboard and other dimensional products. Cut southern yellow pine and wallboard are the largest commodities shipped by CSX customers on centerbeams.

Size

The 73' centerbeam flatcars are 73' interior length, most with a carrying capacity of 195,000 lbs. or greater. There are also 61' centerbeams available. All new centerbeam cars built have a capacity of 195,000 lbs. or greater.

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http://www.csx.com/?fuseaction=customers.search_car&n=73%27%20Centerbeam%20Flatcar, 3-10-09

Bottom Dump Woodchip Hopper

General Description

Bottom Dump Wood Chip Hoppers are specifically designed for the transport of soft and hard wood chips. The bottom dump hopper can be unloaded through the bottom hatches or a rotary car dumper.

Commodity Shipped In Bottom Dump Wood Chip Hopper

Car specifically designed for wood chip service. The wood chip hopper is unable to carry any other type of commodity.

Size

CSX fleet consists of 5,800 cu. ft. or 7,000 cu. ft. capacity cars.

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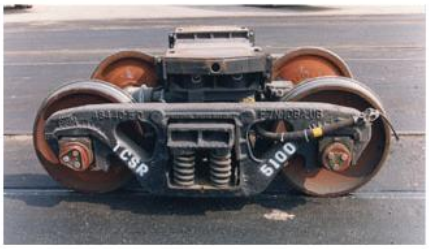
http://www.csx.com/?fuseaction=customers.search_car&n=Bottom%20Dump%20Woodchip%20Hopper, 3-10-09

RoadRailer



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http://www.triplecrownsvc.com/Bimodal.html, 3-10-09

Trailer-on-Flatcar (TOFC)

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http://www.greenlightintermodal.info/images/tofc_cofc_cars_23_santa_fe.jpg, 3-10-09

Double-stack containers in well cars

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http://www.freefoto.com/images/25/62/25_62_50---Double-Stack-Container-Train_web.jpg, 3-10-05

Auto-Rack

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http://www.freefoto.com/images/25/62/25_62_50---Double-Stack-Container-Train_web.jpg, 3-10-05

APPENDIX 7.0: Traffic Volume Tables

Table 1, Long Island Expressway Volumes, 2004*	
Location	**Daily Volume**
Nassau County Line- Route 110	180,000
Route 110-Bagatelle Road	181,400
Deer Park – Commack Road	157,600
Commack Road – Sagtikos State Pkwy.	122,800
Horseblock Road-Sills Road	76,900
Sills Road – Yaphank Avenue	64,000
Yaphank Avenue-William Floyd Pkwy.	71,300
East of William Floyd Pkwy.	61,900

***Source:** A Review of Selected Growth and Development Areas, Suffolk County, New York, Suffolk County Department of Planning, August, 2006

Table 2, Daily Traffic Volumes on North -South Roads of Long Island Expressway*

	Volume			
Location	**North of LIE**	**Across LIE**	**South of LIE**	**Year**
Route 110	44,000	**	53,600	2002
Pinelawn Road (CR3)	19,900	25,300	31,700	2004
Commack Rd. (CR4)	26,300	29,500	29,000	2004,06
Sagtikos State Pkwy.	78,400	**	83,300	2003
Crooked Hill Road	8,300	12,900	15,600	2005
Sills Road (CR101)	14,400	21,000	17,200	2004
Yaphank Rd. (CR21)	5,900	9,400	10,200	2004 (05)
Horseblock Rd. (CR116)	**	**	18,000	2004
Nicolls Rd. (CR97)	51,600			
William Floyd Pkwy (CR46)	29,500	34,000	**	2004

*Source: **Not available

Table 3- More Traffic Numbers, 2006	
Location	**Daily Volume**
LIE	
At Route 110	194,300
At Pinelawn	180,600
At Nicolls	155,600
SAGTIKOS STATE PKWY	
South of LIE	91,100
North of LIE	74,200
WILLIAM FLOYD PARKWAY	
North of LIE	61,900

APPENDIX 8.0: Glossary

TOFC (Trailer-on-Flatcar): Transport of containers mounted on highway chassis on railway flatcars.

COFC (Container on Flatcar): Transport of containers resting directly on railway flatcars without a chassis underneath. "COFC," as opposed to "double-stack," implies a single layer of containers on a spinecar (an articulated five-platform railcar used where clearance restrictions prohibit the use of the well/stack cars used for two layers of containers).

High-cube box car: Any box car over Plate C (15'6" in height).

"Unit train: An entire, uninterrupted locomotive and car movement between an origin and destination; rail movement of large tonnages of single bulk products or containers/trailers between two points." (Gerhardt Muller, *Intermodal Freight Transportation*, Washington, DC: Eno Transportation Foundation, 4th Edition, 1999, p. 478.)

Appendix 9.0
Table 5-1
Racial Characteristics of Residents Near Potential Sites

	White Non-Hispanic		Hispanic		Black		Asian		Other		Total	
Site	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hooker Chemical	20300	84.20%	2027	8.41%	40	0.17%	1491	6.18%	251	1.04%	24109	100%
Hicksville Asphalt	10601	64.87%	2743	16.79%	1260	7.71%	1448	8.86%	289	1.77%	16341	100%
Prima Asphalt/ PAVCO	18630	88.63%	1304	6.20%	268	1.27%	582	2.77%	236	1.12%	21020	100%
Grumman Calverton	6484	86.41%	423	5.64%	410	5.46%	108	1.44%	79	1.05%	7504	100%
Grucci	3093	66.59%	782	16.84%	574	12.36%	142	3.06%	54	1.16%	4645	100%
Medford Multiplex	18144	82.53%	2373	10.79%	812	3.69%	301	1.37%	355	1.61%	21985	100%
MacArthur Airport	17591	88.92%	1366	6.94%	185	0.94%	425	2.16%	104	0.53%	19671	100%
Pilgrim State Hospital	12782	62.64%	4898	24%	1463	7.17%	850	4.17%	414	2.03%	20407	100%
Bellport Avenue	15818	76.56%	2630	12.73%	1448	7.01%	385	1.86%	379	1.83%	20660	100%
Brookhaven Nat'l Laboratory	11408	88.19%	741	5.73%	427	3.30%	126	0.97%	234	1.81%	12936	100%
Suffolk County	4311	68.49%	892	14.17%	826	13.12%	161	2.56%	104	1.65%	6294	100%
USRAIL Expanded	4311	68.49%	892	14.17%	826	13.12%	161	2.56%	104	1.65%	6294	100%
AVR	20729	85.24%	2072	8.52%	774	3.18%	248	1.02%	496	2.04%	24319	100%

Source: 2000 US Census for residents of full or partial census tracts within a half-mile of the boundaries of each site.
Note: Sites listed in size order, bulk facilities first, followed by bulk/container facilities

Table 5-2
Number of Households and Number of Persons Living in Poverty Near Potential Sites for Long Island Intermodal Study

	Households		Persons Living in Poverty	
Site	No.	%	No.	%
Hooker Chemical	8244	100%	1061	4.40%
Hicksville Asphalt	5216	100%	815	4.99%
Prima Asphalt/ PAVCO	6790	100%	768	3.65%
Grumman Calverton	3315	100%	487	6.49%
Grucci	1077	100%	127	2.73%
Medford Multiplex	6791	100%	729	3.32%
MacArthur Airport	6039	100%	1076	5.47%
Pilgrim State Hospital	5663	100%	1460	7.15%
Bellport Avenue	5801	100%	585	2.83%
Brookhaven Nat'l Laboratory	4585	100%	514	3.97%
Suffolk County	1629	100%	153	2.43%
USRAIL Expanded	1629	100%	153	2.43%
AVR	7814	100%	1227	5.05%

Source: 2000 US Census for residents of full or partial census tracts within a half-mile of the boundaries of each site.